

2015

**HIKVISION**

# PRODUCT CATALOG





# About Us

Hikvision is the world's largest supplier of video surveillance products and solutions. The company specializes in video surveillance technology, as well as designing and manufacturing a full line of innovative CCTV and video surveillance products. The product line ranges from cameras and NVRs/DVRs to video management software. Since its inception in 2001, Hikvision has quickly achieved a leading worldwide market position in the security industry.

Hikvision possesses the world's largest R&D team and state-of-art manufacturing facilities; both allow Hikvision's customers the benefit of world-class products that are designed with cutting-edge technology. As further commitment to its customers, Hikvision annually reinvests 8% of its revenue into R&D for continued product innovation and improvement.

Hikvision operates over 30 domestic branches in China and 17 overseas regional subsidiaries all over the world to achieve a truly global presence. Hikvision is now publicly listed on the Shenzhen Stock Exchange. For more information, please visit Hikvision's website at [www.hikvision.com](http://www.hikvision.com).



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|                                    |     |
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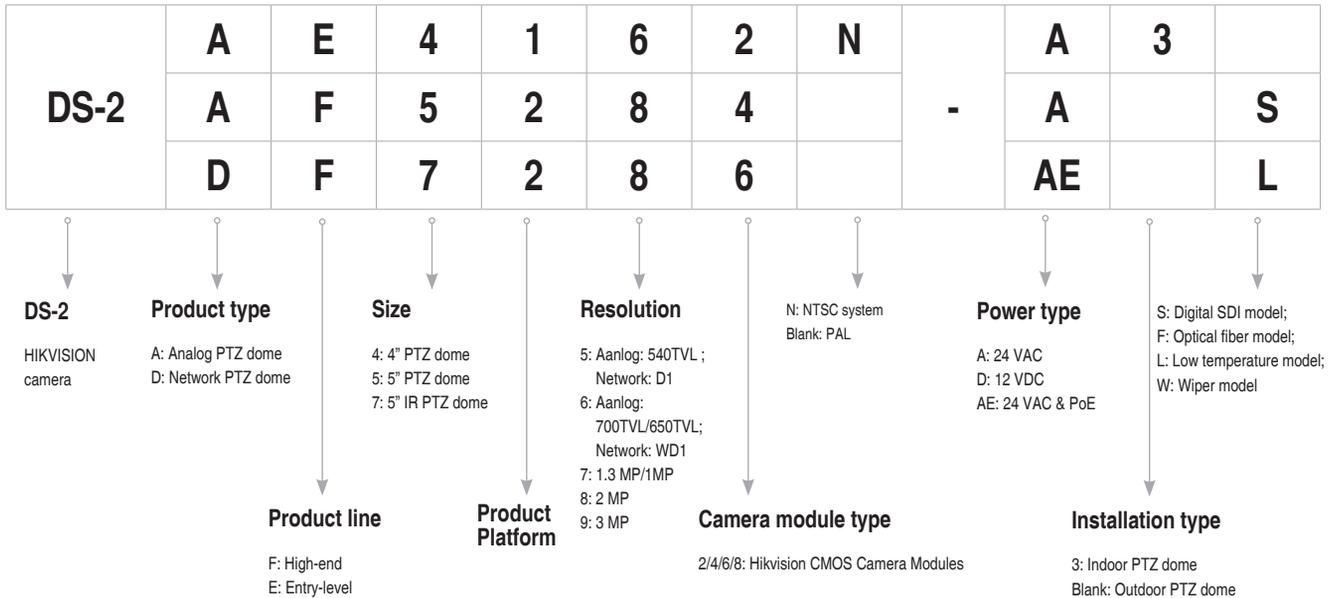
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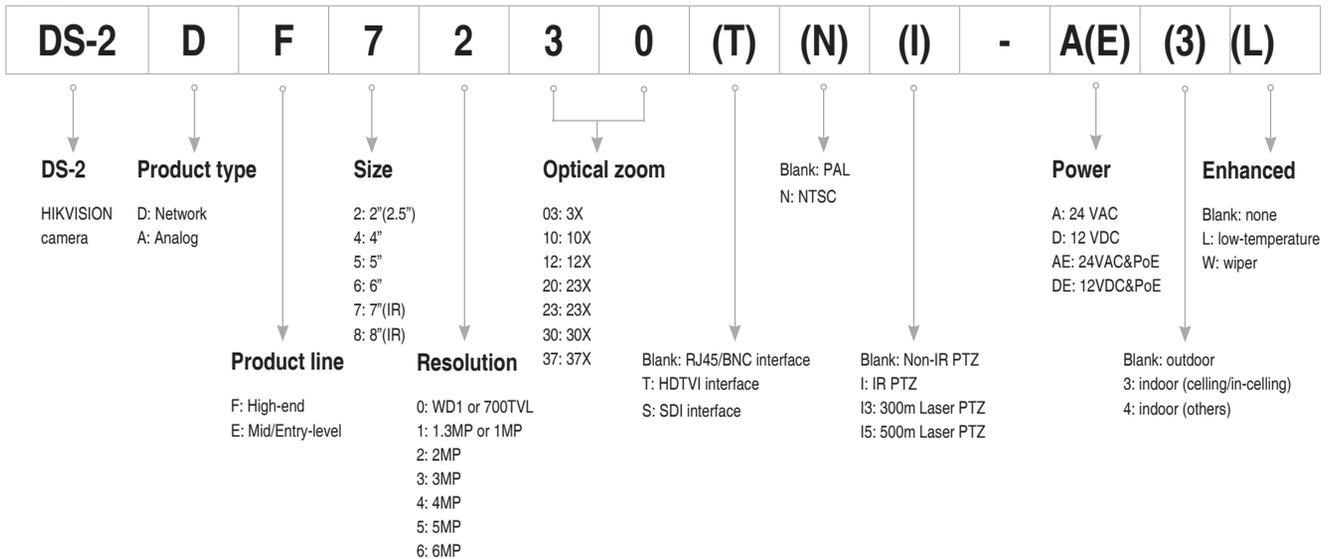
|            |     |
|------------|-----|
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# Model Name Coding Rule

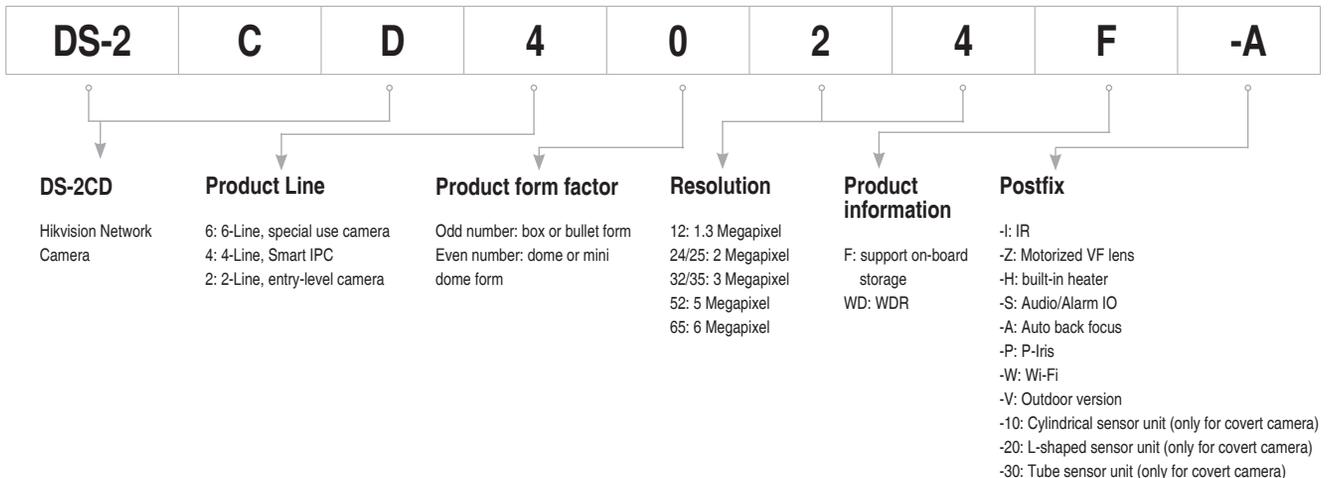
## PTZ Dome Camera



## NEW



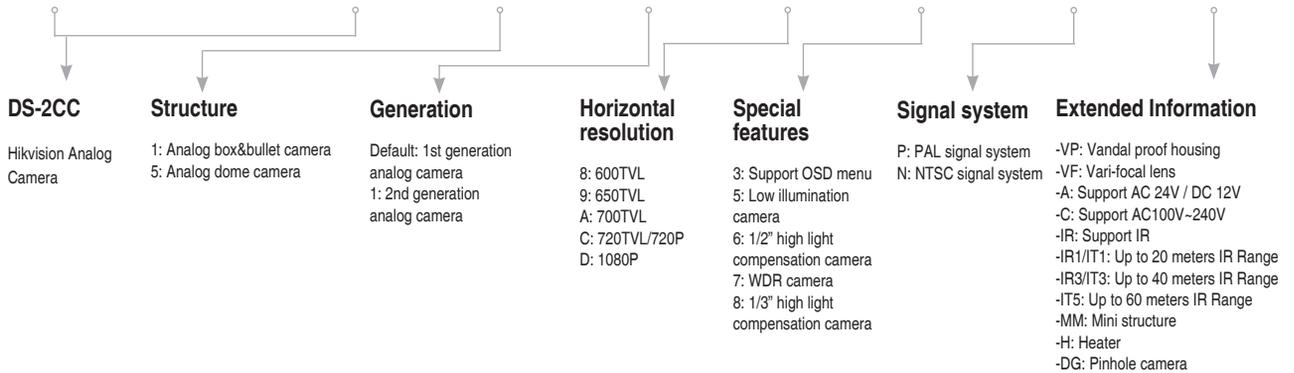
## Network Camera



# Model Name Coding Rule

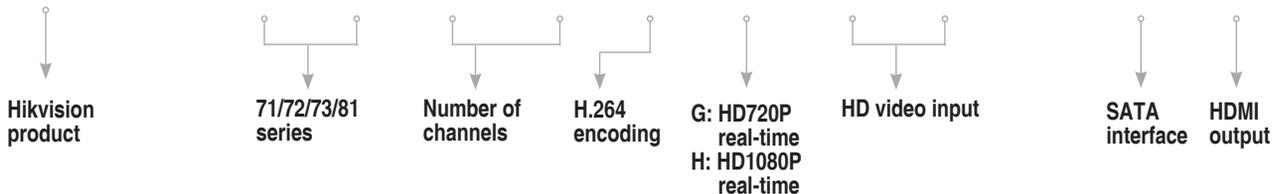
## Analog Camera

|      |   |   |   |   |   |   |   |      |
|------|---|---|---|---|---|---|---|------|
| DS-2 | C | C | 1 |   | 7 | 6 | P | -C   |
|      |   |   | 5 |   | A | 2 | N | -IT3 |
|      |   |   | 1 | 1 | 8 | 5 | P | -A   |
|      |   |   | 1 | 1 | 9 | 7 | P | -VP  |



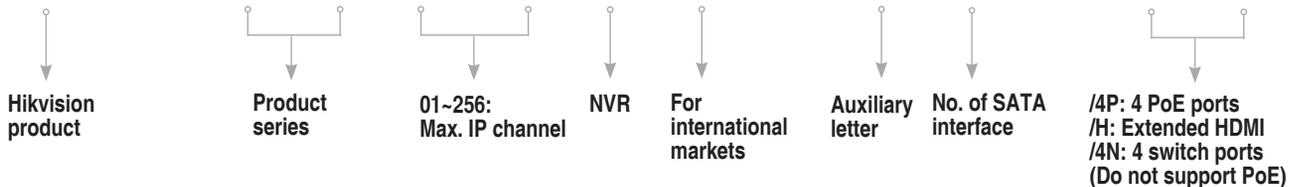
## DVR

|    |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | - | 7 | 2 | 1 | 6 | H | G | H | I | - | S | H |
|----|---|---|---|---|---|---|---|---|---|---|---|---|



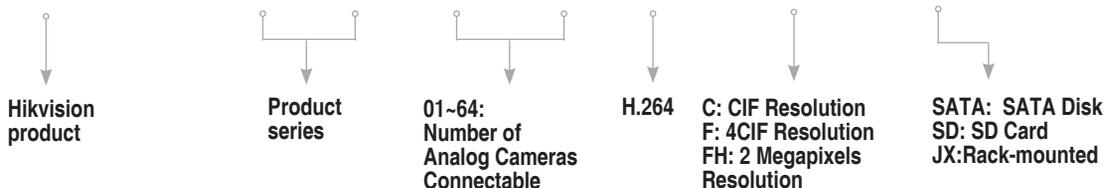
## NVR

|    |   |   |   |   |   |   |   |   |   |   |   |   |   |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|
| DS | - | 7 | 6 | 0 | 4 | N | I | - | E | 1 | / | 4 | P |
|----|---|---|---|---|---|---|---|---|---|---|---|---|---|



## Video Encoder

|    |   |   |   |   |   |   |   |      |
|----|---|---|---|---|---|---|---|------|
| DS | - | 6 | 7 | 1 | 6 | H | F | SATA |
|----|---|---|---|---|---|---|---|------|



A close-up, low-angle shot of a white PTZ dome camera. The camera is positioned on the right side of the frame, with its lens assembly prominently displayed. The lens is multi-layered, showing a greenish tint. The camera's body is sleek and modern. The background is a soft, out-of-focus white and light gray, creating a clean and minimalist aesthetic. The HIKVISION logo is visible on the upper part of the camera's housing.

**HIKVISION**

PTZ DOME CAMERA

# DS-2DF8223I-AEL(W)

## 2MP 23X Network IR PTZ Dome Camera



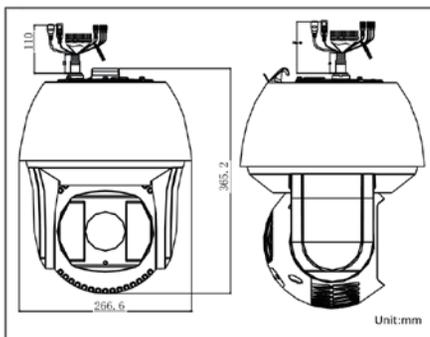
**DARKFIGHTER**



### Key features

- 1/1.9" HD CMOS sensor
- 1920×1080 Full HD, 23X Optical Zoom
- Ultra-low illumination
- 120dB True WDR
- Smart Tracking
- Smart Detection
- EIS (Electronic Image Stabilization)
- 200m IR distance
- High-PoE / 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

DS-2DF8223I-AEL, High-PoE / 24VAC, outdoor  
 DS-2DF8223I-AELW, Wiper, High-PoE / 24VAC, outdoor

| DS-2DF8223I-AEL           |  |
|---------------------------|--|
| <b>Camera Module</b>      |  |
| Image Sensor              | 1/1.9" Progressive Scan CMOS   |
| Min. Illumination         | F1.5, 1/1 sec, 50 IRE, AGC On: Color: 0.002 lux, B/W : 0.0002 lux, 0 lux with IR<br>F1.5, 1/30 sec, 50 IRE, AGC On: Color: 0.02 lux, B/W : 0.002 lux, 0 lux with IR  |
| Max. Image Resolution     | 1920×1080  |
| Focal Length              | 5.9-135.7mm, 23x   |
| Digital Zoom              | 16X  |
| Zoom Speed                | Approx. 4.4s(Optical Wide-Tele)  |
| Angle of View             | 59.8-3.0 degree (Wide-Tele)  |
| Min. Working Distance     | 10-1500mm(Wide-Tele)   |
| Aperture Range            | F1.5~F3.4  |
| Focus Mode                | Auto / Semiautomatic / Manual  |
| WDR                       | 120dB  |
| S / N Ratio               | ≥ 55dB   |
| Shutter Time              | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                       | Auto / Manual  |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night               | IR Cut Filter  |
| Privacy Mask              | 24 privacy masks programmable; optional multiple colors and mosaics  |
| Enhancement               | 3D DNR, EIS, Defog, HLC/BLC, SVC   |
| <b>Pan and Tilt</b>       |  |
| Range                     | Pan:360° endless; Tilt: -20°~90°(Auto Flip)  |
| Speed                     | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s   |
| Number of Preset          | 300  |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |
| Pattern                   | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action               | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task            | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| <b>Smart Features</b>     |  |
| Smart tracking            | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger  |
| Smart detection           | Face detection, intrusion detection, line crossing detection, audio exception detection  |
| ROI encoding              | Support 24 areas with adjustable levels  |
| <b>Infrared</b>           |  |
| IR Distance               | Up to 200m   |
| IR Intensity              | Automatically adjusted, depending on the zoom ratio  |
| <b>Alarm</b>              |  |
| Alarm I/O                 | 7/2  |
| Alarm Trigger             | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action              | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client  |
| <b>Input/Output</b>       |  |
| Monitor Output            | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |
| <b>Network</b>            |  |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream               | 50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)   |
| Sub Stream                | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream              | 50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)   |
| Image Compression         | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View    | Up to 20 users   |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |
| User/Host Level           | Up to 32 users, 3 Levels: Administrator, Operator and User   |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| <b>System Integration</b> |  |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser               | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language  |
| RS-485 Protocols          | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                     | Hi-PoE&24 VAC, Max.60W   |
| Working Temperature       | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                  | 90% or less  |
| Protection Level          | IP66, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection   |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions                | Φ266.6(mm)×365.2(mm)   |
| Weight (approx.)          | 8kg (approx.)  |
| Mount Option              | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ   |

# DS-2DF8236IV-AEL(W)

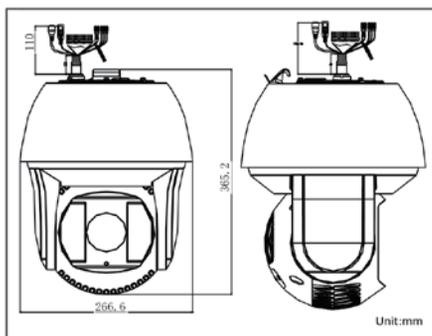
## 2MP 36X Network IR PTZ Dome Camera



### Key features

- 1/3" HD CMOS sensor
- 1920×1080P Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detection
- 200m IR distance
- High-PoE / 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

- DS-2DF8236IV-AEL, High-PoE / 24VAC, outdoor
- DS-2DF8236IV-AELW, Wiper, High-PoE / 24VAC, outdoor

| DS-2DF8236IV-AEL(W)       |  |
|---------------------------|--|
| <b>Camera Module</b>      |  |
| Image Sensor              | 1/3" Progressive Scan CMOS   |
| Min. Illumination         | F1.6, AGC On: Color : 0.05 lux , B/W : 0.01 lux, 0 lux with IR   |
| Max. Image Resolution     | 1920×1080  |
| Focal Length              | 4.5-162mm, 36x   |
| Digital Zoom              | 16X  |
| Zoom Speed                | Approx.3.3s(Optical Wide-Tele)   |
| Angle of View             | 60.6-3.68 degree (Wide-Tele)   |
| Min. Working Distance     | 10-1500mm(Wide-Tele)   |
| Aperture Range            | F1.6-F4.4  |
| Focus Mode                | Auto / Semiautomatic / Manual  |
| WDR                       | 140dB  |
| S / N Ratio               | ≥ 55dB   |
| Shutter Time              | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                       | Auto / Manual  |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night               | IR Cut Filter  |
| Privacy Mask              | 24 privacy masks programmable  |
| Enhancement               | 3D DNR, Defog, HLC/BLC, SVC  |
| <b>Pan and Tilt</b>       |  |
| Range                     | Pan:360° endless; Tilt: -20°~90°(Auto Flip)  |
| Speed                     | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s   |
| Number of Preset          | 300  |
| Patrol                    | 16 patrols, up to 32 presets per patrol  |
| Pattern                   | 10 patterns, with the recording time not less than 10 minutes per pattern  |
| Park Action               | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task            | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| <b>Smart Features</b>     |  |
| Smart tracking            | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger / Region entrance trigger / Region exiting trigger  |
| Smart detection           | Face detection, intrusion detection, line crossing detection ,audio exception  |
| ROI encoding              | Support 24 areas with adjustable levels  |
| <b>Infrared</b>           |  |
| IR Distance               | Up to 200m   |
| IR Intensity              | Automatically adjusted, depending on the zoom ratio  |
| <b>Alarm</b>              |  |
| Alarm I/O                 | 7/2  |
| Alarm Trigger             | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action              | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client  |
| <b>Input/Output</b>       |  |
| Monitor Output            | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |
| <b>Network</b>            |  |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream               | 50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)   |
| Sub Stream                | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream              | 50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)   |
| Image Compression         | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View    | Up to 20 users   |
| Mini SD Memory Card       | Manual REC / Alarm REC. Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB. Edge recording  |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| <b>System Integration</b> |  |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser               | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols          | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                     | Hi-PoE&24 VAC, Max.60W   |
| Working Temperature       | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                  | 90% or less  |
| Protection Level          | IP66, IK10, TVS 6,000V lightning protection, surge protection and voltage transient protection   |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1  |
| Dimensions                | Φ266.6(mm)×365.2(mm)   |
| Weight (approx.)          | 8kg  |
| Mount Option              | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ   |

# DS-2DF6223-AEL

## 2MP 23X Network PTZ Dome Camera



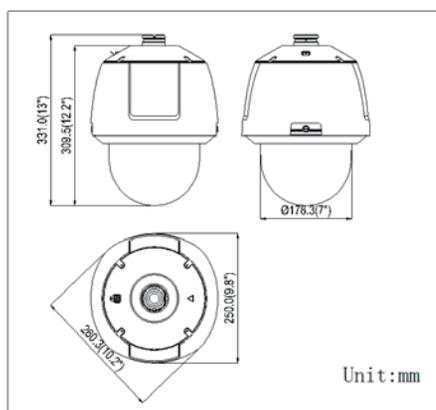
**DARKFIGHTER**



### Key features

- 1/1.9" HD CMOS sensor
- 1920×1080 Full HD, 23X Optical Zoom
- Ultra-low illumination
- 120dB True WDR
- Smart Tracking
- Smart Detection
- EIS (Electronic Image Stabilization)
- High-PoE / 24VAC power supply
- Vandal proof(IK10)

### Dimensions



### Accessories



### Available models

DS-2DF6223-AEL, High-PoE / 24VAC, outdoor

|                           | DS-2DF6223-AEL   |
|---------------------------|--|
| <b>Camera Module</b>      |  |
| Image Sensor              | 1/1.9" Progressive Scan CMOS   |
| Min. Illumination         | F1.5, 1/1 sec, 50 IRE, AGC On: Color: 0.002 lux, B/W: 0.0002 lux<br>F1.5, 1/30 sec, 50 IRE, AGC On: Color: 0.02 lux, B/W : 0.002 lux   |
| Max. Image Resolution     | 1920×1080  |
| Focal Length              | 5.9-135.7mm, 23x   |
| Digital Zoom              | 16X  |
| Zoom Speed                | Approx.4.4s(Optical Wide-Tele)   |
| Angle of View             | 59.8-3.0 degree (Wide-Tele)  |
| Min. Working Distance     | 10-1500mm(Wide-Tele)   |
| Aperture Range            | F1.5~F3.4  |
| Focus Mode                | Auto / Semiautomatic / Manual  |
| WDR                       | 120dB  |
| S / N Ratio               | ≥ 55dB   |
| Shutter Time              | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                       | Auto / Manual  |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night               | IR Cut Filter  |
| Privacy Mask              | 24 privacy masks programmable; optional multiple colors and mosaics  |
| Enhancement               | 3D DNR, EIS, Defog, HLC/BLC, SVC   |
| <b>Pan and Tilt</b>       |  |
| Range                     | Pan:360° endless; Tilt: -20°~90°(Auto Flip)  |
| Speed                     | Pan Manual Speed: 0.1°~300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1°~240°/s, Tilt Preset Speed: 400°/s   |
| Number of Preset          | 300  |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |
| Pattern                   | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action               | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task            | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| <b>Smart Features</b>     |  |
| Smart tracking            | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger  |
| Smart detection           | Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance, region exiting   |
| ROI encoding              | Support 24 areas with adjustable levels  |
| <b>Alarm</b>              |  |
| Alarm I/O                 | 7/2  |
| Alarm Trigger             | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action              | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client  |
| <b>Input/Output</b>       |  |
| Monitor Output            | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |
| <b>Network</b>            |  |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream               | 50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)   |
| Sub Stream                | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream              | 50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)   |
| Image Compression         | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View    | Up to 20 users   |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| <b>System Integration</b> |  |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser               | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols          | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                     | Hi-PoE&24 VAC, Max.60W   |
| Working Temperature       | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                  | 90% or less  |
| Protection Level          | IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection  |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions                | Φ178.3(mm)×331.0(mm) (Φ7.02"×13.03")   |
| Weight (approx.)          | 8kg (approx.)  |
| Mount Option              | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ   |

# DS-2DF6236V-AEL

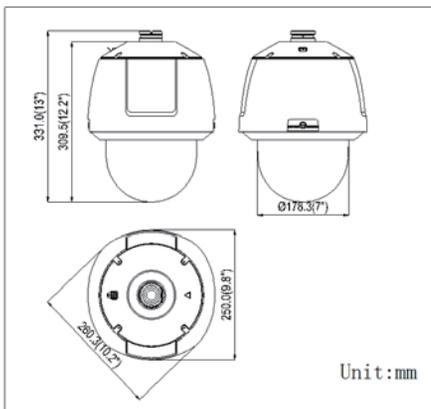
## 2MP 36X Network PTZ Dome Camera



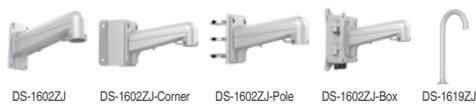
### Key features

- 1/3" HD CMOS sensor
- 1920×1080 Full HD, 36X Optical Zoom
- 140dB WDR
- Smart Tracking
- Smart Detection
- High-PoE / 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

DS-2DF6236V-AEL, High-PoE / 24VAC, outdoor

| DS-2DF6236V-AEL         |   |
|-------------------------|---|
| Camera Module           |   |
| Image Sensor            | 1/3" Progressive Scan CMOS  |
| Min. Illumination       | F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux   |
| Max. Image Resolution   | 1920×1080   |
| Focal Length            | 4.5-162mm, 36x  |
| Digital Zoom            | 16X   |
| Zoom Speed              | Approx.3.3s(Optical Wide-Tele)  |
| Angle of View           | 60.6-3.68 degree (Wide-Tele)  |
| Min. Working Distance   | 10-1500mm(Wide-Tele)  |
| Aperture Range          | F1.6-F4.4   |
| Focus Mode              | Auto / Semiautomatic / Manual   |
| WDR                     | 140dB   |
| S / N Ratio             | ≥ 55dB  |
| Shutter Time            | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s  |
| AGC                     | Auto / Manual   |
| White Balance           | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night             | IR Cut Filter   |
| Privacy Mask            | 24 privacy masks programmable   |
| Enhancement             | 3D DNR, Defog, HLC/BLC, SVC   |
| Pan and Tilt            |   |
| Range                   | Pan:360° endless; Tilt: -20°-90°(Auto Flip)   |
| Speed                   | Pan Manual Speed: 0.1°-300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s  |
| Number of Preset        | 300   |
| Patrol                  | 16 patrols, up to 32 presets per patrol   |
| Pattern                 | 10 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action             | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| Scheduled Task          | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output   |
| Smart Features          |   |
| Smart tracking          | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger   |
| Smart detection         | Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance, region exiting  |
| ROI encoding            | Support 24 areas with adjustable levels   |
| Alarm                   |   |
| Alarm I/O               | 7/2   |
| Alarm Trigger           | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action            | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client   |
| Input/Output            |   |
| Monitor Output          | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC   |
| Audio Input             | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%  |
| Audio Output            | 1 Audio output interface, line level, impedance: 600Ω   |
| Network                 |   |
| Ethernet                | 10Base-T / 100Base-TX, RJ45 connector   |
| Main Stream             | 50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)  |
| Sub Stream              | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)  |
| Third Stream            | 50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)  |
| Image Compression       | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile   |
| Audio Compression       | G.711ulaw/G.711alaw/G.726/MP2L2/G.722   |
| Protocols               | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |
| Simultaneous Live View  | Up to 20 users  |
| Mini SD Memory Card     | Manual REC / Alarm REC. Built-in Micro SD/SDHC/SDXC card Slot, up to 64GB. Edge recording   |
| User/Host Level         | Up to 32 users,3 Levels: Administrator, Operator and User   |
| Security Measures       | User authentication (ID and PW); Host authentication (MAC address); IP address filtering  |
| System Integration      |   |
| Application programming | Open-ended API, support Onvif, PSIA, CGI and Genetec  |
| Web Browser             | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language  |
| RS-485 Protocols        | HIKVISION, Pelco-P, Pelco-D, self-adaptive  |
| Power                   | 24 VAC & Hi-PoE, Max. 60W(24 VAC), Max. 50W(Hi-PoE)   |
| Working Temperature     | -40°C ~ 65°C (-40°F ~ 149°F)  |
| Humidity                | 90% or less   |
| Protection Level        | IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection  |
| Certification           | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1   |
| Dimensions              | Φ178.3(mm)×331.0(mm) (Φ7.02"×13.03")  |
| Weight (approx.)        | 8kg (approx.)   |
| Mount Option            | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ  |

# DS-2DF8336IV-AEL(W)

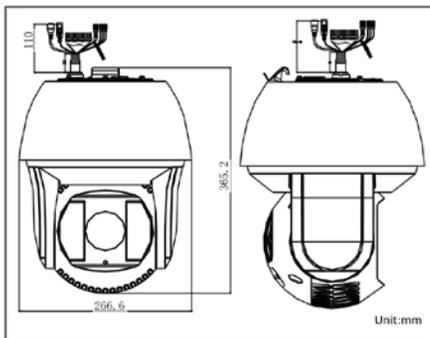
## 3MP 36X Network IR PTZ Dome Camera



### Key features

- 1/3" HD CMOS sensor
- 2048×1536, 36X Optical Zoom
- High frame rate (up to 60fps)
- 120db True WDR
- Smart Tracking
- Smart Detection
- 200m IR distance
- High-PoE / 24VAC power supply
- Vandal proof(IK10)

### Dimensions



### Accessories



### Available models

- DS-2DF8336IV-AEL, High-PoE / 24VAC, outdoor
- DS-2DF8336IV-AELW, Wiper, High-PoE / 24VAC, outdoor

| DS-2DF8336IV-AEL(W)     |  |
|-------------------------|--|
| Camera Module           |  |
| Image Sensor            | 1/3" Progressive Scan CMOS   |
| Min. Illumination       | F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux  |
| Max. Image Resolution   | 2048×1536  |
| Focal Length            | 4.5-162mm, 36x   |
| Digital Zoom            | 16X  |
| Zoom Speed              | Approx.3.3s(Optical Wide-Tele)   |
| Angle of View           | 60.6-3.68 degree (Wide-Tele)   |
| Min. Working Distance   | 10-1500mm(Wide-Tele)   |
| Aperture Range          | F1.6-F4.4  |
| Focus Mode              | Auto / Semiautomatic / Manual  |
| WDR                     | 120dB  |
| S / N Ratio             | ≥ 55dB   |
| Shutter Time            | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                     | Auto / Manual  |
| White Balance           | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night             | IR Cut Filter  |
| Privacy Mask            | 24 privacy masks programmable  |
| Enhancement             | 3D DNR, Defog, HLC/BLC, SVC  |
| Pan and Tilt            |  |
| Range                   | Pan:360° endless; Tilt: -20°~90°(Auto Flip)  |
| Speed                   | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s   |
| Number of Preset        | 300  |
| Patrol                  | 16 patrols, up to 32 presets per patrol  |
| Pattern                 | 10 patterns, with the recording time not less than 10 minutes per pattern  |
| Park Action             | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task          | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| Smart Features          |  |
| Smart tracking          | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger / Region entrance trigger / Region exiting trigger  |
| Smart detection         | Face detection, intrusion detection, line crossing detection ,audio exception  |
| ROI encoding            | Support 24 areas with adjustable levels  |
| Infrared                |  |
| IR Distance             | Up to 200m   |
| IR Intensity            | Automatically adjusted, depending on the zoom ratio  |
| Alarm                   |  |
| Alarm I/O               | 7/2  |
| Alarm Trigger           | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action            | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client  |
| Input/Output            |  |
| Monitor Output          | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input             | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output            | 1 Audio output interface, line level, impedance: 600Ω  |
| Network                 |  |
| Ethernet                | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream             | 50Hz: 50fps(2048×1536, 1920×1080), 25fps(1280×720);<br>60Hz: 60fps(2048×1536, 1920×1080), 30fps(1280×720)  |
| Sub Stream              | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream            | 50Hz:25fps(2048×1536), 25fps(1920×1080), 25fps (1280×720), 25fps(704×576), 25fps (352×288), 25fps (176×144)<br>60Hz: 30fps(2048×1536), 30fps(1920×1080), 30fps (1280×720), 30fps(704×480), 30fps (352×240), 30fps (176×120)  |
| Image Compression       | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression       | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols               | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View  | Up to 20 users   |
| Mini SD Memory Card     | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |
| User/Host Level         | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures       | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| System Integration      |  |
| Application programming | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser             | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols        | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                   | Hi-PoE&24 VAC, Max.60W   |
| Working Temperature     | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                | 90% or less  |
| Protection Level        | IP66 standard, TVS 6,000V lightning protection, surge protection and voltage transient protection  |
| Certification           | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions              | Φ266.6(mm)×365.2(mm)   |
| Weight (approx.)        | 8kg  |
| Mount Option            | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ   |

# DS-2DF6336V-AEL

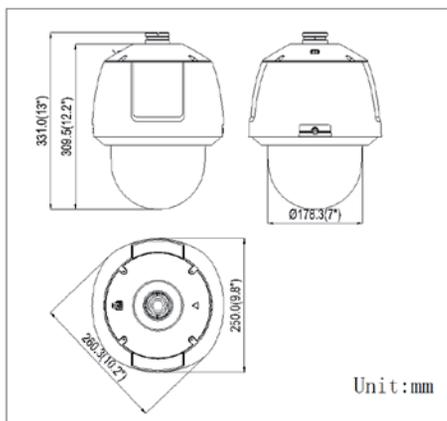
## 3MP 36X Network PTZ Dome Camera



### Key features

- 1/3" HD CMOS sensor
- 2048×1536, 36X Optical Zoom
- High frame rate (up to 60fps)
- 120dB True WDR
- Smart Tracking
- Smart Detection
- High-PoE / 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

DS-2DF6336V-AEL, High-PoE / 24VAC, outdoor

| DS-2DF6336V-AEL         |  |
|-------------------------|--|
| Camera Module           |  |
| Image Sensor            | 1/3" Progressive Scan CMOS   |
| Min. Illumination       | F1.6, AGC On: Color: 0.05 lux, B/W : 0.01 lux  |
| Max. Image Resolution   | 2048×1536  |
| Focal Length            | 4.5-162mm, 36x   |
| Digital Zoom            | 16X  |
| Zoom Speed              | Approx.3.3s(Optical Wide-Tele)   |
| Angle of View           | 60.6-3.68 degree (Wide-Tele)   |
| Min. Working Distance   | 10-1500mm(Wide-Tele)   |
| Aperture Range          | F1.6-F4.4  |
| Focus Mode              | Auto / Semiautomatic / Manual  |
| WDR                     | 120dB  |
| S / N Ratio             | ≥ 55dB   |
| Shutter Time            | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                     | Auto / Manual  |
| White Balance           | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night             | IR Cut Filter  |
| Privacy Mask            | 24 privacy masks programmable  |
| Enhancement             | 3D DNR, Defog, HLC/BLC, SVC  |
| Pan and Tilt            |  |
| Range                   | Pan:360° endless; Tilt: -20°~90°(Auto Flip)  |
| Speed                   | Pan Manual Speed: 0.1°~300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1°~240°/s, Tilt Preset Speed: 400°/s   |
| Number of Preset        | 300  |
| Patrol                  | 16 patrols, up to 32 presets per patrol  |
| Pattern                 | 10 patterns, with the recording time not less than 10 minutes per pattern  |
| Park Action             | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task          | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| Smart Features          |  |
| Smart tracking          | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger  |
| Smart detection         | Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance, region exiting   |
| ROI encoding            | Support 24 areas with adjustable levels  |
| Alarm                   |  |
| Alarm I/O               | 7/2  |
| Alarm Trigger           | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action            | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client  |
| Input/Output            |  |
| Monitor Output          | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input             | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output            | 1 Audio output interface, line level, impedance: 600Ω  |
| Network                 |  |
| Ethernet                | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream             | 50Hz: 50fps(2048×1536, 1920×1080), 25fps(1280×720);<br>60Hz: 60fps(2048×1536, 1920×1080), 30fps(1280×720)  |
| Sub Stream              | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream            | 50Hz: 25fps(2048×1536, 1920×1080, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(2048×1536, 1920×1080, 1280×720, 704×480, 352×240, 176×120)   |
| Image Compression       | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression       | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols               | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View  | Up to 20 users   |
| Mini SD Memory Card     | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |
| User/Host Level         | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures       | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| System Integration      |  |
| Application programming | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser             | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols        | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                   | Hi-PoE&24 VAC, Max.60W   |
| Working Temperature     | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                | 90% or less  |
| Protection Level        | IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection   |
| Certification           | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions              | Φ178.3(mm)×331.0(mm) (Φ7.02"×13.03")   |
| Weight (approx.)        | 8kg (approx.)  |
| Mount Option            | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner;<br>Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box; DS-1619ZJ  |

# DS-2DF7286/84-A(EL)(W)

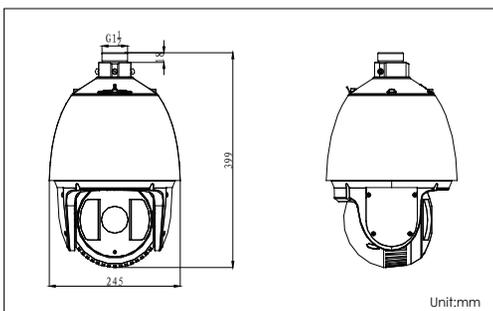
## 2MP Network IR PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- Up to 150m IR distance
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply

### Dimensions



### Accessories



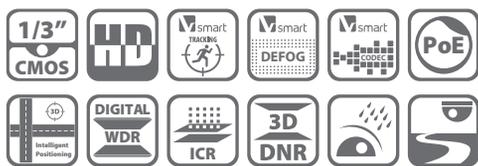
### Available models

- DS-2DF7286-A: 24VAC, outdoor  
 DS-2DF7286-AEL: High-PoE & 24VAC, outdoor
- DS-2DF7284-A: 24VAC, outdoor  
 DS-2DF7284-AEL: High-PoE & 24VAC, outdoor

|                              | DS-2DF7286-A/AEL  | DS-2DF7284-A/AEL                 |
|------------------------------|---|----------------------------------|
| <b>Camera</b>                |   |                                  |
| Image sensor                 | 1/2.8" Progressive Scan CMOS  |                                  |
| Effective pixel              | 2230K pixels  |                                  |
| Min. Illumination            | Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On) B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On) B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On) |                                  |
| White balance                | Auto / Manual /ATW/Indoor / Outdoor / Daylight lamp / Sodium lamp   |                                  |
| AGC                          | Auto / Manual   |                                  |
| S / N ratio                  | ≥ 55dB  |                                  |
| Digital noise reduction      | 3D DNR  |                                  |
| Backlight compensation       | HLC / BLC   | Support                          |
| Wide dynamic range           | Digital WDR   |                                  |
| Shutter speed                | 50Hz: 1 ~ 1/30,000s, 60Hz: 1 ~ 1/30,000s  |                                  |
| Day & Night                  | IR Cut Filter   |                                  |
| Digital zoom                 | 16X   |                                  |
| Privacy masking              | 24 privacy masks programmable, optional multiple colors and mosaics   |                                  |
| Focus mode                   | Auto / Semiautomatic / Manual   |                                  |
| EIS                          | Support   |                                  |
| Defog                        | Support   |                                  |
| <b>Lens</b>                  |   |                                  |
| Focal length                 | 4.3 ~ 129mm, 30X optical zoom   | 4.7 ~ 94mm, 20X optical zoom     |
| Zoom speed                   | Approx. 3s (Optical Wide-Tele)  | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view                | 65.5 ~ 2.11 degree (Wide-Tele)  | 58.3 ~ 3.2 degree (Wide-Tele)    |
| Min. Working distance        | 10 ~ 1500mm(Wide-Tele)  |                                  |
| Aperture range               | F1.6 ~ F5.0   | F1.6 ~ F3.5                      |
| <b>Pan and Tilt</b>          |   |                                  |
| Smart tracking               | Support   |                                  |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -2° ~ 90° (auto flip)  |                                  |
| Pan / Tilt speed             | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s  |                                  |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples  |                                  |
| Number of preset             | 300   |                                  |
| Patrol                       | 8 patrols, up to 32 presets per patrol  |                                  |
| Pattern                      | 4 patterns, with the recording time not less than 10 minutes per pattern  |                                  |
| Power-off memory             | Support   |                                  |
| Park action                  | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |                                  |
| PTZ position display         | Support   |                                  |
| Preset freezing              | Support   |                                  |
| Scheduled task               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output   |                                  |
| <b>Infrared</b>              |   |                                  |
| Smart IR                     | Support   |                                  |
| IR distance                  | Up to 150m  |                                  |
| IR intensity                 | Automatically adjusted, depending on the zoom ratio   |                                  |
| <b>Alarm</b>                 |   |                                  |
| Alarm input                  | 7 inputs  |                                  |
| Alarm output                 | 2 relay outputs, alarm response actions configurable  |                                  |
| Alarm trigger                | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |                                  |
| Alarm action                 | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client   |                                  |
| <b>Local Video&amp;Audio</b> |   |                                  |
| Video output                 | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC   |                                  |
| Audio input                  | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%  |                                  |
| Audio output                 | 1 Audio output interface. Line level, impedance: 600Ω   |                                  |
| <b>Network</b>               |   |                                  |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector   |                                  |
| Max. image resolution        | 1920×1080   |                                  |
| Frame rate                   | 50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720)<br>60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720)  |                                  |
| Image compression            | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile   |                                  |
| SVC                          | Support   |                                  |
| ROI encoding                 | Support   |                                  |
| Audio compression            | G.711ulaw/G.711alaw/G.726/MP2L2/G.722   |                                  |
| Protocols                    | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |                                  |
| Simultaneous live view       | Up to 20  |                                  |
| Streams                      | Triple streams  |                                  |
| SD memory card               | Built-in SD/SDHC Slot, up to 64GB, support manual / alarm / edge recording  |                                  |
| User/Host level              | Up to 32 users, 3 Levels: Administrator, Operator and User  |                                  |
| Security measures            | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |                                  |
| <b>Integration</b>           |   |                                  |
| Application programming      | Open-ended API, support Onvif, PSIA, CGI and Genetec  |                                  |
| Web browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language   |                                  |
| <b>General</b>               |   |                                  |
| RS-485 protocols             | HIKVISION, Pelco-P, Pelco-D, self-adaptive  |                                  |
| Power                        | -A: 24VAC, max. 50W ; -AEL: 24VAC, max. 60W / High-PoE, max. 50W  |                                  |
| Working temperature          | -A: -30°C ~ 65°C(-22°F ~ 149°F)<br>-AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F)  |                                  |
| Humidity                     | 90% or less   |                                  |
| Protection level             | IP66, TVS 4000V lightning protection, surge protection and voltage transient protection   |                                  |
| Dimensions                   | Φ245 × 399mm (Φ9.65" × 15.71")  |                                  |
| Weight                       | 6Kg (13.22 lbs)   |                                  |
| Mount option                 | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ  |                                  |

# DS-2DF7276/74-A(EL)(W)

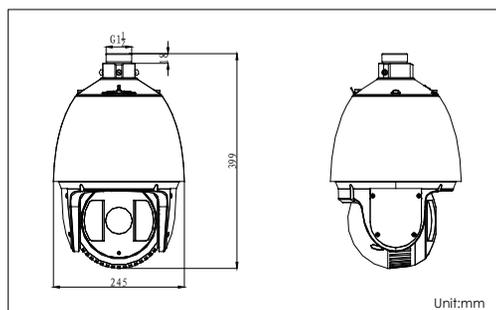
## 1.3MP Network IR PTZ Dome Camera



### Key features

- 1/3" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- Up to 150m IR distance
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply

### Dimensions



### Accessories



### Available models

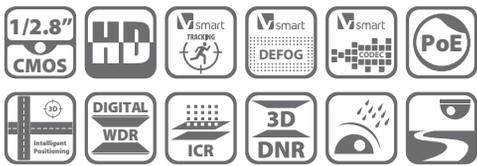
- DS-2DF7276-A: 24VAC, outdoor  
 DS-2DF7276-AEL: High-PoE & 24VAC, outdoor
- DS-2DF7274-A: 24VAC, outdoor  
 DS-2DF7274-AEL: High-PoE & 24VAC, outdoor

|                              | DS-2DF7276-A/AEL   | DS-2DF7274-A/AEL             |
|------------------------------|--|------------------------------|
| <b>Camera</b>                |  |                              |
| Image sensor                 | 1/3" Progressive Scan CMOS   |                              |
| Effective pixel              | 1320K pixels   |                              |
| Min. Illumination            | Color : 0.3 lux (F1.4, 1/30 sec, 50 IRE, AGC On)/BW : 0.02 lux (F1.4, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR   |                              |
| White balance                | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp   |                              |
| AGC                          | Auto / Manual  |                              |
| S / N ratio                  | ≥ 55dB   |                              |
| Digital noise reduction      | 3D DNR   |                              |
| Backlight compensation       | HLC / BLC:   | Support                      |
| Wide dynamic range           | Digital WDR  |                              |
| Shutter speed                | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |                              |
| Day & Night                  | IR Cut Filter  |                              |
| Digital zoom                 | 16X  |                              |
| Privacy masking              | 24 privacy masks programmable, optional multiple colors and mosaics  |                              |
| Focus mode                   | Auto / Semiautomatic / Manual  |                              |
| EIS                          | Support  |                              |
| Defog                        | Support  |                              |
| <b>Lens</b>                  |  |                              |
| Focal length                 | 4.3 ~ 129.0mm, 30X optical zoom  | 4.3-86.0mm, 20x              |
| Zoom speed                   | Approx 3s (Optical Wide-Tele)  | Approx.5s(Optical Wide-Tele) |
| Angle of view                | 57.4-2.8 degree (Wide-Tele)  | 54.1-3.2 degree (Wide-Tele)  |
| Min. Working distance        | 10 ~ 1,500mm(Wide-Tele)  |                              |
| Aperture range               | F1.6 ~ F5.0  | F1.4- F2.6                   |
| <b>Pan and Tilt</b>          |  |                              |
| Smart tracking               | Support  |                              |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -2° ~ 90° (Auto Flip)   |                              |
| Pan / Tilt speed             | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 160°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 120°/s   |                              |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples   |                              |
| Number of preset             | 300  |                              |
| Patrol                       | 8 patrols, up to 32 presets per patrol   |                              |
| Pattern                      | 4 patterns, with the recording time not less than 10 minutes per pattern   |                              |
| Power-off memory             | Support  |                              |
| Park action                  | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |                              |
| PTZ position display         | Support  |                              |
| Preset freezing              | Support  |                              |
| Scheduled task               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output  |                              |
| <b>Infrared</b>              |  |                              |
| Smart IR                     | Support  |                              |
| IR distance                  | Up to 150m   |                              |
| IR intensity                 | Automatically adjusted, depending on the zoom ratio  |                              |
| <b>Alarm</b>                 |  |                              |
| Alarm input                  | 7 inputs   |                              |
| Alarm output                 | 2 relay outputs, alarm response actions configurable   |                              |
| Alarm trigger                | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |                              |
| Alarm action                 | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client  |                              |
| <b>Local Video and Audio</b> |  |                              |
| Video output                 | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |                              |
| Audio input                  | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |                              |
| Audio output                 | 1 Audio output interface. Line level, impedance: 600Ω  |                              |
| <b>Network</b>               |  |                              |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector  |                              |
| Max. image resolution        | 1280×960   |                              |
| Frame rate                   | 50Hz:25fps(1280×960), 25fps (1280×720)<br>60Hz:30fps(1280×960), 30fps (1280×720)   |                              |
| Image compression            | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile  |                              |
| SVC                          | Support  |                              |
| ROI encoding                 | Support  |                              |
| Audio compression            | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |                              |
| Protocols                    | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |                              |
| Simultaneous live view       | Up to 20   |                              |
| Streams                      | Triple streams   |                              |
| SD memory card               | Built-in SD/SDHC Slot, up to 64GB, support manual / alarm / edge recording   |                              |
| User/Host level              | Up to 32 users, 3 Levels: Administrator, Operator and User   |                              |
| Security measures            | User authentication(ID and PW); Host authentication(MAC address); IP address filtering   |                              |
| <b>Integration</b>           |  |                              |
| Application programming      | Open-ended API, support Onvif, PSIA, CGI and Genetec   |                              |
| Web browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language  |                              |
| <b>General</b>               |  |                              |
| RS-485 protocols             | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |                              |
| Power                        | -A: 24VAC, max. 50W; -AEL: 24VAC, max. 60W / High-PoE, max. 50   |                              |
| Working temperature          | -A: -30°C ~ 65°C(-22°F ~ 149°F)<br>-AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F)   |                              |
| Humidity                     | 90% or less  |                              |
| Protection level             | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection   |                              |
| Dimensions                   | Φ245 × 399mm (Φ9.65" × 15.71")   |                              |
| Weight                       | 6Kg (13.22 lbs)  |                              |
| Mount option                 | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ   |                              |

PTZ DOME  
NETWORK  
ALOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-2DF5286/84-A(E3)(EL)

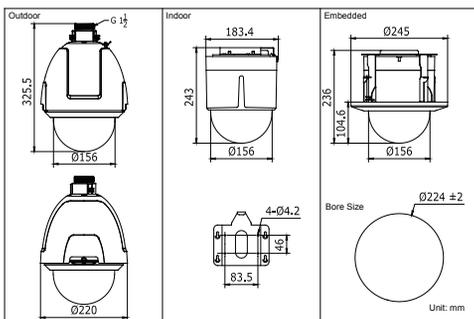
## 2MP Network PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply
- Outdoor / Indoor

### Dimensions



### Accessories



### Available models

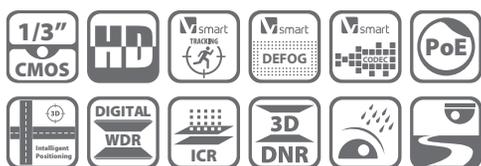
DS-2DF5286-A: 24VAC, outdoor  
 DS-2DF5286-AEL: High-PoE & 24VAC, outdoor  
 DS-2DF5286-A3: 24VAC, indoor  
 DS-2DF5286-AE3: PoE+ & 24VAC, indoor

DS-2DF5284-A: 24VAC, outdoor  
 DS-2DF5284-AEL: High-PoE & 24VAC, outdoor  
 DS-2DF5284-A3: 24VAC, indoor  
 DS-2DF5284-AE3: PoE+ & 24VAC, indoor

|                                | DS-2DF5286-A/AEL (outdoor)<br>DS-2DF5286-A3/AE3 (indoor)   | DS-2DF5284-A/AEL (outdoor)<br>DS-2DF5284-A3/AE3 (indoor) |
|--------------------------------|--|--|
| <b>Camera</b>                  |  |  |
| Image sensor                   | 1/2.8" Progressive Scan CMOS   |  |
| Effective pixel                | 2230K pixels   |  |
| Min. Illumination              | Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On) B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On) B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)   |  |
| White balance                  | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |  |
| AGC                            | Auto / Manual  |  |
| S / N ratio                    | ≥ 55dB   |  |
| Digital noise reduction        | 3D DNR   |  |
| Backlight compensation         | HLC / BLC  |  |
| Wide dynamic range             | Digital WDR  |  |
| Shutter speed                  | 50Hz: 1-1/30,000s; 60Hz: 1-1/30,000s   |  |
| Day & Night                    | IR Cut Filter  |  |
| Digital zoom                   | 16X  |  |
| Privacy masking                | 24 privacy masks programmable, optional multiple colors and mosaics  |  |
| Focus mode                     | Auto / Semiautomatic / Manual  |  |
| Electronic Image Stabilization | Support  |  |
| Defog                          | Support  |  |
| <b>Lens</b>                    |  |  |
| Focal length                   | 4.3 ~ 129mm, 30X optical zoom  | 4.7 ~ 94mm, 20X optical zoom                             |
| Zoom speed                     | Approx.3s (Optical Wide-Tele)  | Approx. 2.7s (Optical Wide-Tele)                         |
| Angle of view                  | 65.5 ~ 2.11 degree (Wide-Tele)   | 58.3 ~ 3.2 degree (Wide-Tele)                            |
| Min. Working distance          | 10 ~ 1500mm(Wide-Tele)   |  |
| Aperture range                 | F1.6 ~ F5.0  | F1.6 ~ F3.5  |
| <b>Pan and Tilt</b>            |  |  |
| Smart tracking                 | Support  |  |
| Pan / Tilt range               | Pan: 360° endless; Tilt: -5° ~ 90°(Auto Flip)  |  |
| Pan / Tilt speed               | Pan Manual Speed: 0.1° ~ 300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1° ~ 240°/s, Tilt Preset Speed: 400°/s   |  |
| Proportional zoom              | Rotation speed can be adjusted automatically according to zoom multiples   |  |
| Number of preset               | 300  |  |
| Patrol                         | 8 patrols, up to 32 presets per patrol   |  |
| Pattern                        | 4 patterns, with the recording time not less than 10 minutes per pattern   |  |
| Power-off memory               | Support  |  |
| Park action                    | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |  |
| PTZ position display           | Support  |  |
| Preset freezing                | Support  |  |
| Scheduled task                 | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output  |  |
| <b>Alarm</b>                   |  |  |
| Alarm input                    | 7 inputs   |  |
| Alarm output                   | 2 relay outputs, alarm response actions configurable   |  |
| Alarm trigger                  | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |  |
| Alarm action                   | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client  |  |
| <b>Local Video and Audio</b>   |  |  |
| Video output                   | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |  |
| Audio input                    | 1 Mic in/Line in interface. Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |  |
| Audio output                   | 1 Audio output interface. Line level, impedance: 600Ω  |  |
| <b>Network</b>                 |  |  |
| Ethernet                       | 10Base-T / 100Base-TX, RJ45 connector  |  |
| Max. image resolution          | 1920×1080  |  |
| Frame rate                     | 50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720)<br>60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720)   |  |
| Image compression              | H.264 / MJPEG / MPEG4, H.264 encoding with Baseline / Main / High profile  |  |
| SVC                            | Support  |  |
| ROI encoding                   | Support  |  |
| Audio compression              | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |  |
| Protocols                      | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |  |
| Simultaneous live view         | Up to 20   |  |
| Streams                        | Triple streams   |  |
| SD memory card                 | Built-in micro SD/SDHC Slot, up to 64GB, support manual / alarm / edge recording   |  |
| User/Host level                | Up to 32 users, 3 Levels: Administrator, Operator and User   |  |
| Security measures              | User authentication (ID and PW), Host authentication (MAC address), IP address filtering   |  |
| <b>Integration</b>             |  |  |
| Application programming        | Open-ended API, support Onvif, PSIA, CGI and Genetec   |  |
| Web browser                    | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language  |  |
| <b>General</b>                 |  |  |
| RS-485 Protocols               | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |  |
| Power                          | -A: 24VAC, max. 40W<br>-AEL: 24VAC, max. 60W / High-PoE, max. 40W<br>-A3/AE3: 24VAC / PoE+, max. 25W   |  |
| Working Temperature            | -A: -30°C ~ 65°C (-22°F ~ 149°F)<br>-AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F)<br>-A3/AE3: -10°C ~ 50°C (14°F ~ 122°F)  |  |
| Humidity                       | 90% or less  |  |
| Protection Level               | IP66, IK 10, TVS 4,000V lightning protection, surge protection and voltage transient protection  |  |
| Dimensions                     | Φ220×325.5mm (Φ8.66"×12.81")(Outdoor)<br>Φ183.4×243mm (Φ7.22"×9.57")(Ceiling)<br>Φ245×236mm (Φ9.65"×9.29")(In-ceiling)   |  |
| Weight                         | 4kg (8.82 lbs)   |  |
| Mount Option (outdoor models)  | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ   |  |

# DS-2DF5276/74-A(E3)(EL)

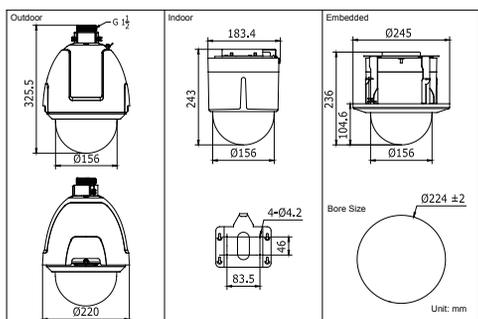
## 1.3MP Network PTZ Dome Camera



### Key features

- 1/3" Progressive Scan CMOS
- 30X / 20X optical zoom, 16X digital zoom
- Smart Tracking, EIS, Defog
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Triple stream
- 24VAC / High-PoE power supply
- Outdoor / Indoor

### Dimensions



### Accessories



### Available models

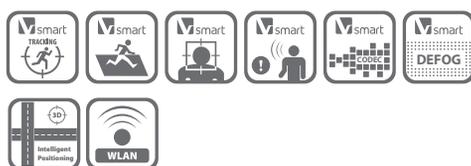
- DS-2DF5276-A: 24VAC, outdoor
- DS-2DF5276-AEL: High-PoE & 24VAC, outdoor
- DS-2DF5276-A3: 24VAC, indoor
- DS-2DF5276-AE3: PoE+ & 24VAC, indoor

- DS-2DF5274-A: 24VAC, outdoor
- DS-2DF5274-AEL: High-PoE & 24VAC, outdoor
- DS-2DF5274-A3: 24VAC, indoor
- DS-2DF5274-AE3: PoE+ & 24VAC, indoor

|                               | DS-2DF5276-A/AEL (outdoor)<br>DS-2DF5276-A3/AE3 (indoor)   | DS-2DF5274-A/AEL (outdoor)<br>DS-2DF5274-A3/AE3 (indoor) |
|-------------------------------|--|--|
| <b>Camera</b>                 |  |  |
| Image sensor                  | 1/3" Progressive Scan CMOS   |  |
| Effective pixel               | 1320K pixels   |  |
| Min. illumination             | Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On) B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On) B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)   |  |
| White balance                 | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp   |  |
| AGC                           | Auto / Manual  |  |
| S / N ratio                   | ≥ 55dB   |  |
| Digital noise reduction       | 3D DNR   |  |
| Backlight compensation        | HLC / BLC  |  |
| Wide dynamic range            | Digital WDR  |  |
| Shutter speed                 | 50Hz: 1~ 1/30,000s; 60Hz: 1~ 1/30,000s   |  |
| Day & Night                   | IR Cut Filter  |  |
| Digital zoom                  | 16X  |  |
| Privacy masking               | 24 privacy masks programmable, optional multiple colors and mosaics  |  |
| Focus mode                    | Auto / Semiautomatic / Manual  |  |
| Electronic Image Sabilization | Support  |  |
| Defog                         | Support  |  |
| <b>Lens</b>                   |  |  |
| Focal length                  | 4.3 ~ 129mm, 30X optical zoom  | 4.3-86.0mm, 20x  |
| Zoom speed                    | Approx.3s (Optical Wide-Tele)  | Approx.5s(Optical Wide-Tele)                             |
| Angle of view                 | 57.4-2.8 degree (Wide-Tele)  | 54.1-3.2 degree (Wide-Tele)                              |
| Min. Working distance         | 10 ~ 1500mm(Wide-Tele)   |  |
| Aperture range                | F1.6 - F5.0  | F1.4- F2.6   |
| <b>Pan and Tilt</b>           |  |  |
| Smart tracking                | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger / Region entrance trigger / Region exiting trigger  |  |
| Pan / Tilt range              | Pan: 360° endless; Tilt: -5° ~ 90°(Auto Flip)  |  |
| Pan / Tilt speed              | Pan Manual Speed: 0.1° ~ 300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1° ~ 240°/s, Tilt Preset Speed: 400°/s   |  |
| Proportional zoom             | Rotation speed can be adjusted automatically according to zoom multiples   |  |
| Number of preset              | 300  |  |
| Patrol                        | 8 patrols, up to 32 presets per patrol   |  |
| Pattern                       | 4 patterns, with the recording time not less than 10 minutes per pattern   |  |
| Power-off memory              | Support  |  |
| Park action                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |  |
| PTZ position display          | Support  |  |
| Preset freezing               | Support  |  |
| Scheduled task                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output  |  |
| <b>Alarm</b>                  |  |  |
| Alarm input                   | 7 inputs   |  |
| Alarm output                  | 2 relay outputs, alarm response actions configurable   |  |
| Alarm trigger                 | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |  |
| Alarm actions                 | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client  |  |
| <b>Local Video&amp;Audio</b>  |  |  |
| Video output                  | 1.0V(p-p) / 75Ω, NTSC (or PAL) composite, BNC  |  |
| Audio input                   | 1 Mic in/Line in interface. Line input: 2-2.4V(p-p); output impedance: 1KΩ, ±10%   |  |
| Audio output                  | 1 Audio output interface. Line level, impedance: 600Ω  |  |
| <b>Network</b>                |  |  |
| Ethernet                      | 10Base-T / 100Base-TX, RJ45 connector  |  |
| Max. image resolution         | 1280×960   |  |
| Frame rate                    | 50Hz:25fps(1280×960), 25fps (1280×720); 60Hz:30fps(1280×960), 30fps (1280×720)   |  |
| Image compression             | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |  |
| SVC                           | Support  |  |
| ROI encoding                  | Support  |  |
| Audio compression             | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |  |
| Protocols                     | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTp, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |  |
| Simultaneous live view        | Up to 20   |  |
| Streams                       | Triple streams   |  |
| SD memory card                | Built-in micro SD/SDHC Slot, up to 64GB, support manual / alarm / edge recording   |  |
| User/Host level               | Up to 32 users, 3 Levels: Administrator, Operator and User   |  |
| Security measures             | User authentication (ID and PW), Host authentication (MAC address), IP address filtering   |  |
| <b>Integration</b>            |  |  |
| Application programming       | Open-ended API, support Onvif, PSIA, CGI and Genetec   |  |
| Web browser                   | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language  |  |
| <b>General</b>                |  |  |
| RS-485 protocols              | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |  |
| Power                         | -A: 24VAC, max. 40W  |  |
|                               | -AEL: 24VAC, max. 60W / High-PoE, max. 40W<br>-A3/AE3: 24VAC / PoE+, max. 25W<br>-A: -30°C ~ 65°C(-22°F ~ 149°F)   |  |
| Working Temperature           | -AEL: 24 VAC: -40°C ~ 65°C (-40°F ~ 149°F) / High-PoE: -30°C ~ 65°C (-22°F ~ 149°F)  |  |
|                               | -A3/AE3: -10°C ~ 50°C (14°F ~ 122°F)   |  |
| Humidity                      | 90% or less  |  |
| Protection Level              | IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection<br>Φ220×325.5mm (Φ8.66"×12.81")(Outdoor); Φ183.4×243mm (Φ7.22"×9.57")(Ceiling)  |  |
| Dimensions                    | Φ245×236mm (Φ9.65"×9.29")(In-ceiling)  |  |
| Weight                        | 4Kg (8.82 lbs)   |  |
| Mount Option                  | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ   |  |

# DS-2DF5220S-DE4/W

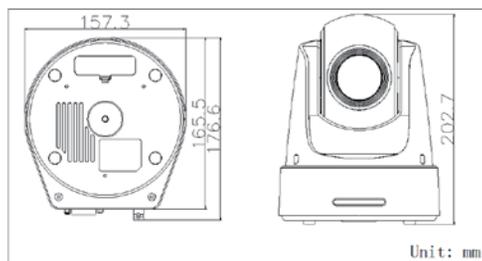
## 2MP 20X Network PTZ dome camera



### Key features

- 1/3" HD CMOS sensor
- 1920\*1080 Full HD, 20X Optical Zoom
- WiFi
- Digital WDR
- Smart Tracking
- Smart Detection
- EIS (Electronic Image Stabilization)
- Defog
- Heat mapping
- PoE+ / 12VDC power supply

### Dimensions



### Accessories



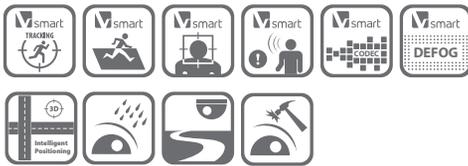
### Available models

DS-2DF5220S-DE4/W, 12VDC, indoor with HD-SDI, YPbPr interface; support WiFi and PoE+

| DS-2DF5220S-DE4/W         |  |
|---------------------------|--|
| <b>Camera Module</b>      |  |
| Image Sensor              | 1/3" Progressive Scan CMOS   |
| Min. Illumination         | F1.6, 1/1 sec, 50 IRE, AGC On: Color: 0.02 lux, B/W : 0.002 lux<br>F1.6, 1/30 sec, 50 IRE, AGC On: Color:0.3 lux, B/W : 0.02 lux   |
| Max. Image Resolution     | 1920x1080  |
| Focal Length              | 4.7-94mm, 20x  |
| Digital Zoom              | 16X  |
| Zoom Speed                | Approx.2.7s(Optical Wide-Tele)   |
| Angle of View             | 58.3-3.2 degree (Wide-Tele)  |
| Min. Working Distance     | 10-1500mm(Wide-Tele)   |
| Aperture Range            | F1.6-F3.5  |
| Focus Mode                | Auto / Semiautomatic / Manual  |
| WDR                       | Digital WDR  |
| S / N Ratio               | ≥ 55dB   |
| Shutter Time              | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                       | Auto / Manual  |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night               | IR Cut Filter  |
| Privacy Mask              | 24 privacy masks programmable; optional multiple colors and mosaics  |
| Enhancement               | 3D DNR, EIS, Defog, HLC/BLC, SVC   |
| <b>Pan and Tilt</b>       |  |
| Range                     | Pan:360° endless; Tilt: -30°~90°(Auto Flip)  |
| Speed                     | Pan Manual Speed: 0.1°~150°/s, Pan Preset Speed: 270°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s   |
| Number of Preset          | 300  |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |
| Pattern                   | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action               | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task            | Preset / Patrol / Pattern / Auto scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Dome adjust/Aux output  |
| <b>Smart Features</b>     |  |
| Smart tracking            | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger  |
| Smart detection           | Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance, region exiting   |
| ROI encoding              | Support 24 areas with adjustable levels  |
| <b>Alarm</b>              |  |
| Alarm I/O                 | 2/1  |
| Alarm Trigger             | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action              | Preset, Patrol, Pattern, Micro SD/SDHC card recording, Relay output, Notification on Client, smart snapshot, upload FTP, email linkage   |
| <b>Input/Output</b>       |  |
| Monitor Output            | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |
| HD-SDI Output             | 1 HD-SDI interface<br>Video Output: 720P@25fps/30fps/50fps/60fps; 1080P@25fps/30fps/50fps/60fps, 1080I@50fps/60fps   |
| YPbPr Output              | 1 YPbPr interface, Video Output: 720P@50fps/60fps; 1080P@50fps/60fps, 1080I@50fps/60fps  |
| HDMI Output               | 1 HDMI interface, Video Output: 720P@50fps/60fps; 1080P@50fps/60fps, 1080I@50fps/60fps   |
| <b>Wifi</b>               |  |
| Wireless Standards        | IEEE802.11b, 802.11g, 802.11n  |
| Frequency Range           | 2.4 GHz ~ 2.4835 GHz   |
| Channel Bandwidth         | 20/40MHz Support   |
| Protocols                 | 802.11b: CCK, QPSK, BPSK; 802.11g/n: OFDM  |
| Security                  | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS  |
| Transfer Rates            | 11b: 11Mbps; 11g: 54Mbps; 11n: up to 150Mbps   |
| Wireless Range            | 30m(*The performance varies depending on actual environment.)  |
| <b>Network</b>            |  |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream               | 50Hz: 25fps(1920x1080, 1280x960, 1280x720); 60Hz: 30fps(1920x1080, 1280x960, 1280x720)   |
| Sub Stream                | 50Hz: 25fps(704x576, 352x288, 176x144); 60Hz: 30fps(704x480, 352x240, 176x120)   |
| Third Stream              | 50Hz: 25fps(1920x1080, 1280x960, 1280x720, 704x576, 352x288, 176x144)<br>60Hz: 30fps(1920x1080, 1280x960, 1280x720, 704x480, 352x240, 176x120)   |
| Image Compression         | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View    | Up to 20 users   |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| <b>System Integration</b> |  |
| Application programming   | Open-ended API, support ONVIF, PSIA, CGI and Genetec   |
| Web Browser               | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols          | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| RS-232                    | Visca, Pelco-P, Pelco-D  |
| Power                     | 12VDC, PoE+, Max. 24W  |
| Working Temperature       | -10°C ~ 50°C (-14°F ~ 122°F)   |
| Humidity                  | 90% or less  |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions                | Φ176.6(mm)×202.7(mm)   |
| Weight (approx.)          | 1.8kg  |
| Mount Option              | Pendent mount: DS-1691ZJ; Wall mount: DS-1692ZJ  |

# DS-2DF7230I5-AEL

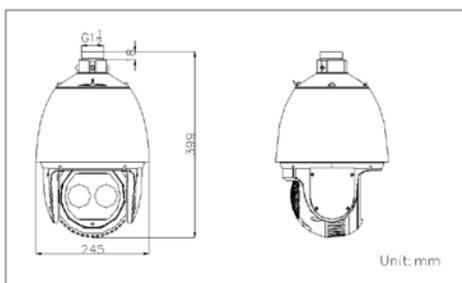
## 2MP 30X Network Laser PTZ Dome Camera



### Key features

- 1/2.8" HD CMOS sensor
- 1920×1080P Full HD, 30X Optical Zoom
- DWDR
- Smart Tracking
- Smart Detection
- EIS (Electronic Image Stabilization)
- Defog
- 500m IR distance
- 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

DS-2DF7230I5-AEL, 24VAC, low temperature, outdoor

| DS-2DF7230I5-AEL          |  |
|---------------------------|--|
| <b>Camera Module</b>      |  |
| Image Sensor              | 1/2.8" Progressive Scan CMOS   |
| Min. Illumination         | F1.6, 1/1 sec, 50 IRE, AGC On: Color : 0.02 lux; B/W : 0.002 lux; 0 lux with IR<br>F1.6, 1/30 sec, 50 IRE, AGC On: Color : 0.3 lux; B/W : 0.02 lux; 0 lux with IR  |
| Max. Image Resolution     | 1920×1080  |
| Focal Length              | 4.3-129mm, 30x   |
| Digital Zoom              | 16X  |
| Zoom Speed                | Approx.3s(Optical Wide-Tele)   |
| Angle of View             | 57.4-2.8 degree (Wide-Tele)  |
| Min. Working Distance     | 10-1500mm(Wide-Tele)   |
| Aperture Range            | F1.6-F5.0  |
| Focus Mode                | Auto / Semiautomatic / Manual  |
| Digital WDR               | Support  |
| S / N Ratio               | ≥ 55dB   |
| Shutter Time              | 50Hz: 1~1/30,000s; 60Hz: 1~1/30,000s   |
| AGC                       | Auto / Manual  |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |
| Day & Night               | IR Cut Filter  |
| Privacy Mask              | 24 privacy masks programmable; optional multiple colors and mosaics  |
| Enhancement               | 3D DNR, EIS, Defog, HLC/BLC  |
| <b>Pan and Tilt</b>       |  |
| Range                     | Pan:360° endless; Tilt: -2°-90° (Auto Flip)  |
| Speed                     | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 200°/s   |
| Number of Preset          | 300  |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |
| Pattern                   | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| Scheduled Task            | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output  |
| <b>Smart Features</b>     |  |
| Smart tracking            | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger<br>Smart tracking when patrol between multiple scenarios  |
| Smart detection           | Face detection, intrusion detection, line crossing detection ,audio exception  |
| ROI encoding              | Support 24 areas with adjustable levels  |
| <b>Infrared</b>           |  |
| IR Distance               | Up to 500m   |
| IR Intensity              | Automatically adjusted, depending on the zoom ratio  |
| <b>Alarm</b>              |  |
| Alarm I/O                 | 7/2  |
| Alarm Trigger             | Face detection, Intrusion detection, Line crossing detection, Region entrance, Region exiting, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Alarm Action              | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client  |
| <b>Input/Output</b>       |  |
| Monitor Output            | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |
| <b>Network</b>            |  |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |
| Main Stream               | 50Hz: 25fps(1920×1080, 1280×960, 1280×720); 60Hz: 30fps(1920×1080, 1280×960, 1280×720)   |
| Sub Stream                | 50Hz: 25fps(704×576, 352×288, 176×144); 60Hz: 30fps(704×480, 352×240, 176×120)   |
| Third Stream              | 50Hz: 25fps(1920×1080, 1280×960, 1280×720, 704×576, 352×288, 176×144)<br>60Hz: 30fps(1920×1080, 1280×960, 1280×720, 704×480, 352×240, 176×120)   |
| Image Compression         | H.264/MJPEG/MPEG4, H.264 encoding with Baseline/Main/High profile  |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722  |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |
| Simultaneous Live View    | Up to 20 users   |
| Mini SD Memory Card       | Manual REC / Alarm REC, Built-in Micro SD/SDHC/SDXC card slot, up to 64GB, Edge recording  |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User  |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |
| <b>System Integration</b> |  |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec   |
| Web Browser               | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +, support multi-language   |
| RS-485 Protocols          | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                     | Hi-PoE&24 VAC, I3: Max. 43W, I5: Max. 45W  |
| Working Temperature       | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Humidity                  | 90% or less  |
| Protection Level          | IP66 standard (outdoor dome), TVS 6,000V lightning protection, surge protection and voltage transient protection   |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1   |
| Dimensions                | Φ245×399mm (Φ9.65"×15.71")   |
| Weight (approx.)          | 6.5kg(14.33lbs)  |
| Mount Option              | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ   |

# DS-2DE2103/2202-DE3/W

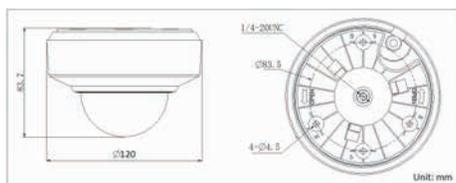
## 1/2MP 3/2X Network Mini PTZ Dome Camera



### Key features

- 2.5" bubble mini Pan/Tilt/Zoom camera
- 1080x720/1920x1080P HD real-time resolution
- 3/2X zoom, 16X digital zoom
- PoE & 12VDC power supply
- Built-in MIC, WIFI
- Micro SD card local storage
- Support EZVIZ cloud P2P
- Easy to install and adjust

### Dimensions



### Accessories



### Available models

DS-2DE2103-DE3/W, 12VDC/PoE(802.3af), built-in WIFI, indoor  
 DS-2DE2202-DE3/W, 12VDC/PoE(802.3af), built-in WIFI, indoor

|                           | DS-2DE2103-DE3/W   | DS-2DE2202-DE3/W           |
|---------------------------|--|----------------------------|
| <b>Camera Module</b>      |  |                            |
| Image Sensor              | 1/3" Progressive Scan CMOS   |                            |
| Min. Illumination         | F2.0, 1/1 sec, 50 IRE, AGC On : Color : 0.05 lux, B/W : 0.01 lux<br>F2.0, 1/30 sec, 50 IRE, AGC On : Color : 0.1 lux, B/W : 0.01 lux   |                            |
| Max. Image Resolution     | 1280(H) × 720(V)   | 1920×1080                  |
| Zoom                      | 3.6~11mm, 3x   | 3.6~8.6mm, 2x              |
| Digital Zoom              | 16X  |                            |
| Zoom Speed                | Approx. 1s(Optical Wide-Tele)  |                            |
| Angle of View             | 80~33 degree (Wide-Tele)   | 80-64.5 degree (Wide-Tele) |
| Aperture Range            | F2.0   |                            |
| Focus Mode                | Auto / Semiautomatic / Manual  |                            |
| WDR                       | DWDR   |                            |
| S / N Ratio               | ≥ 52dB   |                            |
| Shutter Time              | 1/1~1/10,000s  |                            |
| AGC                       | Auto / Manual  |                            |
| White Balance             | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp   |                            |
| Day & Night               | IR Cut Filter  |                            |
| Privacy Mask              | 8 privacy masks programmable   |                            |
| Enhancement               | 3D DNR, HLC/BLC  |                            |
| <b>Pan and Tilt</b>       |  |                            |
| Range                     | Pan: 0~350°; Tilt: 0°~90°  |                            |
| Speed                     | Pan Manual Speed: 0.1°~100°/s, Pan Preset Speed: 100°/s<br>Tilt Manual Speed: 0.1°~80°/s, Tilt Preset Speed: 80°/s   |                            |
| Number of Preset          | 300  |                            |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |                            |
| Park Action               | Preset/Patrol/Pattern  |                            |
| Scheduled Task            | Preset / Patrol / Pattern / Reboot / Self test   |                            |
| <b>Features</b>           |  |                            |
| Detection                 | Intrusion detection, line crossing detection, audio exception detection  |                            |
| ROI encoding              | Support 2 areas with adjustable levels   |                            |
| <b>Alarm</b>              |  |                            |
| Alarm I/O                 | 1/1  |                            |
| Alarm Trigger             | Intrusion detection, Line crossing detection, Motion detection, Audio exception detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |                            |
| Alarm Action              | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage   |                            |
| <b>Input/Output</b>       |  |                            |
| Audio Input               | 1 built-in microphone; 1 audio input (Mic/Line in), 2~2.4V[p-p]; output impedance: 1KΩ, ±10%   |                            |
| Audio Output              | 1 output, Line level, impedance: 600Ω  |                            |
| <b>Network</b>            |  |                            |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |                            |
| Main Stream               | 50Hz: 25 fps (1280×720); 60Hz: 30 fps (1280×720)   50Hz: 25 fps (1920×1080); 60Hz: 30 fps (1920×1080)  |                            |
| Sub Stream                | 50Hz: 25fps(704×576), 25fps(352×288), 25fps(320×240)<br>60Hz: 30fps(704×480), 30fps(352×240), 30fps(320×240)   |                            |
| Image Compression         | H.264 / MJPEG  |                            |
| Audio Compression         | G.711/G.722/G.726/MP2L2  |                            |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |                            |
| Simultaneous Live View    | Up to 20 users   |                            |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |                            |
| User/Host Level           | Up to 32 users, 3 Levels: Administrator, Operator and User   |                            |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |                            |
| <b>System Integration</b> |  |                            |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec<br>Support ezviz cloud P2P  |                            |
| Web Browser               | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+  |                            |
| Power                     | POE&12 VDC, Max. 5.5W  |                            |
| Working Temperature       | -10 C ~ 50 C (14°F ~ 122°F) (indoor dome)  |                            |
| Humidity                  | 90% or less  |                            |
| Protection Level          | IP54, TVS 4,000V lightning protection, surge protection and voltage transient protection   |                            |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN 60950-1  |                            |
| Dimensions                | Φ120×83.7mm  |                            |
| Weight (approx.)          | 600g   |                            |
| Mount Option              | Wall mount: DS-1294ZJ, Junction box: DS-1280ZJ-PT3   |                            |

# DS-2DE2103/2202I-DE3/W

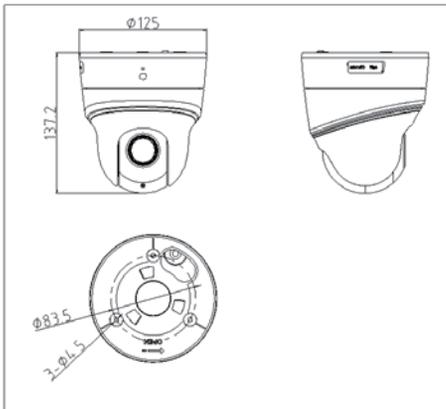
## 1/2MP 3/2X Network IR Mini PTZ Dome Camera



### Key features

- Compact size IR Pan/Tilt/Zoom camera
- 1080x720/1920x1080P HD real-time resolution
- 3/2X zoom, 16X digital zoom
- 20m IR distance
- PoE & 12VDC power supply
- Built-in MIC, WIFI
- Micro SD card local storage
- Support EZVIZ cloud P2P
- Easy to install and adjust

### Dimensions



### Accessories



### Available models

DS-2DE2103I-DE3/W, 12VDC/PoE(802.3af), built-in WiFi, indoor  
 DS-2DE2202I-DE3/W, 12VDC/PoE(802.3af), built-in WiFi, indoor

|                           | DS-2DE2103I-DE3/W  | DS-2DE2202I-DE3/W          |
|---------------------------|--|----------------------------|
| <b>Camera Module</b>      |  |                            |
| Image Sensor              | 1/3" Progressive Scan CMOS   |                            |
| Min. Illumination         | F2.0, 1/1 sec, 50 IRE, AGC On : Color : 0.05 lux, B/W : 0.01 lux<br>F2.0, 1/30 sec, 50 IRE, AGC On: Color : 0.1 lux, B/W : 0.01 lux  |                            |
| Max. Image Resolution     | 1280(H) × 720(V)   | 1920(H) × 1080(V)          |
| Zoom                      | 3.6~11mm, 3x   | 3.6~8.6mm, 2x              |
| Digital Zoom              | 16X  |                            |
| Zoom Speed                | Approx.1s(Optical Wide-Tele)   |                            |
| Angle of View             | 80~33 degree (Wide-Tele)   | 80-64.5 degree (Wide-Tele) |
| Aperture Range            | F2.0   |                            |
| Focus Mode                | Auto / Semiautomatic / Manual  |                            |
| WDR                       | DWDR   |                            |
| S / N Ratio               | ≥ 52dB   |                            |
| Shutter Time              | 1/1~1/10,000s  |                            |
| AGC                       | Auto / Manual  |                            |
| White Balance             | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |                            |
| Day & Night               | IR Cut Filter  |                            |
| Privacy Mask              | 8 privacy masks programmable   |                            |
| Enhancement               | 3D DNR, HLC/BLC  |                            |
| <b>Pan and Tilt</b>       |  |                            |
| Range                     | Pan: 0~350°; Tilt: 0°~90°  |                            |
| Speed                     | Pan Manual Speed: 0.1°~60°/s, Pan Preset Speed: 50°/s<br>Tilt Manual Speed: 0.1°~50°/s, Tilt Preset Speed: 50°/s   |                            |
| Number of Preset          | 300  |                            |
| Patrol                    | 8 patrols, up to 32 presets per patrol   |                            |
| Park Action               | Preset/Patrol/Pattern  |                            |
| Scheduled Task            | Preset / Patrol / Pattern / Reboot / Self test   |                            |
| <b>Features</b>           |  |                            |
| Detection                 | Intrusion detection, line crossing detection ,audio exception detection  |                            |
| ROI encoding              | Support 2 areas with adjustable levels   |                            |
| <b>Infrared</b>           |  |                            |
| IR Distance               | 20m  |                            |
| IR Intensity              | Automatically adjusted, depending on the zoom ratio  |                            |
| <b>Alarm</b>              |  |                            |
| Alarm I/O                 | 1/1  |                            |
| Alarm Trigger             | Intrusion detection, Line crossing detection, Motion detection, Audio exception detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |                            |
| Alarm Action              | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage   |                            |
| <b>Input/Output</b>       |  |                            |
| Audio Input               | 1 built-in microphone; 1 audio input (Mic/Line in), 2~2.4V[p-p]; output impedance: 1KΩ, ±10%   |                            |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω  |                            |
| <b>Network</b>            |  |                            |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector  |                            |
| Main Stream               | 50Hz: 25 fps (1280×720); 60Hz: 30 fps (1280×720)   50Hz: 25 fps (1920×1080); 60Hz: 30 fps (1920×1080)  |                            |
| Sub Stream                | 50Hz:25fps(704×576), 25fps(352×288), 25fps(320×240)<br>60Hz:30fps(704×480), 30fps(352×240), 30fps(320×240)   |                            |
| Image Compression         | H.264/ MJPEG   |                            |
| Audio Compression         | G.711/G.722/G.726/MP2L2  |                            |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE   |                            |
| Simultaneous Live View    | Up to 20 users   |                            |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording   |                            |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User  |                            |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering   |                            |
| <b>System Integration</b> |  |                            |
| Application programming   | Open-ended API, support Onvif, PSIA, CGI and Genetec<br>Support ezviz cloud P2P  |                            |
| Web Browser               | IE 7+, Chrome 18 +, Firefox 5.0 +, Safari 5.02 +   |                            |
| Power                     | POE&12 VDC, Max. 9W(IR: 5.9W Max.)   |                            |
| Working Temperature       | -10 C ~50 C (14°F ~122°F)(indoor dome )  |                            |
| Humidity                  | 90% or less  |                            |
| Protection Level          | IP54, TVS 4,000V lightning protection, surge protection and voltage transient protection   |                            |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1  |                            |
| Dimensions                | Φ125×137.2mm   |                            |
| Weight (approx.)          | 600g   |                            |
| Mount Option              | Wall mount: DS-1294ZJ, Junction box: DS-1280ZJ-PT3   |                            |

PTZ DOME

NETWORK

VATALOG

DVR

NVIR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2DE5120/5220I-AE

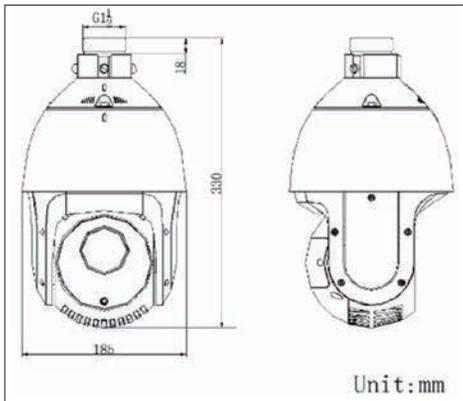
## 1.3/2MP 20X Network IR PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS sensor
- 1280×960/1920×1080, 20X Optical Zoom
- Smart Detection
- Defog
- 150m IR distance
- High-PoE / 24VAC power supply
- Vandal proof (IK10)

### Dimensions



### Accessories



### Available models

DS-2DE5120I-AE, 24VAC/PoE+, outdoor  
DS-2DE5220I-AE, 24VAC/PoE+, outdoor

|                           | DS-2DE5120I-AE  | DS-2DE5220I-AE  |
|---------------------------|---|---|
| <b>Camera Module</b>      |   |   |
| Image Sensor              | 1/2.8" Progressive Scan CMOS  |   |
| Min. Illumination         | F1.5, 1/1 sec, 50 IRE, AGC On: Color: 0.02 lux, B/W : 0.002 lux, 0 lux with IR<br>F1.5, 1/30 sec, 50 IRE, AGC On: Color: 0.05 lux, B/W : 0.01 lux, 0 lux with IR  |   |
| Max. Image Resolution     | 1280 ×960   | 1920×1080   |
| Focal Length              | 4.7-94.0mm, 20x   |   |
| Digital Zoom              | 16X   |   |
| Zoom Speed                | Approx.3s(Optical Wide-Tele)  |   |
| Angle of View             | 58.3-3.2 degree (Wide-Tele)   |   |
| Min. Working Distance     | 10~1,000mm(Wide-Tele)   |   |
| Aperture Range            | F1.6~F3.5   |   |
| Focus Mode                | Auto / Semiautomatic / Manual   |   |
| WDR                       | Support   |   |
| S / N Ratio               | ≥ 52dB  |   |
| Shutter Time              | 1-1/10,000s   |   |
| AGC                       | Auto / Manual   |   |
| White Balance             | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |   |
| Day & Night               | IR Cut Filter   |   |
| Privacy Mask              | 24 privacy masks programmable; optional multiple colors and mosaics   |   |
| Enhancement               | 3D DNR, Defog, HLC/BLC  |   |
| <b>Pan and Tilt</b>       |   |   |
| Range                     | Pan:360° endless; Tilt: -15°~90°(Auto Flip)   |   |
| Speed                     | Pan Manual Speed: 0.1°~400°/s, Pan Preset Speed: 400°/s<br>Tilt Manual Speed: 0.1°~200°/s, Tilt Preset Speed: 200°/s  |   |
| Number of Preset          | 300   |   |
| Patrol                    | 8 patrols, up to 32 presets per patrol  |   |
| Park Action               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |   |
| Scheduled Task            | Auto scan / Frame scan / Random scan / Patrol / Pattern / Preset / Panorama scan / Tilt scan / Dome reboot / Dome adjust / Aux output   |   |
| <b>Features</b>           |   |   |
| Detection                 | Intrusion detection, Line crossing detection, Audio exception   |   |
| ROI encoding              | Support 2 areas with adjustable levels  |   |
| <b>Infrared</b>           |   |   |
| IR Distance               | Up to 150m  |   |
| IR Intensity              | Automatically adjusted, depending on the zoom ratio   |   |
| <b>Alarm</b>              |   |   |
| Alarm I/O                 | 2/1   |   |
| Alarm Trigger             | Intrusion detection, Line crossing detection, Audio exception detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |   |
| Alarm Action              | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage  |   |
| <b>Input/Output</b>       |   |   |
| Audio Input               | 1 Mic in/Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%  |   |
| Audio Output              | 1 Audio output interface, line level, impedance: 600Ω   |   |
| Alarm Input               | 2 (0-5V DC)   |   |
| Alarm Output              | 1 relay output, alarm response actions configurable   |   |
| Alarm Trigger             | Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception                            |   |
| Alarm Actions             | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage  |   |
| <b>Network</b>            |   |   |
| Ethernet                  | 10Base-T / 100Base-TX, RJ45 connector   |   |
| Main Stream               | 50Hz:25fps(1280×960), 25fps (1280×720),<br>60Hz:30fps(1280×960), 30fps (1280×720)   | 50Hz:25fps(1920×1080), 25fps (1280×960), 25fps (1280×720);<br>60Hz:30fps(1920×1080), 30fps (1280×960), 30fps (1280×720) |
| Sub Stream                | 50Hz: 25fps(704×576, 352×288, 176×144), 60Hz: 30fps(704×480, 352×240, 176×120)  |   |
| Image Compression         | H.264/ MJPEG  |   |
| Audio Compression         | G.711ulaw/G.711alaw/G.726/MP2L2/G.722   |   |
| Protocols                 | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |   |
| Simultaneous Live View    | Up to 20 users  |   |
| Mini SD Memory Card       | Support up to 64GB Micro SD/SDHC/SDXC card. Support Edge recording  |   |
| User/Host Level           | Up to 32 users,3 Levels: Administrator, Operator and User   |   |
| Security Measures         | User authentication (ID and PW); Host authentication (MAC address); IP address filtering  |   |
| <b>System Integration</b> |   |   |
| Application programming   | Open-ended API, support ONVIF, PSIA, CGI and Genetec, Support ezviz cloud P2P   |   |
| Web Browser               | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+   |   |
| Power                     | High-PoE&24 VAC, Max.30W  |   |
| Working Temperature       | -30°C - 65°C (-22°F - 149°F)  |   |
| Humidity                  | 90% or less   |   |
| Protection Level          | IP66, IK10, TVS 4,000V lightning protection, surge protection and voltage transient protection  |   |
| Impact Protection         | Outdoor: IEC60068-275Eh, 20J; EN50102, up to IK10<br>Indoor: IEC60068-275Eh, 10J; EN50102, up to IK09   |   |
| Certification             | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC/EN60950-1  |   |
| Dimensions                | Φ266.6(mm)×365.2(mm)  |   |
| Weight (approx.)          | 4kg (8.81lbs)   |   |
| Mount Option              | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ  |   |

# DS-2DE4120/4220-AE(3)

## 1/2MP Network PTZ Dome Camera

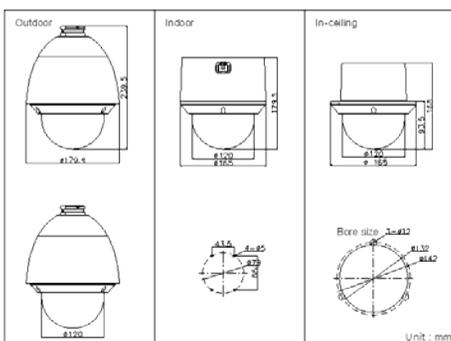
Compact-sized



### Key features

- 1/3" (1/2.8") Progressive Scan CMOS
- 720/1080P HD real-time resolution
- 20X Optical zoom, 16X digital zoom
- True Day/Night, D WDR , 3D DNR
- Privacy Mask, Alarm input/output
- 3D intelligent positioning
- PoE+ / PoE / 24VAC power supply
- Compact-sized design

### Dimensions



### Accessories



### Available models

- DS-2DE4120-AE, 24VAC/PoE+, outdoor
- DS-2DE4120-AE3, 24VAC/PoE, indoor
- DS-2DE4220-AE, 24VAC/PoE+, outdoor
- DS-2DE4220-AE3, 24VAC/PoE, indoor

|                                  | DS-2DE4120-AE(3)  | DS-2DE4220-AE(3)   |
|----------------------------------|---|--|
| <b>Camera</b>                    |   |  |
| Image sensor                     | 1/3" Progressive Scan CMOS  | 1/2.8" Progressive Scan CMOS   |
| Effective pixel                  | 1280(H) × 720(V)  | 1920(H) × 1080(V)  |
| Max. Image Resolution            | Color : 0.05 lux (F1.6, 1/30 sec, 50 IRE, AGC On) B/W : 0.01 lux (F1.6, 1/30 sec, 50 IRE, AGC On)   | Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On) B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On) |
| White balance                    | Auto/Manual/ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |  |
| AGC                              | Auto / Manual   |  |
| S / N ratio                      | ≥ 52dB  |  |
| Digital noise reduction          | 3D DNR  |  |
| Backlight compensation           | BLC   |  |
| Wide dynamic range               | Digital WDR   |  |
| Defog                            | Support   |  |
| Shutter speed                    | 1/1 ~ 1/10,000s   |  |
| Day & Night                      | IR Cut Filter   |  |
| Digital zoom                     | 16X   |  |
| Focus mode                       | Auto / Semiautomatic / Manual   |  |
| Privacy Mask                     | 2 privacy masks programmable  |  |
| <b>Lens</b>                      |   |  |
| Focal length                     | 4.7-94mm, 20x   |  |
| Zoom speed                       | Approx.3s (Optical Wide-Tele)   |  |
| Angle of view                    | 58.3 ~ 3.2 degree (Wide-Tele)   |  |
| Min. working distance            | 10 ~ 1000mm (Wide-Tele)   |  |
| Aperture range                   | F1.6 ~ F3.5   |  |
| <b>Pan and Tilt</b>              |   |  |
| Pan / Tilt range                 | Pan: 360° endless; Tilt: -2° ~ 90° (Auto Flip)  |  |
| Pan / Tilt speed                 | Pan manual speed: 0.1° ~ 160°/s, Pan preset speed: 160°/s<br>Tilt manual speed: 0.1° ~ 120°/s, Tilt preset speed: 120°/s  |  |
| Proportional zoom                | Rotation speed can be adjusted automatically according to zoom multiples  |  |
| Number of preset                 | number of preset: 300   |  |
| Patrol                           | 8 patrols, up to 32 presets per patrol  |  |
| Park action                      | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |  |
| Power-off memory                 | Support   |  |
| PTZ position display             | On / off  |  |
| Preset freezing                  | Support   |  |
| Scheduled Task                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action  |  |
| <b>Local Video and Audio</b>     |   |  |
| Alarm input / output             | 1 input (0-5V DC) / 1 relay output, alarm response actions configurable   |  |
| Alarm Trigger                    | Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception<br>Alarm Actions: Preset, Patrol, Pattern, Recording, Relay output, Upload center, Upload FTP, Email linkage |  |
| Audio input / output             | 1 mic/Line in, 2-2.4V[p-p]; output impedance: 1KΩ, ±10% / 1 output, Line level, impedance: 600Ω   |  |
| <b>Network</b>                   |   |  |
| Ethernet                         | 10Base-T / 100Base-TX, RJ45 connector   |  |
| Max. image resolution            | 1280×720  | 1920×1080  |
| Sub Stream                       | 50Hz:25fps(704×576), 25fps(352×288), 25fps(320×240)<br>60Hz:30fps(704×480), 30fps(352×240), 30fps(320×240)  |  |
| Frame rate                       | 50Hz: 25 fps (1280×720); 60Hz: 30 fps (1280×720);<br>50Hz: 25 fps (1920×1080), 25 fps (1280×720);<br>60Hz: 30 fps (1920×1080), 30 fps (1280×720)  |  |
| Image compression                | H.264/MJPEG   |  |
| SVC                              | Support   |  |
| ROI encoding                     | Support 2 areas with adjustable levels  |  |
| Audio compression                | G.711/G.722/G.726/MP2L2   |  |
| Protocols                        | IPv4/IPv6, HTTP, HTTPS, 802.1X, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |  |
| Simultaneous live view           | Up to 20  |  |
| Streams                          | Dual streams  |  |
| SD memory card                   | Built-in micro SD card slot, up to 64GB, support edge recording   |  |
| User/Host Level                  | Up to 32 users, 3 Levels: Administrator, Operator, User   |  |
| Security measures                | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |  |
| <b>Integration</b>               |   |  |
| Application programming          | Open-ended API, support Onvif, PSIA, CGI and Genetec, Support ezviz cloud P2P   |  |
| Web Browser                      | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+, support multi-language   |  |
| <b>General</b>                   |   |  |
| Power                            | -AE: 24VAC/PoE+(802.3at), Max18W; -AE3: 24VAC/PoE(802.3af), Max 12W   |  |
| Working temperature              | -AE: -30°C ~ 65°C (-22°F ~ 149°F) ; -AE3: -10°C ~ 50°C (14°F ~ 122°F)   |  |
| Humidity                         | 90% or less   |  |
| Protection level                 | IP66 (outdoor),TVS 4,000V lightning protection, surge protection and voltage transient protection   |  |
| Impact Protection Outdoor        | IEC60068-275Eh, 5J; EN50102, up to IK08; Indoor: IEC60068-275Eh, 5J; EN50102, up to IK08  |  |
| Dimensions                       | Φ179.4×239.5mm (Φ7.06"×9.43") (outdoor); Φ165×179.5mm(Φ6.50"×7.07") (indoor in-ceiling)<br>Φ165×168mm(Φ6.50"×6.61") (indoor in-ceiling)   |  |
| Weight                           | Approx. 2Kg (4.41lbs)   |  |
| Mount option (for outdoor model) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ  |  |

NOTE: Indoor models support ceiling and in-ceiling mount.

# DS-2DE7186/84-A(E)

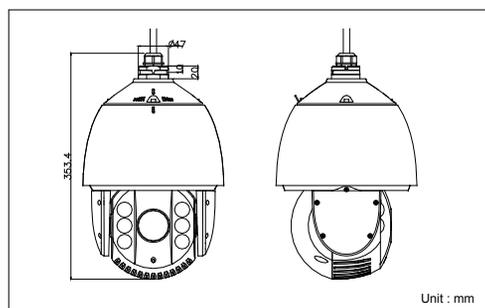
## 2MP Network IR PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS
- 1080P Full HD resolution
- 30X / 20X optical zoom, 16X digital zoom
- Up to 100m IR distance
- True Day/Night, 3D DNR, Digital WDR
- 3D intelligent positioning
- 24VAC / High-PoE power supply

### Dimensions



### Accessories



### Available models

DS-2DE7186-A: 24VAC, outdoor  
 DS-2DE7186-AE: High-PoE & 24VAC, outdoor

DS-2DE7184-A: 24VAC, outdoor  
 DS-2DE7184-AE: High-PoE & 24VAC, outdoor

|                              | DS-2DE7184-A<br>DS-2DE7184-AE   | DS-2DE7186-A<br>DS-2DE7186-AE  |
|------------------------------|---|--------------------------------|
| <b>Camera</b>                |   |                                |
| Image sensor                 | 1/2.8" Progressive Scan CMOS  |                                |
| Effective pixel              | 2230K pixels  | 3270K pixels                   |
| Min. illumination            | Color : 0.05 lux (F1.6, 1/30 sec, 50 IRE, AGC On); B/W : 0.01 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On); B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>0 lux with IR |                                |
| White balance                | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |                                |
| AGC                          | Auto / Manual   |                                |
| S / N ratio                  | ≥ 52dB  |                                |
| Digital noise Reduction      | 3D DNR  |                                |
| Backlight compensation       | HLC/BLC   |                                |
| Wide dynamic range           | Digital WDR   |                                |
| Defog                        | Support   |                                |
| Shutter speed                | 1 ~ 1/10,000s   |                                |
| Day & Night                  | IR Cut Filter   |                                |
| Digital zoom                 | 16X   |                                |
| Privacy masking              | 2 privacy masks programmable  |                                |
| Focus mode                   | Auto / Semiautomatic / Manual   |                                |
| <b>Lens</b>                  |   |                                |
| Focal length                 | 4.7 ~ 94mm, 20x   | 4.3 ~ 129mm, 30x               |
| Zoom speed                   | Approx 3s(Optical Wide-Tele)  |                                |
| Angle of view                | 58.3 ~ 3.2 degree (Wide-Tele)   | 65.1 ~ 2.34 degree (Wide-Tele) |
| Min. working distance        | 10 ~ 1000mm(Wide-Tele)  | 10 ~ 1500mm(Wide-Tele)         |
| Aperture range               | F1.6 ~ F3.5   | F1.6 ~ F5.0                    |
| <b>Pan and Tilt</b>          |   |                                |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)   |                                |
| Pan / Tilt speed             | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s  |                                |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples  |                                |
| Number of preset             | 300   |                                |
| Park action                  | Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan   |                                |
| Patrol                       | 8 patrols, up to 32 presets per patrol  |                                |
| Power-off memory             | Support   |                                |
| PTZ position display         | Support   |                                |
| Preset freezing              | Support   |                                |
| Scheduled task               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Aux Output   |                                |
| <b>Infrared</b>              |   |                                |
| IR distance                  | Up to 120m  |                                |
| IR intensity                 | Automatically adjusted, depending on the zoom ratio   |                                |
| <b>Local Video&amp;Audio</b> |   |                                |
| Audio input                  | 1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%  |                                |
| Audio output                 | 1 Audio output interface, Line level, impedance: 600Ω   |                                |
| Alarm Input                  | 2 (0-5v DC)   |                                |
| Alarm Output                 | 1 relay output, alarm response actions configurable   |                                |
| Alarm Trigger                | Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |                                |
| Alarm Actions                | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage  |                                |
| <b>Network</b>               |   |                                |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector   |                                |
| Max. image resolution        | 1920×1080   |                                |
| Frame rate                   | 50Hz: 25 fps (1920×1080), 25 fps (1280×960), 25 fps (1280×720)<br>60Hz: 30 fps (1920×1080), 30 fps (1280×960), 30 fps (1280×720)  |                                |
| Image compression            | H.264/MJPEG   |                                |
| ROI encoding                 | Support 2 areas with adjustable levels  |                                |
| Audio compression            | G.711/G.722/G.726/MP2L2   |                                |
| Protocols                    | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |                                |
| Simultaneous live view       | Up to 20  |                                |
| Streams                      | Dual streams  |                                |
| Mini SD memory card          | Micro SD Slot, up to 64GB, edge recording   |                                |
| User/Host level              | Up to 32 users, 3 Levels: Administrator, Operator, User   |                                |
| Security measures            | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |                                |
| <b>Integration</b>           |   |                                |
| Application programming      | Open-ended API, support ONVIF, PSIA, CGI and Genetec, Support ezviz cloud P2P   |                                |
| Web browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+   |                                |
| <b>General</b>               |   |                                |
| Power                        | 24 VAC(for -A model), Hi-PoE & 24 VAC(for -AE model)<br>Max. 30W(IR LED On); Max. 21W(IR LED Off)   |                                |
| Working temperature          | -30 °C ~ 65°C(-22°F ~ 149°F)  |                                |
| Humidity                     | 90% or less   |                                |
| Protection level             | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection  |                                |
| Dimensions                   | Φ220×353.4mm (Φ8.66"×13.91")  |                                |
| Weight                       | 4.5kg(9.92lbs)  |                                |
| Mount option                 | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ  |                                |

# DS-2DE7176/74-A

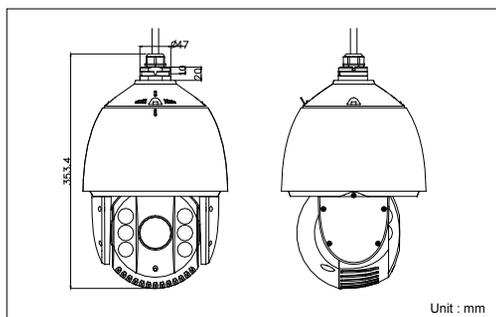
## 1.3MP Network IR PTZ Dome Camera



### Key features

- 1/3" Progressive Scan CMOS
- 1280 × 960 HD resolution
- 30X / 20X optical zoom, 16X digital zoom
- 100m IR distance
- True Day/Night, 3D DNR, Digital WDR
- 3D intelligent positioning
- 24VAC / High-PoE power supply

### Dimensions



### Accessories



### Available models

DS-2DE7176-A: 24VAC, outdoor  
 DS-2DE7176-AE: High-PoE & 24VAC, outdoor

DS-2DE7174-A: 24VAC, outdoor  
 DS-2DE7174-AE: High-PoE & 24VAC, outdoor

|                              | DS-2DE7174-A<br>DS-2DE7174-AE   | DS-2DE7176-A<br>DS-2DE7176-AE  |
|------------------------------|---|--|
| <b>Camera</b>                |   |  |
| Image sensor                 | 1/3" Progressive Scan CMOS  |  |
| Effective pixel              | 1320K pixels  |  |
| Min. illumination            | Color : 0.05 lux (F1.4, 1/30 sec, 50 IRE, AGC On)<br>B/W : 0.01 lux (F1.4, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR<br>Color : 0.02 lux (F1.4, 1/1 sec, 50 IRE, AGC On)<br>B/W : 0.002 lux (F1.4, 1/1 sec, 50 IRE, AGC On)<br>0 lux with IR | Color : 0.05 lux (F1.6, 1/30 sec, 50 IRE, AGC On)/<br>W : 0.01 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>0 lux with IR |
| White balance                | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |  |
| AGC                          | Auto / Manual   |  |
| S / N ratio                  | ≥ 52dB  |  |
| Digital noise Reduction      | 3D DNR  |  |
| Backlight compensation       | HLC/BLC   |  |
| Defog                        | Support   |  |
| Wide dynamic range           | Digital WDR   |  |
| Shutter speed                | 1 ~ 1/10,000s   |  |
| Day & Night                  | IR Cut Filter   |  |
| Digital zoom                 | 16X   |  |
| Privacy masking              | 2 privacy masks programmable  |  |
| Focus mode                   | Auto / Semiautomatic / Manual   |  |
| <b>Lens</b>                  |   |  |
| Focal length                 | 4.7 ~ 94.0mm, 20x   | 4.3 ~ 129mm, 30x   |
| Zoom speed                   | Approx 3s(Optical Wide-Tele)  |  |
| Angle of view                | 58.3 ~ 3.2 degree (Wide-Tele)   | 58.9 ~ 2.11 degree (Wide-Tele)   |
| Min. working distance        | 10 ~ 1,000mm(Wide-Tele)   | 10 ~ 1,500mm(Wide-Tele)  |
| Aperture range               | F1.4 ~ F3.5   | F1.6 ~ F5.0  |
| <b>Pan and Tilt</b>          |   |  |
| Pan / Tilt range             | Pan: 360° endless; Tilt: -15° ~ 90° (Auto Flip)   |  |
| Pan / Tilt speed             | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s  |  |
| Proportional zoom            | Rotation speed can be adjusted automatically according to zoom multiples  |  |
| Number of preset             | 300   |  |
| Park action                  | Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan   |  |
| Patrol                       | 8 patrols, up to 32 presets per patrol  |  |
| Power-off memory             | Support   |  |
| PTZ position display         | Support   |  |
| Preset freezing              | Support   |  |
| Scheduled task               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Aux Output   |  |
| <b>Infrared</b>              |   |  |
| IR distance                  | Up to 120m  |  |
| IR intensity                 | Automatically adjusted, depending on the zoom ratio   |  |
| <b>Local Video&amp;Audio</b> |   |  |
| Audio input                  | 1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%  |  |
| Audio output                 | 1 Audio output interface, Line level, impedance: 600Ω   |  |
| Alarm Input                  | 2 (0-5v DC)   |  |
| Alarm Output                 | 1 relay output, alarm response actions configurable   |  |
| Alarm Trigger                | Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |  |
| Alarm Actions                | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage  |  |
| <b>Network</b>               |   |  |
| Ethernet                     | 10Base-T / 100Base-TX, RJ45 connector   |  |
| Max. image resolution        | 1280×960  |  |
| Frame rate                   | 50Hz:25fps(1280×960), 25fps (1280×720)<br>60Hz:30fps(1280×960), 30fps (1280×720)  |  |
| Image compression            | H.264/MJPEG   |  |
| ROI encoding                 | Support 2 areas with adjustable levels  |  |
| Audio compression            | G.711/G.722/G.726/MP2L2   |  |
| Protocols                    | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |  |
| Simultaneous live view       | Up to 20  |  |
| Streams                      | Dual streams  |  |
| Mini SD memory card          | Micro SD Slot, up to 64GB, edge recording   |  |
| User/Host level              | Up to 32 users, 3 Levels: Administrator, Operator, User   |  |
| Security measures            | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |  |
| <b>Integration</b>           |   |  |
| Application programming      | Open-ended API, support ONVIF, PSIA, CGI and Genetec, Support ezviz cloud P2P   |  |
| Web browser                  | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+   |  |
| <b>General</b>               |   |  |
| Power                        | -A: 24 VAC, max. 30W; -AE: High-PoE & 24 VAC, max. 30W  |  |
| Working temperature          | -30°C ~ 65°C(-22°F ~ 149°F)   |  |
| Humidity                     | 90% or less   |  |
| Protection level             | IP66; TVS 4,000V lightning protection, surge protection and voltage transient protection  |  |
| Dimensions                   | Φ220 × 353.4mm (Φ8.66" × 13.91")  |  |
| Weight                       | 4.5kg(9.92lbs)  |  |
| Mount option                 | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ  |  |

# DS-2DE5186/84-A(E/E3)

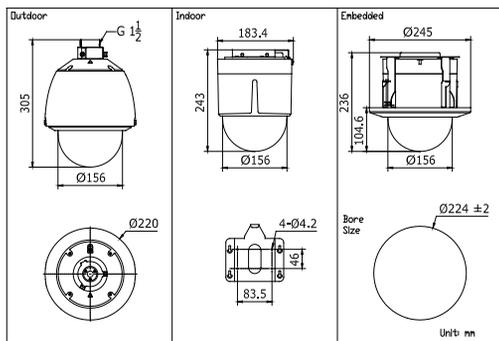
## 2MP Network PTZ Dome Camera



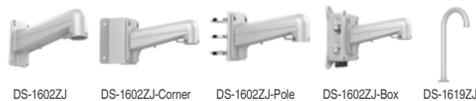
### Key features

- 1/2.8" Progressive Scan CMOS
- 1080P Full HD resolution
- 30X / 20X optical zoom, 16X digital zoom
- True Day/Night, 3D DNR, Digital WDR
- 3D intelligent positioning
- 24VAC / PoE+ power supply

### Dimensions



### Accessories



### Available models

DS-2DE5186-A: 24VAC, outdoor  
 DS-2DE5186-AE: PoE+ & 24VAC, outdoor  
 DS-2DE5186-A3: 24VAC, indoor  
 DS-2DE5186-AE3: PoE+ & 24VAC, indoor

DS-2DE5184-A: 24VAC, outdoor  
 DS-2DE5184-AE: PoE+ & 24VAC, outdoor  
 DS-2DE5184-A3: 24VAC, indoor  
 DS-2DE5184-AE3: PoE+ & 24VAC, indoor

|                                   | DS-2DE5184-A(3)<br>DS-2DE5184-AE(3)   | DS-2DE5186-A(3)<br>DS-2DE5186-AE(3) |
|-----------------------------------|---|-------------------------------------|
| <b>Camera</b>                     |   |                                     |
| Image sensor                      | 1/2.8" Progressive Scan CMOS  |                                     |
| Effective pixel                   | 2230K pixels  |                                     |
| Min. illumination                 | Color : 0.05 lux (F1.6, 1/30 sec, 50 IRE, AGC On); B/W : 0.01 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On); B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On) |                                     |
| White balance                     | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp  |                                     |
| AGC                               | Auto / Manual   |                                     |
| S / N ratio                       | ≥ 52dB  |                                     |
| Digital noise Reduction           | 3D DNR  |                                     |
| Backlight compensation            | HLC/BLC   |                                     |
| Wide dynamic range                | Digital WDR   |                                     |
| Defog                             | Support   |                                     |
| Shutter speed                     | 1 ~1/10,000s  |                                     |
| Day & Night                       | IR Cut Filter   |                                     |
| Digital zoom                      | 16X   |                                     |
| Privacy masking                   | 2 privacy masks programmable  |                                     |
| Focus mode                        | Auto / Semiautomatic / Manual   |                                     |
| <b>Lens</b>                       |   |                                     |
| Focal length                      | 4.7 ~ 94mm, 20x   | 4.3 ~129mm, 30x                     |
| Zoom speed                        | Approx 3s(Optical Wide-Tele)  |                                     |
| Angle of view                     | 58.3 ~3.2 degree (Wide-Tele)  | 65.1 ~2.34 degree (Wide-Tele)       |
| Min. working distance             | 10 ~1000mm(Wide-Tele)   | 10 ~1500mm(Wide-Tele)               |
| Aperture range                    | F1.6 ~ F3.5   | F1.6 ~ F5.0                         |
| <b>Pan and Tilt</b>               |   |                                     |
| Pan / Tilt range                  | Pan: 360° endless;Tilt: -5° ~90°(Auto Flip)   |                                     |
| Pan / Tilt speed                  | Pan Manual Speed: 0.1° ~250°/s, Pan Preset Speed: 300°/s<br>Tilt Manual Speed: 0.1° ~150°/s, Tilt Preset Speed: 200°/s  |                                     |
| Proportional zoom                 | Rotation speed can be adjusted automatically according to zoom multiples  |                                     |
| Number of preset                  | 300   |                                     |
| Park action                       | Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan   |                                     |
| Patrol                            | 8 patrols, up to 32 presets per patrol  |                                     |
| Power-off memory                  | Support   |                                     |
| PTZ position display              | Support   |                                     |
| Preset freezing                   | Support   |                                     |
| Scheduled task                    | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Aux Output   |                                     |
| <b>Input/ Output</b>              |   |                                     |
| Audio Input                       | 1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%  |                                     |
| Audio Output                      | 1 Audio output interface, Line level, impedance: 600Ω   |                                     |
| <b>Network</b>                    |   |                                     |
| Ethernet                          | 10Base-T / 100Base-TX, RJ45 connector   |                                     |
| Max. Image Resolution             | 1920×1080   |                                     |
| Frame Rate                        | 50Hz: 25 fps (1920×1080), 25 fps (1280×960) , 25 fps (1280×720)<br>60Hz: 30 fps (1920×1080), 30 fps (1280×960) , 30 fps (1280×720)  |                                     |
| Image Compression                 | H.264/MJPEG   |                                     |
| Audio Compression                 | G.711/G.722/G.726/MP2L2   |                                     |
| Protocols                         | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP,IGMP, ICMP, DHCP, PPPoE   |                                     |
| Simultaneous Live View            | Up to 20  |                                     |
| Streams                           | Dual streams  |                                     |
| Mini SD Memory Card               | Micro SD Slot, up to 64GB, edge recording   |                                     |
| User/Host Level                   | Up to 32 users, 3 Levels: Administrator, Operator, User   |                                     |
| Security Measures                 | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |                                     |
| <b>Integration</b>                |   |                                     |
| Application programming           | Open-ended API, support Onvif, PSIA, CGI and Genetec; Support ezviz cloud P2P   |                                     |
| Web Browser                       | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+   |                                     |
| <b>General</b>                    |   |                                     |
| Power                             | 24 VAC(-A model); 24 VAC/PoE+(-AE/AE3 model)<br>Max. 22W (Heater On); Max. 14W(Heater Off)  |                                     |
| Working Temperature               | -A(E): -30°C ~ 65°C(-22°F ~ 149°F);<br>-A(E)3: -10°C ~ 50°C(14°F ~ 122°F)   |                                     |
| Humidity                          | 90% or less   |                                     |
| Protection Level                  | IP66 (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection<br>IK10 (optional)  |                                     |
| Impact Protection                 | Outdoor: IEC60068-275Eh, 20J; EN50102, up to IK10<br>Indoor: IEC60068-275Eh, 10J; EN50102, up to IK09   |                                     |
| Dimensions                        | Φ220×305mm (Φ8.66"×12.02")(Outdoor)<br>Φ183.4×243mm(Φ7.22"×9.56") (Ceiling)<br>Φ245×236mm(Φ9.65"×9.29") (In-ceiling)  |                                     |
| Weight (approx.)                  | 3Kg (6.61lbs)   |                                     |
| Mount Option (for outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ  |                                     |

NOTE: Indoor models support ceiling and in-ceiling mount.

# DS-2DE5176/74(E/E3)

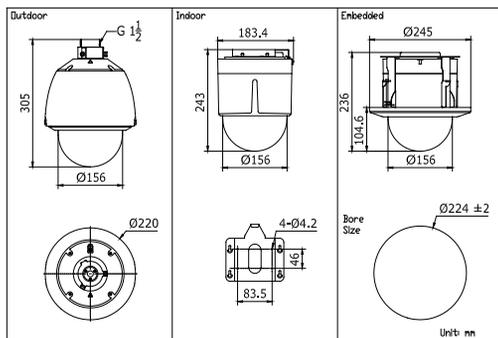
## 1.3MP Network PTZ Dome Camera



### Key features

- 1/3" Progressive Scan CMOS
- 1280 × 960 HD resolution
- 30X / 20X optical zoom, 16X digital zoom
- True Day/Night, 3D DNR, Digital WDR
- 3D intelligent positioning
- 24VAC / PoE+ power supply

### Dimensions



### Accessories



### Available models

DS-2DE5176-A: 24VAC, outdoor  
 DS-2DE5176-AE: PoE+ & 24VAC, outdoor  
 DS-2DE5176-A3: 24VAC, indoor  
 DS-2DE5176-AE3: PoE+ & 24VAC, indoor

DS-2DE5174-A: 24VAC, outdoor  
 DS-2DE5174-AE: PoE+ & 24VAC, outdoor  
 DS-2DE5174-A3: 24VAC, indoor  
 DS-2DE5174-AE3: PoE+ & 24VAC, indoor

|                                   | DS-2DE5176-A(3)<br>DS-2DE5176-AE(3)   | DS-2DE5174-A(3)<br>DS-2DE5174-AE(3) |
|-----------------------------------|---|-------------------------------------|
| <b>Camera</b>                     |   |                                     |
| Image sensor                      | 1/3" Progressive Scan CMOS  |                                     |
| Effective pixel                   | 1320K pixels  |                                     |
| Min. illumination                 | Color : 0.05 lux (F1.6, 1/30 sec, 50 IRE, AGC On); B/W : 0.01 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On); B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)   |                                     |
| White balance                     | Auto / Manual / ATW / Indoor / Outdoor / Daylight lamp / Sodium lamp  |                                     |
| AGC                               | Auto / Manual   |                                     |
| S / N ratio                       | ≥ 52dB  |                                     |
| Digital noise Reduction           | 3D DNR  |                                     |
| Backlight compensation            | HLC/BLC   |                                     |
| Wide dynamic range                | Digital WDR   |                                     |
| Defog                             | Support   |                                     |
| Shutter speed                     | 1 ~ 1/10,000s   |                                     |
| Day & Night                       | IR Cut Filter   |                                     |
| Digital zoom                      | 16X   |                                     |
| Privacy masking                   | 2 privacy masks programmable  |                                     |
| Focus mode                        | Auto / Semiautomatic / Manual   |                                     |
| <b>Lens</b>                       |   |                                     |
| Focal length                      | 4.3 ~ 129mm, 30x  | 4.7 ~ 94.0mm, 20x                   |
| Zoom speed                        | Approx.3s(Optical Wide-Tele)  |                                     |
| Angle of view                     | 58.9 ~ 2.11degree (Wide-Tele)   | 58.3 ~ 3.2 degree (Wide-Tele)       |
| Min. working distance             | 10 ~ 1,500mm(Wide-Tele)   | 10 ~ 1,000mm(Wide-Tele)             |
| Aperture range                    | F1.6 ~ F5.0   | F1.4 ~ F3.5                         |
| <b>Pan and Tilt</b>               |   |                                     |
| Pan / Tilt range                  | Pan: 360° endless; Tilt: -5° ~ 90° (Auto Flip)  |                                     |
| Pan / Tilt speed                  | Pan Manual Speed: 0.1° ~ 250°/s, Pan Preset Speed: 300°/s<br>Tilt Manual Speed: 0.1° ~ 150°/s, Tilt Preset Speed: 200°/s  |                                     |
| Proportional zoom                 | Rotation speed can be adjusted automatically according to zoom multiples  |                                     |
| Number of preset                  | 300   |                                     |
| Park action                       | Pattern/Pan scan/Tilt scan/Frame scan/Panorama scan/Random scan   |                                     |
| Patrol                            | 8 patrols, up to 32 presets per patrol  |                                     |
| Power-off memory                  | Support   |                                     |
| PTZ position display              | Support   |                                     |
| Preset freezing                   | Support   |                                     |
| Scheduled task                    | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Aux Output   |                                     |
| <b>Input/ Output</b>              |   |                                     |
| Audio Input                       | 1 Mic in/Line in interface, Line input: 2 ~ 2.4V[p-p]; output impedance: 1KΩ, ±10%  |                                     |
| Audio Output                      | 1 Audio output interface, Line level, impedance: 600Ω   |                                     |
| Alarm Input                       | 2 (0-5v DC)   |                                     |
| Alarm Output                      | 1 relay output, alarm response actions configurable   |                                     |
| Alarm Trigger                     | Intrusion detection, Line crossing detection, Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |                                     |
| Alarm Actions                     | Preset, Patrol, Pattern, Recording, Relay output, Upload center, upload FTP, email linkage  |                                     |
| <b>Network</b>                    |   |                                     |
| Ethernet                          | 10Base-T / 100Base-TX, RJ45 connector   |                                     |
| Max. Image Resolution             | 1280×960  |                                     |
| Frame Rate                        | 50Hz: 25 fps (1280×960), 25 fps (1280×720)<br>60Hz: 30 fps (1280×960), 30 fps (1280×720)  |                                     |
| Image Compression                 | H.264/MJPEG   |                                     |
| ROI encoding                      | Support 2 areas with adjustable levels  |                                     |
| Audio Compression                 | G.711/G.722/G.726/MP2L2   |                                     |
| Protocols                         | IPv4/IPv6, HTTP, HTTPS, 802.1x, Qos, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTP, TCP, UDP, IGMP, ICMP, DHCP, PPPoE  |                                     |
| Simultaneous Live View            | Up to 20  |                                     |
| Streams                           | Dual streams  |                                     |
| SD Memory Card                    | Micro SD Slot, up to 64GB, edge recording   |                                     |
| User/Host Level                   | Up to 32 users, 3 Levels: Administrator, Operator, User   |                                     |
| Security Measures                 | User authentication (ID and PW), Host authentication (MAC address), IP address filtering  |                                     |
| <b>Integration</b>                |   |                                     |
| Application programming           | Open-ended API, support Onvif, PSIA, CGI and Genetec; Support ezviz cloud P2P   |                                     |
| Web Browser                       | IE 7+, Chrome 18+, Firefox 5.0+, Safari 5.02+   |                                     |
| <b>General</b>                    |   |                                     |
| Power                             | 24 VAC(-A model); 24 VAC/PoE+(-AE model)<br>Max. 22W (Heater On)<br>Max. 14W(Heater Off)  |                                     |
| Working Temperature               | -A(E): -30°C ~ 65°C(-22°F ~ 149°F);<br>-A(E)3: -10°C ~ 50°C(14°F ~ 122°F)   |                                     |
| Humidity                          | 90% or less   |                                     |
| Protection Level                  | IOutdoor: IEC60068-275Eh, 20J; EN50102, up to IK10;<br>Indoor: IEC60068-275Eh, 10J; EN50102, up to IK09<br>Φ220×305mm (Φ8.66"×12.02") (Outdoor)<br>Φ183.4×243mm (Φ7.22"×9.56") (indoor in-celling)<br>Φ245×236mm (Φ9.65"×9.29") (indoor in-ceiling) |                                     |
| Dimensions                        |   |                                     |
| Weight (approx.)                  | 3Kg (6.61lbs)   |                                     |
| Mount Option (for outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ  |                                     |

NOTE: Indoor models support ceiling and in-ceiling mount.

# DS-2AE5123TI-A

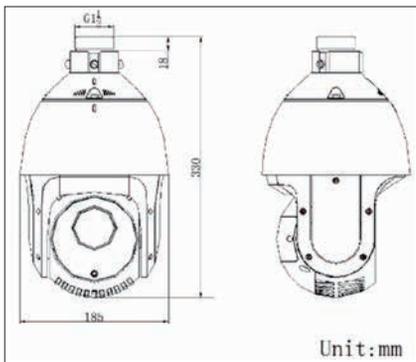
## 1MP 23X HD-TVI IR PTZ Dome Camera



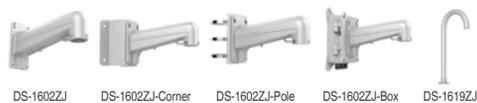
### Key features

- 1/3" HD CMOS sensor
- 1280\*720, 23X Optical Zoom
- RS-485 communication diagnosis
- UTC (Up the Coax) function
- 150m IR distance

### Dimensions



### Accessories



### Available models

DS-2AE5123TI-A, 24VAC, outdoor

| DS-2AE5123TI-A                 |  |
|--------------------------------|--|
| <b>Camera Module</b>           |  |
| Image Sensor                   | 1/3" CMOS  |
| Frame Rate                     | 50Hz:25fps(1280×720), 50fps (1280×720)<br>60Hz:30fps(1280×720), 60fps (1280×720)   |
| Min. Illumination              | F1.4, AGC On: Color: 0.05lux, B/W: 0.005lux  |
| Max. Image Resolution          | 1280×720   |
| Focal Length                   | 4-92mm, 23x  |
| Digital Zoom                   | 16X  |
| Zoom Speed                     | Approx.3.0s(Optical Wide-Tele)   |
| Angle of View                  | 49-2.2 degree (Wide-Tele)  |
| Min. Working Distance          | 10-1000mm(Wide-Tele)   |
| Aperture Range                 | F1.4-F3.5  |
| Focus Mode                     | Auto / Semiautomatic / Manual  |
| WDR                            | Support  |
| S / N Ratio                    | ≥ 50dB   |
| Shutter Time                   | 50Hz: 1~1/10,000s; 60Hz: 1~1/10,000s   |
| AGC                            | Auto / Manual  |
| White Balance                  | Auto / Manual /ATW/Indoor/Outdoor  |
| Day & Night                    | IR Cut Filter  |
| Privacy Mask                   | 8 privacy masks programmable; optional multiple colors and mosaics   |
| Enhancement                    | 3D DNR, BLC  |
| <b>Pan and Tilt</b>            |  |
| Range                          | Pan:360° endless; Tilt: -15°-90°(Auto Flip)  |
| Speed                          | Pan Manual Speed: 0.1°-400°/s, Pan Preset Speed: 400°/s<br>Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s                                 |
| Number of Preset               | 256  |
| Patrol                         | 8 patrols, up to 32 presets per patrol   |
| Pattern                        | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Proportional Zoom              | Rotation speed can be adjusted automatically according to zoom multiples   |
| Power-off Memory               | Support  |
| Park Action                    | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| PTZ Position Display           | On / Off   |
| Preset Freezing                | Support  |
| Scheduled Task                 | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| RS-485 communication diagnosis | Support  |
| <b>Infrared</b>                |  |
| IR Distance                    | Up to 150m   |
| IR Intensity                   | Automatically adjusted, depending on the zoom ratio  |
| <b>Input/Output</b>            |  |
| Turbo HD Output                | 1 turbo HD720p output, BNC   |
| CVBS Output                    | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC, support dual-output   |
| UTC function                   | HIKVISION_C  |
| Alarm Input                    | 2  |
| Alarm Output                   | 1  |
| <b>System Integration</b>      |  |
| Menu Language                  | English, Chinese   |
| RS-485 Protocols               | Half-duplex mode<br>Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol   |
| Power                          | 24 VAC, Max. 20W (Heater On), Max. 12W(Heater Off)   |
| Working Temperature            | -30°C ~ 65°C (-22°F ~ 149°F)   |
| Humidity                       | 90% or less  |
| Protection Level               | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection   |
| Certification                  | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1  |
| Dimensions                     | Φ185mm×330(mm) (Φ7.28"×12.99")   |
| Weight (approx.)               | 4kg (8.81lbs)  |
| Mount Option                   | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |

# DS-2AE4123T-A

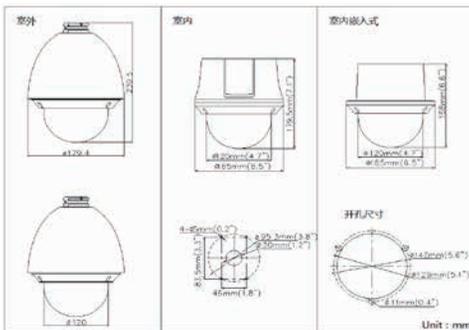
## 1MP 23X HD-TVI PTZ Dome Camera



### Key features

- 1/3" HD CMOS sensor
- 1280\*720, 23X Optical Zoom
- RS-485 communication diagnosis
- UTC (Up the Coax) function

### Dimensions



### Accessories



### Available models

DS-2AE4123T-A, 24VAC, outdoor

| DS-2AE4123T-A                  |  |
|--------------------------------|--|
| <b>Camera Module</b>           |  |
| Image Sensor                   | 1/3" CMOS  |
| Resolution                     | 50Hz: 50fps(1280×720), 25fps(1280×720)<br>60Hz: 60fps(1280×720), 30fps(1280×720)   |
| Min. Illumination              | F1.4, AGC On: Color: 0.05lux, B/W: 0.005lux  |
| Max. Image Resolution          | 1280×720   |
| Focal Length                   | 4-92mm, 23x  |
| Digital Zoom                   | 16X  |
| Zoom Speed                     | Approx.4.0s(Optical Wide-Tele)   |
| Angle of View                  | 49-2.2 degree (Wide-Tele)  |
| Min. Working Distance          | 10-1000mm(Wide-Tele)   |
| Aperture Range                 | F1.4-F3.5  |
| Focus Mode                     | Auto / Semiautomatic / Manual  |
| WDR                            | Support  |
| S / N Ratio                    | ≥ 50dB   |
| Shutter Time                   | 50Hz: 1~1/10,000s; 60Hz: 1~1/10,000s   |
| AGC                            | Auto / Manual  |
| White Balance                  | Auto / Manual /ATW/Indoor/Outdoor  |
| Day & Night                    | IR Cut Filter  |
| Privacy Mask                   | 8 privacy masks programmable; optional multiple colors and mosaics   |
| Enhancement                    | 3D DNR, EIS, BLC   |
| <b>Pan and Tilt</b>            |  |
| Range                          | Pan:360° endless; Tilt: -5~90°(Auto Flip)  |
| Speed                          | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 160°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 120°/s                                 |
| Number of Preset               | 256  |
| Patrol                         | 8 patrols, up to 32 presets per patrol   |
| Pattern                        | 4 patterns, with the recording time not less than 10 minutes per pattern   |
| Park Action                    | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| Scheduled Task                 | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |
| RS-485 communication diagnosis | Support  |
| <b>Input/Output</b>            |  |
| Monitor Output                 | 1HD TVI output (1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC, support dual-output)  |
| UTC function                   | HIKVISION_C (*Need UTC controller if DVR don't support UTC function)   |
| <b>System Integration</b>      |  |
| Menu Language                  | English, Chinese   |
| RS-485 Protocols               | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |
| Power                          | 24 VAC, Max. 18W(heater: 6W)   |
| Working Temperature            | -30°C ~ 65°C (-22°F ~ 149°F)   |
| Humidity                       | 90% or less  |
| Protection Level               | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection   |
| Certification                  | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1  |
| Dimensions                     | Φ179.4(mm)×239.5(mm) (Φ7.06"×9.43")  |
| Weight (approx.)               | 2kg (4.41lbs)  |
| Mount Option                   | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

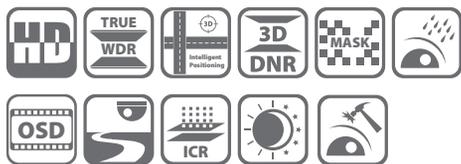
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2AE7230TI-A

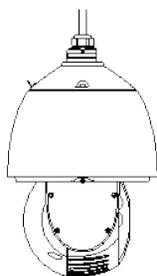
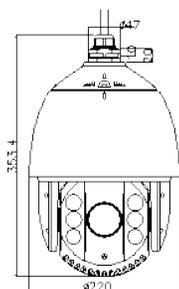
## 1080P Analog IR PTZ Dome Camera



### Key features

- 2MP CMOS Image Sensor
- Full HD1080P Video Output
- 30X optical zoom, 16X digital zoom
- Up the Coax function
- Privacy Masking, 3D DNR
- 3D intelligent positioning
- Up to 120m IR distance

### Dimensions



Unit: mm

### Accessories



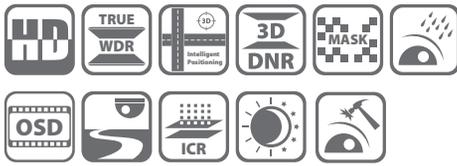
### Available models

DS-2AE7230TI-A, 24VAC, outdoor

| DS-2AE7230TI-A                                |  |
|---|--|
| <b>Camera</b>                                 |  |
| Image Sensor                                  | 1 / 3" CMOS  |
| Effective Pixel                               | Max. Image Resolution: 1280(H) × 720(V)  |
| Signal System                                 | PAL / NTSC   |
| Min. Illumination                             | Color: 0.02Lux@(F1.6,AGC ON) B/W: 0.002Lux@(F1.6,AGC ON)<br>0 lux with IR  |
| White Balance                                 | Auto / Manual / ATW / Indoor / Outdoor   |
| AGC   | Auto / Manual  |
| S / N Ratio                                   | ≥ 50dB   |
| 3D DNR  | Support  |
| Backlight Compensation                        | Support  |
| Shutter Time                                  | PAL: 1-1 / 10,000s ; NTSC: 1-1 / 10,000s   |
| Day & Night                                   | IR Cut Filter  |
| Digital Zoom                                  | 16x  |
| Privacy Mask                                  | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen   |
| Focus Model                                   | Auto / Semiautomatic / Manual  |
| <b>Lens</b>                                   |  |
| Focal Length                                  | 4-120mm, 30X   |
| Zoom Speed                                    | Approx.3.0s(Optical Wide-Tele)   |
| Angle of View                                 | 65.1-2.34 degree(Wide-Tele)  |
| Min. Working Distance                         | 10-1500mm (Wide-Tele)  |
| Aperture                                      | F1.6-F4.4  |
| <b>Pan and Tilt</b>                           |  |
| Pan Range                                     | 360° endless   |
| Pan Speed                                     | Pan Manual Speed: 0.1°-160° / s; Pan Preset Speed: 240° / s  |
| Tilt Range                                    | -15°-90° (Auto Flip)   |
| Tilt Speed                                    | Tilt Manual Speed: 0.1°-120° / s; Tilt Preset Speed: 200° / s  |
| Proportional Zoom                             | Rotation speed can be adjusted automatically according to zoom multiples   |
| Number of Preset                              | 256  |
| Patrol  | 8 patrols, up to 32 presets per patrol   |
| Pattern                                       | 4 patterns, with the total recording time not less than 10 minutes   |
| Power-off Memory                              | Support  |
| Park Action                                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| PTZ Position Display                          | On / Off   |
| Preset Freezing                               | Support  |
| Scheduled Task                                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| RS-485 communication diagnosis                | Support  |
| <b>Infrared</b>                               |  |
| IR Distance                                   | 120m   |
| IR Intensity                                  | Automatically adjusted, depending on the zoom ratio  |
| <b>Input / Output</b>                         |  |
| Monitor Output                                | 1 turbo HD1080p output   |
| RS-485 Interface                              | Half-duplex mode; Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol   |
| UTC function                                  | Self-adaptive PELCO_C, HIKVISION_C(need UTC controller)  |
| <b>General</b>                                |  |
| Menu Language                                 | English, Chinese   |
| Power   | 24VAC(for -A model); 12VDC(for -D model)   |
| Working Temperature / Humidity                | -30 °C-65°C(-22°F-149°F)(outdoor dome)<br>90% or less  |
| Protection Level                              | IP66 standard (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection                                     |
| Mounting                                      | Various mounting modes optional  |
| Dimensions                                    | φ220×353.4mm (φ8.66"×13.91")(Outdoor)  |
| Weight (approx.)                              | 4.5kg(9.92 lbs)  |
| Mount Option (only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ |

# DS-2AE7123TI-A

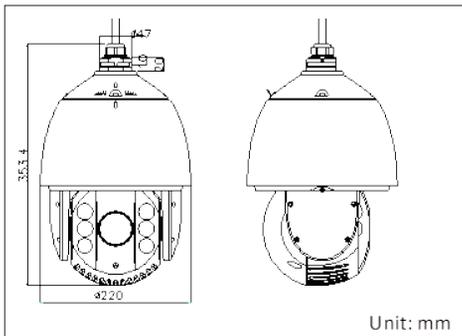
## 720P Analog IR PTZ Dome Camera



### Key features

- 1.3MP CMOS Image Sensor
- 720P Video Output
- 23X optical zoom, 16X digital zoom
- Up the Coax function
- Privacy Masking, 3D DNR
- 3D intelligent positioning
- Up to 120m IR distance

### Dimensions



### Accessories



### Available models

DS-2AE7123TI-A, 24VAC, outdoor

| DS-2AE7123TI-A                                |  |
|---|--|
| <b>Camera</b>                                 |  |
| Image Sensor                                  | 1 / 3" CMOS  |
| Effective Pixel                               | Max. Image Resolution: 1280(H) × 720(V)  |
| Signal System                                 | PAL / NTSC   |
| Min. Illumination                             | Color: 0.02Lux@(F1.6,AGC ON) B/W: 0.002Lux@(F1.6,AGC ON)<br>0 lux with IR  |
| White Balance                                 | Auto / Manual / ATW / Indoor / Outdoor   |
| AGC   | Auto / Manual  |
| S / N Ratio                                   | ≥ 50dB   |
| 3D DNR  | Support  |
| Backlight Compensation                        | Support  |
| Shutter Time                                  | PAL: 1-1 / 10,000s ; NTSC: 1-1 / 10,000s   |
| Day & Night                                   | IR Cut Filter  |
| Digital Zoom                                  | 16x  |
| Privacy Mask                                  | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen   |
| Focus Model                                   | Auto / Semiautomatic / Manual  |
| <b>Lens</b>                                   |  |
| Focal Length                                  | 4-92mm, 23X  |
| Zoom Speed                                    | Approx.3.0s(Optical Wide-Tele)   |
| Angle of View                                 | 49-2.2 degree(Wide-Tele)   |
| Min. Working Distance                         | 10-1000mm (Wide-Tele)  |
| Aperture                                      | F1.6-F3.7  |
| <b>Pan and Tilt</b>                           |  |
| Pan Range                                     | 360° endless   |
| Pan Speed                                     | Pan Manual Speed: 0.1°-160° / s; Pan Preset Speed: 240° / s  |
| Tilt Range                                    | -15°-90° (Auto Flip )  |
| Tilt Speed                                    | Tilt Manual Speed: 0.1°-120° / s; Tilt Preset Speed: 200° / s  |
| Proportional Zoom                             | Rotation speed can be adjusted automatically according to zoom multiples   |
| Number of Preset                              | 256  |
| Patrol  | 8 patrols, up to 32 presets per patrol   |
| Pattern                                       | 4 patterns, with the total recording time not less than 10 minutes   |
| Power-off Memory                              | Support  |
| Park Action                                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| PTZ Position Display                          | On / Off   |
| Preset Freezing                               | Support  |
| Scheduled Task                                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| RS-485 communication diagnosis                | Support  |
| <b>Infrared</b>                               |  |
| IR Distance                                   | 120m   |
| IR Intensity                                  | Automatically adjusted, depending on the zoom ratio  |
| <b>Input / Output</b>                         |  |
| Monitor Output                                | 1 turbo HD720p output  |
| RS-485 Interface                              | Half-duplex mode; Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol   |
| UTC function                                  | Self-adaptive PELCO_C, HIKVISION_C(need UTC controller)  |
| <b>General</b>                                |  |
| Menu Language                                 | English, Chinese   |
| Power   | 24VAC(for -A moel)<br>Max. 30W(IR: 9W, Heater: 6W)   |
| Working Temperature / Humidity                | -30 °C-65°C(-22°F-149°F)(outdoor dome) / -10°C-50°C(14°F-122°F)(indoor dome)<br>90% or less  |
| Protection Level                              | IP66 standard (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection                                   |
| Mounting                                      | Various mounting modes optional  |
| Dimensions                                    | φ220×353.4mm (φ8.66"×13.91")(Outdoor)  |
| Weight (approx.)                              | 4.5kg(9.92 lbs)  |
| Mount Option (only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2AE5230T-A(3)

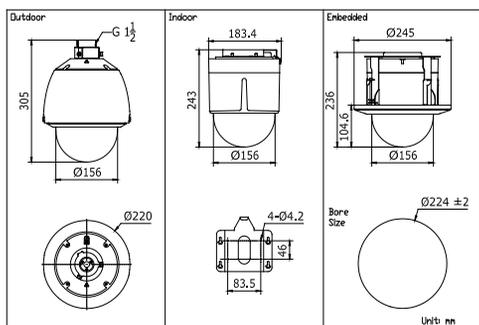
## 1080P Analog PTZ Dome Camera



### Key features

- 2MP CMOS Image Sensor
- Full HD 1080P Video Output
- 30X optical zoom, 16X digital zoom
- Up the Coax function
- Privacy Masking, 3D DNR
- 3D intelligent positioning

### Dimensions



### Accessories



### Available models

DS-2AE5230T-A, 24VAC, outdoor  
DS-2AE5230T-A3, 24VAC, indoor

| DS-2AE5230T-A(3)                              |  |
|---|--|
| <b>Camera</b>                                 |  |
| Image Sensor                                  | 1 / 3" CMOS  |
| Effective Pixel                               | Max. Image Resolution: 1920(H) × 1080(v)   |
| Max. Image Resolution                         | 1920(H) × 1080(v)  |
| Signal System                                 | PAL / NTSC   |
| Min. Illumination                             | Color: 0.02Lux@ (F1.6,AGC ON) B/W: 0.002Lux@ (F1.6,AGC ON)   |
| White Balance                                 | Auto / Manual / ATW / Indoor / Outdoor   |
| AGC   | Auto / Manual  |
| S / N Ratio                                   | ≥ 50dB   |
| 3D DNR  | Support  |
| Backlight Compensation                        | Support  |
| Shutter Time                                  | PAL: 1-1 / 10,000s ; NTSC: 1-1 / 10,000s   |
| Day & Night                                   | IR Cut Filter  |
| Digital Zoom                                  | 16x  |
| Privacy Mask                                  | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen   |
| Focus Model                                   | Auto / Semiautomatic / Manual  |
| <b>Lens</b>                                   |  |
| Focal Length                                  | 4-120mm, 30X   |
| Zoom Speed                                    | Approx.3.0s(Optical Wide-Tele)   |
| Angle of View                                 | 58-1.7 degree(Wide-Tele)   |
| Min. Working Distance                         | 10-1500mm (Wide-Tele)  |
| Aperture                                      | F1.6-F4.4  |
| <b>Pan and Tilt</b>                           |  |
| Pan Range                                     | 360° endless   |
| Pan Speed                                     | Pan Manual Speed: 0.1°-250° / s.; Pan Preset Speed: 300° / s   |
| Tilt Range                                    | -5°-90° (Auto Flip )   |
| Tilt Speed                                    | Tilt Manual Speed: 0.1°-150° / s.; Tilt Preset Speed: 200° / s   |
| Proportional Zoom                             | Rotation speed can be adjusted automatically according to zoom multiples   |
| Number of Preset                              | 256  |
| Patrol  | 8 patrols, up to 32 presets per patrol   |
| Pattern                                       | 4 patterns, with the total recording time not less than 10 minutes   |
| Power-off Memory                              | Support  |
| Park Action                                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| PTZ Position Display                          | On / Off   |
| Preset Freezing                               | Support  |
| Scheduled Task                                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| RS-485 communication diagnosis                | Support  |
| <b>Input / Output</b>                         |  |
| Monitor Output                                | 1 turbo HD1080p output; 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC  |
| RS-485 Interface                              | Half-duplex mode; Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol   |
| UTC function                                  | Self-adaptive PELCO_C, HIKVISION_C(need UTC controller)  |
| <b>General</b>                                |  |
| Menu Language                                 | English, Chinese   |
| Power   | 24VAC; Outdoor dome: Max. 20W (Heater On), Max. 12W(Heater Off); Indoor dome: Max.12W  |
| Working Temperature / Humidity                | -30 °C-65°C(-22°F-149°F)(outdoor dome) / -10°C-50°C(14°F-122°F)(indoor dome )<br>90% or less   |
| Protection Level                              | IP66 standard (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection                                   |
| Mounting                                      | Various mounting modes optional  |
| Impact Protection                             | Outdoor: IEC60068-275Eh, 20J; EN50102, up to IK10<br>Indoor: IEC60068-275Eh, 10J; EN50102, up to IK09  |
| Dimensions                                    | φ220×305mm (φ8.66"×12.00")(Outdoor); φ183.4×243mm(φ7.22"×9.56") (Indoor)<br>φ245×236mm(φ9.65"×9.29") (In-ceiling)                                    |
| Weight (approx.)                              | 3Kg (6.61 lbs)   |
| Mount Option (only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |

# DS-2AE5123T-A(3)

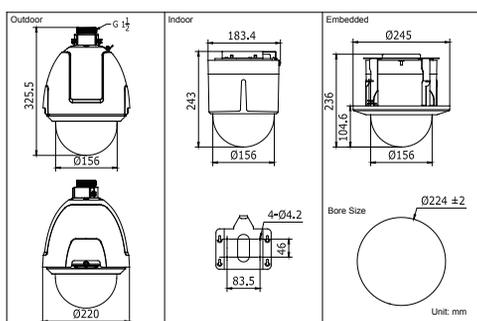
## 720P Analog PTZ Dome Camera



### Key features

- 1.3MP CMOS Image Sensor
- 720P Video Output
- 23X optical zoom, 16X digital zoom
- Up the Coax function
- Privacy Masking, 3D DNR
- 3D intelligent positioning

### Dimensions



### Accessories



### Available models

DS-2AE5123T-A, 24VAC, outdoor  
DS-2AE5123T-A3, 24VAC, indoor

| DS-2AE5123T-A(3)                              |  |
|---|--|
| <b>Camera</b>                                 |  |
| Image Sensor                                  | 1 / 3" CMOS  |
| Effective Pixel                               | Max. Image Resolution: 1280(H) × 720(v)  |
| Signal System                                 | PAL / NTSC   |
| Min. Illumination                             | Color: 0.02Lux@(F1.6,AGC ON) B/W: 0.002Lux@(F1.6,AGC ON)   |
| White Balance                                 | Auto / Manual / ATW / Indoor / Outdoor   |
| AGC   | Auto / Manual  |
| S / N Ratio                                   | ≥ 50dB   |
| 3D DNR  | Support  |
| Backlight Compensation                        | Support  |
| Shutter Time                                  | PAL: 1-1 / 10,000s ; NTSC: 1-1 / 10,000s   |
| Day & Night                                   | IR Cut Filter  |
| Digital Zoom                                  | 16x  |
| Privacy Mask                                  | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen   |
| Focus Model                                   | Auto / Semiautomatic / Manual  |
| <b>Lens</b>                                   |  |
| Focal Length                                  | 4-92mm, 23X  |
| Zoom Speed                                    | Approx.3.0s(Optical Wide-Tele)   |
| Angle of View                                 | 49-2.2 degree(Wide-Tele)   |
| Min. Working Distance                         | 10-1000mm (Wide-Tele)  |
| Aperture                                      | F1.6-F3.7  |
| <b>Pan and Tilt</b>                           |  |
| Pan Range                                     | 360° endless   |
| Pan Speed                                     | Pan Manual Speed: 0.1°-250° / s.; Pan Preset Speed: 300° / s   |
| Tilt Range                                    | -5°-90° (Auto Flip )   |
| Tilt Speed                                    | Tilt Manual Speed: 0.1°-150° / s.; Tilt Preset Speed: 200° / s   |
| Proportional Zoom                             | Rotation speed can be adjusted automatically according to zoom multiples   |
| Number of Preset                              | 256  |
| Patrol  | 8 patrols, up to 32 presets per patrol   |
| Pattern                                       | 4 patterns, with the total recording time not less than 10 minutes   |
| Power-off Memory                              | Support  |
| Park Action                                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| PTZ Position Display                          | On / Off   |
| Preset Freezing                               | Support  |
| Scheduled Task                                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |
| RS-485 communication diagnosis                | Support  |
| <b>Input / Output</b>                         |  |
| Monitor Output                                | 1 turbo HD720p output; 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC   |
| RS-485 Interface                              | Half-duplex mode; Self-adaptive HIKVISION, Pelco-P, Pelco-D protocol   |
| UTC function                                  | HIKVISION_C; *Need UTC controller if DVR don't support UTC function  |
| <b>General</b>                                |  |
| Menu Language                                 | English, Chinese   |
| Power   | 24VAC; Outdoor dome: Max. 20W (Heater On), Max. 12W(Heater Off); Indoor dome: Max.12W  |
| Working Temperature / Humidity                | -30 °C-65°C(-22°F-149°F)(outdoor dome) / -10°C-50°C(14°F-122°F)(indoor dome)<br>90% or less  |
| Protection Level                              | IP66 standard (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection                                   |
| Impact Protection Outdoor                     | Indoor: IEC60068-275Eh, 20J; EN50102, up to IK10<br>Indoor: IEC60068-275Eh, 10J; EN50102, up to IK09   |
| Mounting                                      | Various mounting modes optional  |
| Dimensions                                    | φ220×305mm (φ8.66"×12.00")(Outdoor); φ183.4×243mm(φ7.22"×9.56") (Indoor)<br>φ245×236mm(φ9.65"×9.29") (In-ceiling)                                    |
| Weight (approx.)                              | 3Kg (6.61 lbs)   |
| Mount Option (only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |

# DS-2AE7037(N)I/23(N)I-A

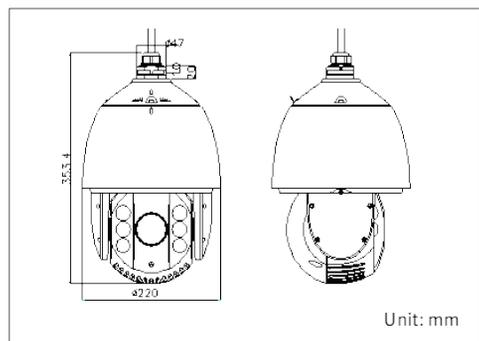
## 700TVL Analog IR PTZ Dome Camera



### Key features

- 1/3" Sony CCD
- 700TVL horizontal resolution
- 37X / 23X optical zoom, 16X digital zoom
- Up to 120m IR distance
- True Day/Night, Digital WDR
- 3D intelligent positioning
- Support UTC(Up The Coax) function

### Dimensions



### Accessories



### Available models

- DS-2AE7037I-A: PAL, 24VAC, outdoor
- DS-2AE7037NI-A: NTSC, 24VAC, outdoor
- DS-2AE7023I-A: PAL, 24VAC, outdoor
- DS-2AE7023NI-A: NTSC, 24VAC, outdoor

|                        | DS-2AE7023(N)I-A   | DS-2AE7037(N)I-A                 |
|------------------------|--|----------------------------------|
| <b>Camera</b>          |  |                                  |
| Image Sensor           | 1/3" Sony CCD  |                                  |
| Effective Pixel        | PAL: 976(H)×582(V), NTSC: 976(H)×494(V)  |                                  |
| Horizontal Resolution  | Horizontal Resolution: 700TVL  |                                  |
| Min. illumination      | Color: 0.02lux/(F1.6, AGC ON), B/W: 0.002lux/(F1.6, AGC ON), 0 lux with IR   |                                  |
| White Balance          | Auto / Manual / ATW / Indoor / Outdoor   |                                  |
| AGC                    | Auto / Manual  |                                  |
| S / N Ratio            | ≥ 50dB   |                                  |
| Digital Noise Reductio | 3D DNR   |                                  |
| Wide Dynamic Range     | Digital WDR  |                                  |
| Shutter Speed          | PAL: 1 ~1/10,000s, NTSC: 1 ~1/10,000s  |                                  |
| Day & Night            | IR Cut Filter  |                                  |
| Digital Zoom           | 16X  |                                  |
| Privacy Mask           | 8 privacy masks programmable, optional multiple colors and mosaics   |                                  |
| Focus Model            | Auto / Semiautomatic / Manual  |                                  |
| <b>Lens</b>            |  |                                  |
| Focal Length           | 4 ~ 92mm, 23X  | 3.2 ~118.4mm, 37X                |
| Zoom Speed             | Approx 3.0s(Optical Wide-Tele)   | Approx. 3.0 s(Optical Wide-Tele) |
| Angle of View          | 49 ~2.2 degree(Wide-Tele)  | 58~1.7 degree(Wide-Tele)         |
| Min. Working Distance  | 10 ~1000mm (Wide-Tele)   |                                  |
| Aperture Range         | F1.6 ~ F3.7  | F1.6 ~ F4.4                      |
| <b>Pan and Tilt</b>    |  |                                  |
| Pan / Tilt Range       | Pan: 360°endless; Tilt: -15° ~90° (Auto Flip )   |                                  |
| Pan / Tilt Speed       | Pan Manual Speed: 0.1° ~160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~120°/s, Tilt Preset Speed: 200°/s                               |                                  |
| Proportional Zoom      | Rotation speed can be adjusted automatically according to zoom multiples   |                                  |
| Number of Preset       | 256  |                                  |
| Patrol                 | 10 patrols, up to 32 presets per patrol  |                                  |
| Pattern                | 5 patterns, with the total recording time not less than 15 minutes   |                                  |
| Power-off Memory       | Support  |                                  |
| Park Action            | Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan   |                                  |
| PTZ Position Display   | On / Off   |                                  |
| Compass                | Support , the north can be set   |                                  |
| Scheduled Task         | Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan   |                                  |
| <b>Infrared</b>        |  |                                  |
| IR Range               | Up to 120m   |                                  |
| IR irradiation angle   | Automatically adjusted, depending on the zoom ratio  |                                  |
| <b>Input/ Output</b>   |  |                                  |
| Video Output           | 1.0V[p-p] / 75Ω, PAL / NTSC composite, BNC   |                                  |
| RS-485 Interface       | Half-duplex mode, self-adaptive HIKVISION, Pelco-P, Pelco-D  |                                  |
| UTC function           | Self-adaptive PELCO_C, HIKVISION_C   |                                  |
| <b>General</b>         |  |                                  |
| Power                  | 24 VAC, max.30W  |                                  |
| Working Temperature    | -30°C ~65°C (-22°F ~149°F)   |                                  |
| Humidity               | 90% or less  |                                  |
| Protection Level       | IP66<br>TVS 4,000V lightning protection, surge protection and voltage transient protection   |                                  |
| Dimensions             | Φ220 × 353.4mm (Φ8.66" × 13.91" )  |                                  |
| Weight                 | Approx. 4.5kg(9.92lbs)   |                                  |
| Mount Option           | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |                                  |

# DS-2AE5037(N)/23(N)-A

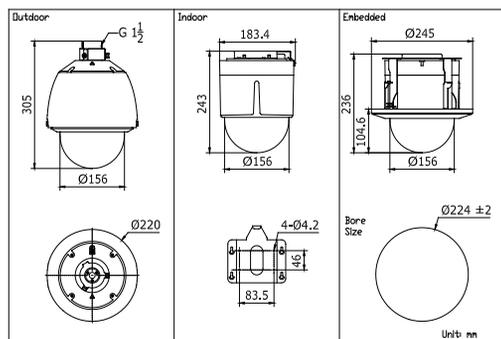
## 700TVL Analog PTZ Dome Camera



### Key features

- 1/3" Sony CCD
- 700TVL horizontal resolution
- 37X / 23X optical zoom, 16X digital zoom
- True Day/Night, Digital WDR
- 3D intelligent positioning
- Support UTC(Up The Coax) function

### Dimensions



### Accessories



### Available models

DS-2AE5037-A: PAL, 24VAC, outdoor  
 DS-2AE5037N-A: NTSC, 24VAC, outdoor  
 DS-2AE5037-A3: PAL, 24VAC, indoor  
 DS-2AE5037N-A3: NTSC, 24VAC, indoor

DS-2AE5023-A: PAL, 24VAC, outdoor  
 DS-2AE5023N-A: NTSC, 24VAC, outdoor  
 DS-2AE5023-A3: PAL, 24VAC, indoor  
 DS-2AE5023N-A3: NTSC, 24VAC, indoor

|                                  | DS-2AE5023(N)-A(3)   | DS-2AE5037(N)-A(3)       |
|----------------------------------|--|--------------------------|
| <b>Camera</b>                    |  |                          |
| Image Sensor                     | 1/3" Sony CCD  |                          |
| Effective Pixel                  | PAL: 976(H)×582(V), NTSC: 976(H)×494(V)  |                          |
| Horizontal Resolution            | Color: 700 TVL, B/W: 750 TVL   |                          |
| Min.Illumination                 | Color: 0.02Lux/(F1.6, AGC ON), B/W: 0.002Lux/(F1.6, AGC ON)  |                          |
| White Balance                    | Auto / Manual / ATW / Indoor / Outdoor   |                          |
| AGC                              | Auto / Manual  |                          |
| S / N Ratio                      | ≥ 50dB   |                          |
| Shutter Speed                    | PAL: 1 ~ 1/10,000s, NTSC: 1 ~ 1/10,000s  |                          |
| Digital Noise Reduction          | 3D DNR   |                          |
| Wide Dynamic Range               | Digital WDR  |                          |
| Day & Night                      | IR Cut Filter  |                          |
| Digital Zoom                     | 16X  |                          |
| Privacy Masking                  | 8 privacy masks programmable, optional multiple colors and mosaics   |                          |
| Focus Model                      | Auto / Semiautomatic / Manual  |                          |
| <b>Lens</b>                      |  |                          |
| Focal Length                     | 4 ~ 92mm, 23X  | 3.2 ~ 118.4mm, 37X       |
| Zoom Speed                       | Approx 3.0s(Optical Wide-Tele)   |                          |
| Angle of View                    | 49 ~ 2.2 degree(Wide-Tele)   | 58~1.7 degree(Wide-Tele) |
| Min. Working Distance            | 10 ~ 1500mm (Wide-Tele)  |                          |
| Aperture                         | F1.6 ~ F3.7  | F1.6 ~ F4.4              |
| <b>Pan and Tilt</b>              |  |                          |
| Pan and Tilt Range               | Pan: 360° endless; Tilt: -5°~90° (Auto Flip )  |                          |
| Pan and Tilt Speed               | Pan Manual Speed: 0.1°~250°/s, Pan Preset Speed: 300°/s<br>Tilt Manual Speed: 0.1° ~ 150°/s, Tilt Preset Speed: 200°/s                               |                          |
| Proportional Zoom                | Rotation speed can be adjusted automatically according to zoom multiples   |                          |
| Number of Preset                 | 256  |                          |
| Patrol                           | 10 patrols, up to 32 presets per patrol  |                          |
| Pattern                          | 5 patterns, with the total recording time not less than 15 minutes   |                          |
| Power-off Memory                 | Support  |                          |
| Park Action                      | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |                          |
| PTZ Position Display             | Support  |                          |
| Compass                          | Support , the north can be set   |                          |
| Scheduled Task                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |                          |
| <b>Input/ Output</b>             |  |                          |
| Video Output                     | 1.0 V[p-p] / 75Ω, PAL / NTSC composite, BNC  |                          |
| RS-485 Interface                 | Half-duplex mode, self-adaptive HIKVISION, Pelco-P, Pelco-D  |                          |
| UTC function                     | Self-adaptive PELCO_C, HIKVISION_C   |                          |
| <b>General</b>                   |  |                          |
| RS-485 Protocols                 | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |                          |
| Power                            | 24VAC<br>Outdoor dome: Max. 20W (Heater On), Max. 12W(Heater Off)<br>Indoor dome: Max.12W  |                          |
| Working Temperature              | -A(outdoor model): -30°C ~ 65°C(-22°F ~ 149°F); -A3(indoor model): -10°C~50°C(14°F ~ 122°F)  |                          |
| Humidity                         | 90% or less  |                          |
| Protection Level                 | IP66 (outdoor model)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection   |                          |
| Impact Protection                | -A(outdoor model): IEC60068-275Eh, 20J; EN50102, up to IK10<br>-A3(indoor model): IEC60068-275Eh, 10J; EN50102, up to IK09                           |                          |
| Dimensions                       | Φ220 × 305mm (Φ8.66" × 12.00") (Outdoor)<br>Φ183.4 × 243mm(Φ7.22" × 9.56") (Ceiling)<br>Φ245 × 236mm(Φ9.65" × 9.29") (In-ceiling)                    |                          |
| Weight                           | 3Kg (6.61 lbs)   |                          |
| Mount Option(for outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |                          |

# DS-2AE4023(N)-A

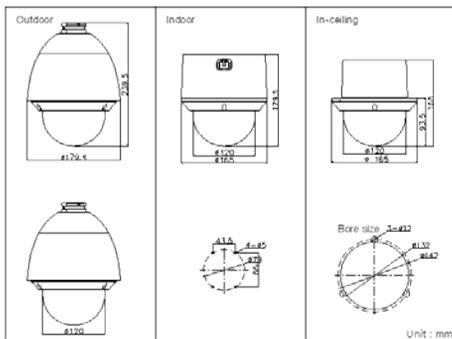
## 720P Analog IR PTZ Dome Camera



### Key features

- 1/3" CCD sensor
- 700TVL, 23X Optical Zoom
- Digital WDR
- 3D intelligent positioning
- 3D DNR
- RS-485 communication diagnosis
- Manchester code communication diagnosis

### Dimensions



### Accessories



### Available models

- DS-2AE4023-A, PAL, 24VAC, outdoor
- DS-2AE4023-A3, PAL, 24VAC, indoor
- DS-2AE4023N-A, NTSC, 24VAC, outdoor
- DS-2AE4023N-A3, NTSC, 24VAC, indoor

| DS-2AE4023(N)-A                              |   |
|--|---|
| <b>Camera</b>                                |   |
| Image Sensor                                 | 1/3" CCD  |
| Min. Illumination                            | F1.6, AGC On: Color: 0.02 lux, B/W : 0.002 lux  |
| Effective Pixel                              | PAL:976(H)×582(V)<br>NTSC:976(H)×494(V)   |
| Horizontal Resolution                        | 700TVL  |
| Focal Length                                 | 4-92mm, 23X   |
| Digital Zoom                                 | 16X   |
| Zoom Speed                                   | Approx.3.0s(Optical Wide-Tele)  |
| Angle of View                                | 49-2.2 degree (Wide-Tele)   |
| Min. Working Distance                        | 10-1000mm(Wide-Tele)  |
| Aperture Range                               | F1.6-F3.7   |
| Focus Mode                                   | Auto / Semiautomatic / Manual   |
| WDR  | Digital WDR   |
| S / N Ratio                                  | ≥ 50dB  |
| Shutter Time                                 | 50Hz: 1~1/10,000s; 60Hz: 1~1/10,000s  |
| AGC  | Auto / Manual   |
| White Balance                                | Auto/ATW/Indoor/Outdoor/One push  |
| Day & Night                                  | IR Cut Filter   |
| Privacy Mask                                 | 8 privacy masks programmable; a maximum of 8 zones can be masked simultaneously on the same video screen                                |
| Enhancement                                  | 3D DNR, BLC   |
| <b>Pan and Tilt</b>                          |   |
| Range  | Pan:360° endless; Tilt: -5°~90°(Auto Mirror)  |
| Speed  | Pan Manual Speed: 0.1°~160°/s, Pan Preset Speed: 160°/s<br>Tilt Manual Speed: 0.1°~120°/s, Tilt Preset Speed: 120°/s                    |
| Number of Preset                             | 256   |
| Patrol                                       | 8 patrols, up to 32 presets per patrol  |
| Pattern                                      | 4 patterns, with the recording time not less than 10 minutes per pattern  |
| Park Action                                  | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Scheduled Task                               | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |
| Zone Scanning/Display                        | Scanning within programmed zone, display zone title   |
| Camera Title                                 | Programmable title display  |
| Compass                                      | Support , the north can be set  |
| RS-485 communication diagnosis               | Including failure information, e.g., wrong address, baud rate errors, et., displayed on the video screen in text                        |
| Manchester code communication diagnosis      | Including failure information, e.g., wrong address, baud rate errors s displayed on the video screen in special characters              |
| <b>Input / Output</b>                        |   |
| Monitor Output                               | 1.0V[p-p] / 75Ω, NTSC (or PAL) composite, BNC   |
| <b>System Integration</b>                    |   |
| RS-485 Protocols                             | Half-duplex mode, HIKVISION, Pelco-P, Pelco-D, self-adaptive  |
| Power  | 24 VAC; Outdoor: Max.18 W(heater: 6W), Indoor: Max.12W  |
| Working Temperature                          | -30 °C -65°C (-22°F -149°F)(outdoor dome) / -10°C -50°C (14°F -122°F)(indoor dome)  |
| Humidity                                     | 90% or less   |
| Protection Level                             | IP66(outdoor dome), TVS 4,000V lightning protection, surge protection and voltage transient protection                                  |
| Certification                                | FCC, CE, UL, RoHS, IEC/EN 61000, IEC/EN 55022, IEC/EN 55024, IEC /EN60950-1   |
| Dimensions                                   | Φ179.4(mm)×239.5(mm) (Φ7.06"×9.43")(Outdoor)<br>Φ165×179.5mm(Φ6.50"×7.07") (Indoor)<br>Φ165×168mm(Φ6.50"×6.61") (In-ceiling)            |
| Weight (approx.)                             | 2kg (4.41lbs) (Outdoor)<br>2kg (4.41lbs) (Indoor/In-ceiling)  |
| Mount Option(only suitable for outdoor dome) | Long-arm wall mount: DS-1602ZJ;<br>Long-arm pendant mount: DS-1662ZJ; Short-arm pendant mount: DS-1661ZJ;<br>Swan-neck mount: DS-1619ZJ |

# DS-2AF7037(N)I/23(N)I-A

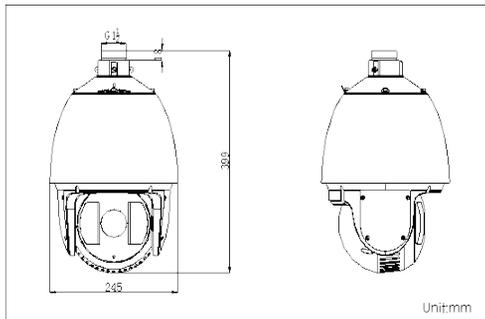
## 700TVL Analog IR PTZ Dome Camera



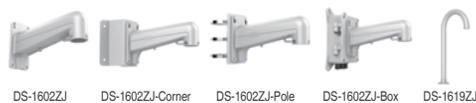
### Key features

- 1/3" Sony CCD
- 700TVL horizontal resolution
- 37X / 23X optical zoom, 16X digital zoom
- Smart tracking
- Up to 150m IR distance
- True Day/Night, Digital WDR
- 3D intelligent positioning
- Support UTC(Up The Coax) function

### Dimensions



### Accessories



### Available models

DS-2AF7037I-A: PAL, 24VAC, outdoor  
 DS-2AF7037NI-A: NTSC, 24VAC, outdoor

DS-2AF7023I-A: PAL, 24VAC, outdoor  
 DS-2AF7023NI-A: NTSC, 24VAC, outdoor

|                         | DS-2AF7023(N)I-A   | DS-2AF7037(N)I-A          |
|-------------------------|--|---------------------------|
| <b>Camera</b>           |  |                           |
| Image Sensor            | 1/3" Sony CCD  |                           |
| Effective Pixel         | PAL: 976(H)×582(V), NTSC: 976(H)×494(V)  |                           |
| Horizontal Resolution   | Horizontal Resolution: 700TVL  |                           |
| Min. illumination       | Color: 0.02Lux/(F1.6, AGC ON), 0.0008Lux/(F1.6, AGC ON, IRE×256), 0 lux with IR<br>B/W: 0.002Lux/(F1.6, AGC ON), 0.00008Lux/(F1.6, AGC ON, IRE×256), 0 lux with IR |                           |
| White Balance           | Auto / Manual / ATW / Indoor / Outdoor   |                           |
| AGC                     | Auto / Manual  |                           |
| S / N Ratio             | ≥ 50dB   |                           |
| Digital Noise Reduction | 3D DNR   |                           |
| Backlight compensation  | BLC  |                           |
| Wide Dynamic Range      | Digital WDR  |                           |
| Shutter Speed           | PAL: 1/3 ~ 1/10,000s, NTSC: 1/4 ~ 1/10,000s  |                           |
| Day & Night             | IR Cut Filter  |                           |
| Digital Zoom            | 16X  |                           |
| Privacy Mask            | 8 privacy masks programmable, optional multiple colors and mosaics   |                           |
| Focus Model             | Auto / Semiautomatic / Manual  |                           |
| <b>Lens</b>             |  |                           |
| Focal Length            | 4 ~ 92mm, 23X  | 3.2 ~ 118.4mm, 37X        |
| Zoom Speed              | Approx. 3.0 s(Optical Wide-Tele)   |                           |
| Angle of View           | 49 ~ 2.2 degree(Wide-Tele)   | 58- 1.7 degree(Wide-Tele) |
| Min. Working Distance   | 10 ~ 1500mm (Wide-Tele)  |                           |
| Aperture Range          | F1.6 ~ F3.7  | F1.6 ~ F4.4               |
| <b>Pan and Tilt</b>     |  |                           |
| Smart tracking          | Support  |                           |
| Pan / Tilt Range        | Pan: 360°endless; Tilt: -2° ~ 90° (Auto Flip)  |                           |
| Pan / Tilt Speed        | Pan Manual Speed: 0.1° ~ 160°/s, Pan Preset Speed: 240°/s<br>Tilt Manual Speed: 0.1° ~ 120°/s, Tilt Preset Speed: 200°/s   |                           |
| Proportional Zoom       | Rotation speed can be adjusted automatically according to zoom multiples   |                           |
| Number of Preset        | 256  |                           |
| Patrol                  | 8 patrols, up to 32 presets per patrol   |                           |
| Pattern                 | 4 patterns, with the total recording time not less than 10 minutes   |                           |
| Power-off Memory        | Support  |                           |
| Park Action             | Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan   |                           |
| PTZ Position Display    | Support  |                           |
| Password Protection     | Support  |                           |
| Preset Freezing         | Support  |                           |
| Zone Scanning/Display   | Scanning within programmed zone, display zone title  |                           |
| Camera Title            | Programmable title display   |                           |
| Compass                 | Support, the north can be set  |                           |
| Scheduled Task          | Preset / Patrol / Pattern / Pan / Tilt / Auto / Random / Frame / Panorama scan   |                           |
| <b>Infrared</b>         |  |                           |
| IR Range                | Up to 150m   |                           |
| IR irradiation angle    | Automatically adjusted, depending on the zoom ratio  |                           |
| <b>Alarm</b>            |  |                           |
| Alarm Input             | 2 (7 alarm inputs optional)  |                           |
| Alarm Output            | 2 relay outputs, alarm response actions configurable   |                           |
| Alarm Action            | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Panorama scan / Relay output  |                           |
| <b>Input/ Output</b>    |  |                           |
| Video Output            | 1.0V[p-p] / 75Ω, PAL / NTSC composite, BNC   |                           |
| RS-485 Interface        | Half-duplex mode, self-adaptive HIKVISION, Pelco-P, Pelco-D  |                           |
| UTC function            | Self-adaptive PELCO_C, HIKVISION_C   |                           |
| <b>General</b>          |  |                           |
| Power                   | 24 VAC, max.50W  |                           |
| Working Temperature     | -30°C ~ 65°C (-22°F ~ 149°F)   |                           |
| Humidity                | 90% or less  |                           |
| Protection Level        | IP66<br>TVS 4,000V lightning protection, surge protection and voltage transient protection   |                           |
| Dimensions              | Φ245 × 399mm (Φ9.65" × 15.71" )  |                           |
| Weight                  | Approx. 6kg(13.22lbs)  |                           |
| Mount Option            | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole;<br>Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ          |                           |

# DS-2AF5037(N)/23(N)-A

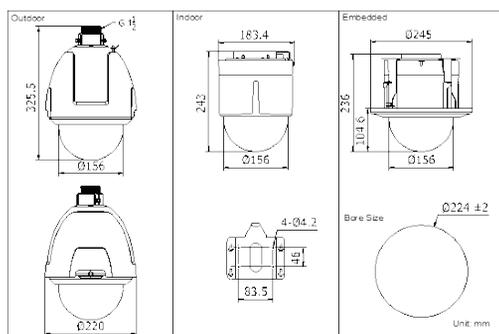
## 700TVL Analog PTZ Dome Camera



### Key features

- 1/3" Sony CCD
- 700TVL horizontal resolution
- 37X / 23X optical zoom, 16X digital zoom
- Smart tracking
- True Day/Night, Digital WDR
- 3D intelligent positioning
- Support UTC(Up The Coax) function

### Dimensions



### Accessories



### Available models

DS-2AF5037-A: PAL, 24VAC, outdoor  
 DS-2AF5037N-A: NTSC, 24VAC, outdoor  
 DS-2AF5037-A3: PAL, 24VAC, indoor  
 DS-2AF5037N-A3: NTSC, 24VAC, indoor

DS-2AF5023-A: PAL, 24VAC, outdoor  
 DS-2AF5023N-A: NTSC, 24VAC, outdoor  
 DS-2AF5023-A3: PAL, 24VAC, indoor  
 DS-2AF5023N-A3: NTSC, 24VAC, indoor

|                                  | DS-2AF5023(N)-A(3)   | DS-2AF5037(N)-A(3)         |
|----------------------------------|--|----------------------------|
| <b>Camera</b>                    |  |                            |
| Image Sensor                     | 1/3" Sony CCD  |                            |
| Effective Pixel                  | PAL: 976(H)×582(V), NTSC: 976(H)×494(V)  |                            |
| Horizontal Resolution            | Horizontal Resolution: 700TVL  |                            |
| Min.Illumination                 | Color: 0.02Lux/(F1.6, AGC ON), 0.0008Lux/(F1.6, AGC ON, IRE × 256)<br>B/W: 0.002Lux/(F1.6, AGC ON), 0.00008Lux/(F1.6, AGC ON, IRE × 256)             |                            |
| White Balance                    | Auto / Manual / ATW / Indoor / Outdoor   |                            |
| AGC                              | Auto / Manual  |                            |
| S / N Ratio                      | ≥ 50dB   |                            |
| Shutter Speed                    | PAL: 1/3 ~1/10,000s, NTSC: 1/4 ~1/10,000s  |                            |
| Digital Noise Reduction          | 3D DNR   |                            |
| Backlight compensation           | BLC  |                            |
| Wide Dynamic Range               | Digital WDR  |                            |
| Day & Night                      | IR Cut Filter  |                            |
| Digital Zoom                     | 16X  |                            |
| Privacy Masking                  | 8 privacy masks programmable, optional multiple colors and mosaics   |                            |
| Focus Model                      | Auto / Semiautomatic / Manual  |                            |
| <b>Lens</b>                      |  |                            |
| Focal Length                     | 4 ~ 92mm, 23X  | 3.2 ~ 118.4mm, 37X         |
| Zoom Speed                       | Approx 3.0s(Optical Wide-Tele)   |                            |
| Angle of View                    | 49 ~ 2.2 degree(Wide-Tele)   | 58 ~ 1.7 degree(Wide-Tele) |
| Min. Working Distance            | 10 ~1500mm (Wide-Tele)   |                            |
| Aperture                         | F1.6 ~ F3.7  | F1.6 ~ F4.4                |
| <b>Pan and Tilt</b>              |  |                            |
| Smart tracking                   | Support  |                            |
| Pan and Tilt Range               | Pan: 360° endless; Tilt: -5°~90° (Auto Flip)   |                            |
| Pan and Tilt Speed               | Pan Manual Speed: 0.1°~300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1° ~240°/s, Tilt Preset Speed: 400°/s                                |                            |
| Proportional Zoom                | Rotation speed can be adjusted automatically according to zoom multiples   |                            |
| Number of Preset                 | 256  |                            |
| Patrol                           | 8 patrols, up to 32 presets per patrol   |                            |
| Pattern                          | 4 patterns, with the total recording time not less than 10 minutes   |                            |
| Power-off Memory                 | Support  |                            |
| Park Action                      | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |                            |
| PTZ Position Display             | Support  |                            |
| Password Protection              | Support  |                            |
| Preset Freezing                  | Support  |                            |
| Zone Scanning/Display            | Scanning within programmed zone, display zone title  |                            |
| Camera Title                     | Programmable title display   |                            |
| Compass                          | Support, the north can be set  |                            |
| Scheduled Task                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Frame Scan / Random scan / Panorama scan  |                            |
| <b>Alarm</b>                     |  |                            |
| Alarm Input                      | 2 (7 alarm inputs optional)  |                            |
| Alarm Output                     | 2 relay outputs, alarm response actions configurable   |                            |
| Alarm Action                     | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan / Relay output   |                            |
| <b>Input/ Output</b>             |  |                            |
| Video Output                     | 1.0 V[p-p] / 75Ω, PAL / NTSC composite, BNC  |                            |
| RS-485 Interface                 | Half-duplex mode, self-adaptive HIKVISION, Pelco-P, Pelco-D  |                            |
| UTC function                     | Self-adaptive PELCO_C, HIKVISION_C   |                            |
| <b>General</b>                   |  |                            |
| Power                            | 24VAC(for -A model); 12VDC(for -D model)<br>Outdoor dome: Max. 40W (Heater On), Max. 20W(Heater Off)<br>Indoor dome: Max.20W                         |                            |
| Working Temperature              | -A(outdoor model): -30°C ~ 65°C(-22°F ~ 149°F); -A3(indoor model): -10°C ~ 50°C(14°F ~ 122°F)  |                            |
| Humidity                         | 90% or less  |                            |
| Protection Level                 | IP66 (outdoor dome)<br>TVS 4,000V lightning protection, surge protection and voltage transient protection  |                            |
| Impact Protection                | -A(outdoor model): IEC60068-275Eh, 20J; EN50102, up to IK10<br>-A3(indoor model): IEC60068-275Eh, 10J; EN50102, up to IK09                           |                            |
| Dimensions                       | Φ220×325.5mm (Φ8.66"×12.81")(Outdoor)<br>Φ183.4×243mm (Φ7.22"×9.57")(Indoor ceiling)<br>Φ245×236mm (Φ9.65"×9.29")(Indoor in-ceiling)                 |                            |
| Weight                           | Approx. 5Kg (11.02lbs)   |                            |
| Mount Option(for outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box;Swan-neck mount: DS-1619ZJ |                            |

NOTE: Indoor models support both ceiling and in-ceiling mount.

# DS-2AF7230SI/20SI-A

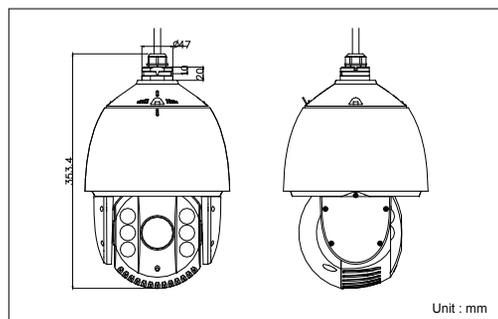
## 2MP HD-SDI IR PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS
- 1080P Full HD real-time video
- 30X / 20X optical zoom, 16X digital zoom
- 1.485Gbps SDI interface + RJ45 network interface
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning
- Up to 150m IR

### Dimensions



### Accessories



### Available models

- DS-2AF7230SI-A: 24VAC, outdoor
- DS-2AF2220SI-A: 24VAC, indoor

|                               | DS-2AF7230SI-A (outdoor)   | DS-2AF7220SI-A (outdoor)         |
|-------------------------------|--|----------------------------------|
| <b>Camera</b>                 |  |                                  |
| Image sensor                  | 1/2.8" Progressive Scan CMOS   |                                  |
| Effective pixel               | 2230K pixels   |                                  |
| Min. Illumination             | Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On) B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>0 lux with IR                                      |                                  |
|                               | Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>0 lux with IR                                   |                                  |
| White balance                 | Auto / Manual / ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |                                  |
| AGC                           | Auto / Manual  |                                  |
| S / N ratio                   | ≥ 52dB   |                                  |
| Digital noise reduction       | 3D DNR   |                                  |
| Backlight compensation        | BLC: Support   |                                  |
| Wide dynamic range            | Digital WDR  |                                  |
| Shutter speed                 | 50Hz: 1/1-1/30,000s  |                                  |
|                               | 60Hz: 1/1-1/30,000s  |                                  |
| Day & Night                   | IR Cut Filter  |                                  |
| Digital zoom                  | 16X  |                                  |
| Privacy masking               | 24 privacy masks programmable, optional multiple colors and mosaics  |                                  |
| Focus mode                    | Auto / Semiautomatic / Manual  |                                  |
| <b>Lens</b>                   |  |                                  |
| Focal length                  | 4.3 ~ 129mm, 30X optical zoom  | 4.7 ~ 94mm, 20X optical zoom     |
| Zoom speed                    | Approx. 3s (Optical Wide-Tele)   | Approx. 2.7s (Optical Wide-Tele) |
| Angle of view                 | 65.5 ~ 2.11 degree (Wide-Tele)   | 58.3 ~ 3.2 degree (Wide-Tele)    |
| Min. Working distance         | 10 ~ 1500mm(Wide-Tele)   |                                  |
| Aperture range                | F1.6 ~ F5.0  | F1.6 ~ F3.5                      |
| <b>Pan and Tilt</b>           |  |                                  |
| Pan / Tilt range              | -2°-90° (Auto Flip)  |                                  |
| Pan / Tilt speed              | Pan Manual Speed: 0.1°-160°/s, Pan Preset Speed: 240°/s  |                                  |
|                               | Tilt Manual Speed: 0.1°-120°/s, Tilt Preset Speed: 200°/s  |                                  |
| Proportional zoom             | Rotation speed can be adjusted automatically according to zoom multiples   |                                  |
| Number of preset              | 256  |                                  |
| Patrol                        | 8 patrols, up to 32 presets per patrol   |                                  |
| Pattern                       | 4 patterns, with the recording time not less than 10 minutes per pattern   |                                  |
| Power-off memory              | Support  |                                  |
| Park action                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan  |                                  |
| PTZ position display          | Support  |                                  |
| Preset freezing               | Support  |                                  |
| Scheduled task                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output                  |                                  |
| <b>Infrared</b>               |  |                                  |
| IR Range                      | Up to 150m   |                                  |
| IR irradiation angle          | Automatically adjusted, depending on the zoom ratio  |                                  |
| <b>Alarm</b>                  |  |                                  |
| Alarm input                   | 2 inputs   |                                  |
| Alarm output                  | 2 relay outputs, alarm response actions configurable   |                                  |
| Alarm trigger                 | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception             |                                  |
| Alarm action                  | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client  |                                  |
| <b>Local Video and Audio</b>  |  |                                  |
| Video Output                  | HD-SDI output, BNC interface;<br>Network output, RJ45 interface.   |                                  |
| Audio Input                   | 1 Mic in/Line in interface, Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%   |                                  |
| Audio Output                  | 1 Audio output interface, Line level, impedance: 600Ω  |                                  |
| <b>General</b>                |  |                                  |
| RS-485 Protocols              | HIKVISION, Pelco-P, Pelco-D, self-adaptive   |                                  |
| Power                         | 24VAC, max. 50W  |                                  |
| Working Temperature           | -30°C ~ 65°C(-22°F ~ 149°F)  |                                  |
| Humidity                      | 90% or less  |                                  |
| Protection Level              | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection   |                                  |
| Dimensions                    | Φ245 × 399mm (Φ9.65" × 15.71")   |                                  |
| Weight                        | 6kg(13.22 lbs)   |                                  |
| Mount Option (outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ |                                  |

# DS-2AF5220S/30S-A

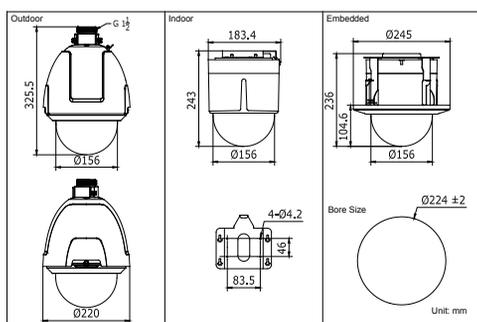
## 2MP HD-SDI PTZ Dome Camera



### Key features

- 1/2.8" Progressive Scan CMOS
- 1080P Full HD real-time video
- 30X / 20X optical zoom, 16X digital zoom
- 1.485Gbps SDI interface + RJ45 network interface
- True Day/Night, D WDR, 3D DNR
- 3D intelligent positioning

### Dimensions



### Accessories



### Available models

DS-2AF5230S-A: 24VAC, outdoor  
DS-2AF5230S-A3: 24VAC, indoor

DS-2AF5220S-A: 24VAC, outdoor  
DS-2AF5220S-A3: 24VAC, indoor

|                               | DS-2AF5220S-A (outdoor)<br>DS-2AF5220S-A3 (indoor)  | DS-2AF5230S-A (outdoor)<br>DS-2AF5230S-A3 (indoor) |
|-------------------------------|---|--|
| <b>Camera</b>                 |   |  |
| Image sensor                  | 1/2.8" Progressive Scan CMOS  |  |
| Effective pixel               | 2230K pixels  |  |
| Min. Illumination             | Color : 0.3 lux (F1.6, 1/30 sec, 50 IRE, AGC On)/B/W : 0.02 lux (F1.6, 1/30 sec, 50 IRE, AGC On)<br>Color : 0.02 lux (F1.6, 1/1 sec, 50 IRE, AGC On)<br>B/W : 0.002 lux (F1.6, 1/1 sec, 50 IRE, AGC On) |  |
| White balance                 | Auto / Manual /ATW/Indoor/Outdoor/Daylight lamp/Sodium lamp   |  |
| AGC                           | Auto / Manual   |  |
| S / N ratio                   | ≥ 52dB  |  |
| Digital noise reduction       | 3D DNR  |  |
| Backlight compensation        | BLC: Support  |  |
| Wide dynamic range            | Digital WDR   |  |
| Shutter speed                 | 50Hz: 1/25-1/10,000s; 60Hz: 1/30-1/10,000s  |  |
| Day & Night                   | IR Cut Filter   |  |
| Digital zoom                  | 16X   |  |
| Privacy masking               | 24 privacy masks programmable, optional multiple colors and mosaics   |  |
| Focus mode                    | Auto / Semiautomatic / Manual   |  |
| <b>Lens</b>                   |   |  |
| Focal length                  | 4.7 ~ 94mm, 20X optical zoom  | 4.3 ~ 129mm, 30X optical zoom                      |
| Zoom speed                    | Approx. 2.7s (Optical Wide-Tele)  | Approx.3s (Optical Wide-Tele)                      |
| Angle of view                 | 58.3 ~ 3.2 degree (Wide-Tele)   | 65.5 ~ 2.11 degree (Wide-Tele)                     |
| Min. Working distance         | 10 ~ 1500mm(Wide-Tele)  |  |
| Aperture range                | F1.6 ~ F3.5   | F1.6 ~ F5.0  |
| <b>Pan and Tilt</b>           |   |  |
| Pan / Tilt range              | Pan: 360° endless; Tilt: -5° ~ 90°(Auto Flip)   |  |
| Pan / Tilt speed              | Pan Manual Speed: 0.1° ~ 300°/s, Pan Preset Speed: 540°/s<br>Tilt Manual Speed: 0.1° ~ 240°/s, Tilt Preset Speed: 400°/s  |  |
| Proportional zoom             | Rotation speed can be adjusted automatically according to zoom multiples  |  |
| Number of preset              | 256   |  |
| Patrol                        | 8 patrols, up to 32 presets per patrol  |  |
| Pattern                       | 4 patterns, with the recording time not less than 10 minutes per pattern  |  |
| Power-off memory              | Support   |  |
| Park action                   | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan   |  |
| PTZ position display          | Support   |  |
| Preset freezing               | Support   |  |
| Scheduled task                | Preset / Patrol / Pattern / Pan scan / Tilt scan / Random scan / Frame scan / Panorama scan/Dome reboot/Self-test action/Alarm output   |  |
| <b>Alarm</b>                  |   |  |
| Alarm input                   | 2 inputs  |  |
| Alarm output                  | 2 relay outputs, alarm response actions configurable  |  |
| Alarm trigger                 | Motion detection, Audio Exception Detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |  |
| Alarm action                  | Preset, Patrol, Pattern, SD/SDHC card recording, Relay output, Notification on Client   |  |
| <b>Local Video and Audio</b>  |   |  |
| Video Output                  | HD-SDI Output, BNC Interface<br>Network output, RJ45 interface.   |  |
| Audio Input                   | 1 Mic in/Line in interface, Line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%  |  |
| Audio Output                  | 1 Audio output interface, Line level, impedance: 600Ω   |  |
| <b>General</b>                |   |  |
| RS-485 Protocols              | HIKVISION, Pelco-P, Pelco-D, self-adaptive  |  |
| Power                         | 24VAC, max. 40W   |  |
| Working Temperature           | -A: -30°C ~ 65°C(-22°F ~ 149°F); -A3: -10°C ~ 50°C (14°F ~ 122°F)   |  |
| Humidity                      | 90% or less   |  |
| Protection Level              | IP66, TVS 4,000V lightning protection, surge protection and voltage transient protection  |  |
| Dimensions                    | Φ220×325.5mm (Φ8.66"×12.81")(Outdoor)<br>Φ183.4×243mm (Φ7.22"×9.57")(Ceiling)<br>Φ245×236mm (Φ9.65"×9.29")(In-ceiling)  |  |
| Weight                        | 4Kg (8.82 lbs)  |  |
| Mount Option (outdoor models) | Long-arm wall mount: DS-1602ZJ; Corner mount: DS-1602ZJ-corner; Pole Mount: DS-1602ZJ-pole; Power box mount: DS-1602ZJ-box; Swan-neck mount: DS-1619ZJ  |  |



NETWORK CAMERA

# DS-2CD2012F-I(W)/22F-I(W)/32F-I(W)

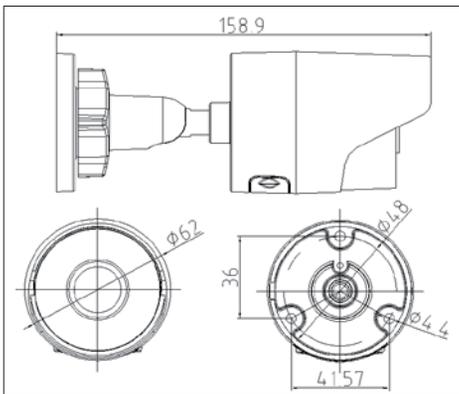
## IR Mini Bullet Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- 3D DNR & DWDR & BLC
- IR LEDs: up to 30m
- Support Wifi (-W)
- IP66
- PoE
- Compact design
- Bracket included

### Dimensions



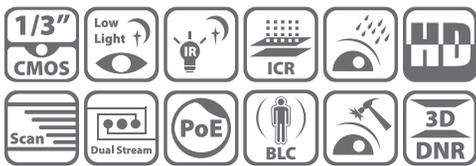
### Available models

- DS-2CD2012F-I (1.3MP)
- DS-2CD2022F-I (2.0MP)
- DS-2CD2032F-I (3.0MP)

|                             | DS-2CD2012F-I(W)   | DS-2CD2022F-I(W)   | DS-2CD2032F-I(W)   |
|-----------------------------|--|--|--|
| <b>Camera</b>               |  |  |  |
| Image sensor                | 1/3" progressive scan CMOS   |  |  |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  |  | 0.07 lux @F1.2, AGC ON, 0 lux with IR  |
| Shutter time                | 1/3s ~ 1/100,000s  |  |  |
| Lens                        | 4mm @ F2.0 (6mm optional)<br>Angle of view: 73.1°(4mm),<br>46°(6mm)  | 4mm @ F2.0 (6mm optional)<br>Angle of view: 85°(4mm),<br>52°(6mm)                                    | 4mm @ F2.0 (6mm optional)<br>1920 × 1080: Angle of view:<br>79°(4mm), 49°(6mm)<br>2048 × 1536: Angle of view:<br>70°(4mm), 43.3°(6mm)                |
| Lens mount                  | M12  |  |  |
| Day & night                 | ICR  |  |  |
| Digital noise reduction     | 3D DNR   |  |  |
| Wide dynamic range          | Digital WDR  |  |  |
| <b>Compression Standard</b> |  |  |  |
| Video compression           | H.264 / MJPEG  |  |  |
| H.264 codec profile         | Main profile   |  |  |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |  |  |
| Dual stream                 | Yes  |  |  |
| <b>Image</b>                |  |  |  |
| Max. Image Resolution       | 1280 × 960   | 1920 × 1080  | 2048 × 1536  |
| Frame rate                  | 50 Hz: 25 fps (1280 × 960),<br>25 fps (1280 × 720), 25 fps<br>(704 × 576),<br>25 fps (640 × 480)<br>60 Hz: 30 fps (1280 × 960),<br>30 fps (1280 × 720), 30 fps<br>(704 × 576),<br>30 fps (640 × 480) | 50Hz: 25fps (1920 × 1080), 25fps<br>(1280 × 720)<br>60Hz: 30fps (1920 × 1080), 30fps<br>(1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps<br>(1920 × 1080), 25fps (1280 ×<br>720)<br>60Hz: 20fps (2048 × 1536), 30fps<br>(1920 × 1080), 30fps (1280 ×<br>720) |
| Image settings              | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser   |  |  |
| BLC                         | Yes, zone configurable   |  |  |
| ROI                         | Support  |  |  |
| <b>Network</b>              |  |  |  |
| Network storage             | Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB ; NAS  |  |  |
| Alarm trigger               | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error  |  |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |  |
| WiFi                        | Support (-W)   |  |  |
| System compatibility        | ONVIF, PSIA, CGI   |  |  |
| General functionalities     | User Authentication, watermark, reset button   |  |  |
| <b>Interface</b>            |  |  |  |
| Communication interface     | 1 RJ45 10 M / 100 M Ethernet interface   |  |  |
| <b>General</b>              |  |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |  |
| Power consumption           | Max. 5W (max. 7W with ICR on)  |  |  |
| Weather proof rating        | IP66   |  |  |
| IR range                    | Up to 30m  |  |  |
| Dimension                   | ∅ 62 × 158.9mm   |  |  |
| Weight                      | 500g   |  |  |

# DS-2CD2112F-I(S)(W)/22F-I(S)(W)/32F-I(S)(W)

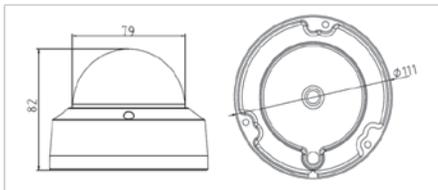
## IR Fixed Dome Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- 3D DNR & DWDR & BLC
- IR LEDs: up to 30m
- IP66
- Vandal-proof
- PoE
- Onboard storage (up to 64GB)
- Wi-Fi optional

### Dimensions



### Available models

1.3MP:  
DS-2CD2112F-I, DS-2CD2112F-IS,  
DS-2CD2112F-IW, DS-2CD2112F-IWS

2.0MP:  
DS-2CD2122F-I, DS-2CD2122F-IS,  
DS-2CD2122F-IW, DS-2CD2122F-IWS

3.0MP:  
DS-2CD2132F-I, DS-2CD2132F-IS,  
DS-2CD2132F-IW, DS-2CD2132F-IWS

\* -S: Audio I/O interface, Alarm I/O interface.

-W: Built-in Wi-Fi

|  | DS-2CD2112F-I(S)(W)  | DS-2CD2122F-I(S)(W)  | DS-2CD2132F-I(S)(W)  |
|--|--|--|--|
| <b>Camera</b>                                  |  |  |  |
| Image sensor                                   | 1/3" Progressive Scan CMOS   |  | 1/3" Progressive Scan CMOS   |
| Min. illumination                              | 0.01 lux@F1.2, AGC ON, 0 lux with IR   |  | 0.07Lux @F1.2, AGC ON, 0 lux with IR   |
| Shutter time                                   | 1/3s ~ 1/100,100s  |  |  |
| Lens   | 4mm @ F2.0, angle of view: 73.1°(6mm optional)   | 4mm @ F2.0 (2.8mm, 6mm optional)<br>Angle of view: 106°(2.8mm), 85°(4mm), 52°(6mm)             | 4mm @ F2.0 (2.8mm, 6mm optional)<br>2048 × 1536: Angle of view: 86°(2.8mm), 70°(4mm), 43.3°(6mm)<br>1920 × 1080: Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm) |
| Lens mount                                     | M12  |  |  |
| Angle adjustment                               | Pan: 0° ~ 355°, Tilt: 0° ~ 75°, Rotation: 0 ~ 360°   |  |  |
| Digital noise reduction                        | 3D DNR   |  |  |
| Wide dynamic range                             | Digital WDR  |  |  |
| Day & night                                    | IR cut filter with auto switch   |  |  |
| <b>Compression Standard</b>                    |  |  |  |
| Video compression                              | H.264 / MJPEG  |  |  |
| H.264 codec profile                            | Main profile   |  |  |
| Bit rate                                       | 32 Kbps ~ 12 Mbps  |  |  |
| Dual stream                                    | Yes  |  |  |
| <b>Image</b>                                   |  |  |  |
| Max. Image Resolution                          | 1280 × 960   | 1920 × 1080  | 2048 × 1536  |
| Frame rate                                     | 50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480)<br>60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480) | 50Hz: 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080), 30fps (1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)                         |
| Image settings                                 | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser   |  |  |
| BLC  | Yes, zone configurable   |  |  |
| ROI  | Support  |  |  |
| <b>Network</b>                                 |  |  |  |
| Network storage                                | Local storage: Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB ; NAS  |  |  |
| Alarm trigger                                  | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error  |  |  |
| Protocols                                      | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |  |
| System compatibility                           | ONVIF, PSIA, CGI, ISAPI  |  |  |
| General functionalities                        | User Authentication, Watermark   |  |  |
| General function                               | Flickerless, dual stream, heartbeat, mirror, password protection, watermark  |  |  |
| <b>Interface</b>                               |  |  |  |
| Communication Interface                        | 1 RJ45 10M/100M Ethernet interface   |  |  |
| <b>Wi-Fi Specification (Only for -W model)</b> |  |  |  |
| Wireless Standards                             | IEEE802.11b, 802.11g, 802.11n  |  |  |
| Frequency Range                                | 2.4 GHz ~ 2.4835 GHz   |  |  |
| Channel Bandwidth                              | 20/40MHz Support   |  |  |
| Protocols                                      | 802.11b: CCK, QPSK, BPSK ; 802.11g/n: OFDM   |  |  |
| Security                                       | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS  |  |  |
| Transmit Output Power                          | 11b: 17±1.5dBm @ 11Mbps ; 11g: 14±1.5dBm @ 54Mbps ; 11n: 12.5±1.5dBm   |  |  |
| Receive Sensitivity                            | 11b: -90dBm @ 11Mbps (Typical) ; 11g: -75dBm @ 54Mbps (Typical) ; 11n: -74dBm (Typical)  |  |  |
| Transfer Rates                                 | 11b: 11Mbps ; 11g: 54Mbps ; 11n: up to 150Mbps   |  |  |
| Wireless Range                                 | 50m ; *The performance varies based on actual environment.   |  |  |
| <b>General</b>                                 |  |  |  |
| Operating conditions                           | -30 °C ~ 60 °C (-22 °F ~ 140 °F) ; Humidity 95% or less (non-condensing)   |  |  |
| Power supply                                   | 12 V DC ± 10% ; PoE (802.3af)  |  |  |
| Power consumption                              | Max. 5 W (Max. 7 W with IR cut filter on)  |  |  |
| Impact protection                              | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |  |  |
| Ingress protection                             | IP66   |  |  |
| IR range                                       | 30 meters  |  |  |
| Dimensions                                     | Φ 111 × 82mm (4.4" × 3.2")   |  |  |
| Weight   | 500g (1.1 lbs)   |  |  |

# DS-2CD2212-I5/32-I5

## EXIR Bullet Network Camera

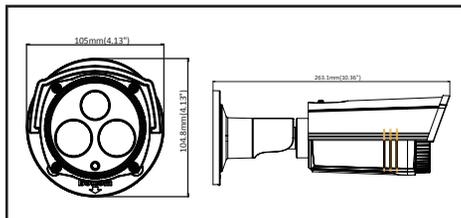
# EXIR



### Key features

- 1.3MP / 3MP high resolution
- HD real-time video
- DWDR & 3D DNR
- EXIR illuminators: up to 50m
- IP66
- PoE

### Dimensions



### Available models

- DS-2CD2212-I5 (1.3MP)
- DS-2CD2232-I5 (3.0MP)

|                             | DS-2CD2212-I5  | DS-2CD2232-I5   |
|-----------------------------|--|---|
| <b>Camera</b>               |  |   |
| Image sensor                | 1/3" progressive scan CMOS   |   |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  | 0.07 lux @F1.2, AGC ON, 0 lux with IR   |
| Shutter time                | 1/3s ~ 1/100,100s  |   |
| Lens                        | 4mm@ F2.0 (6mm, 12mm optional)<br>Angle of view: 73.1°(4mm), 46°(6mm), 22°(12mm)   | 4mm@ F2.0 (6mm, 12mm optional)<br>2048 × 1536: Angle of view: 70°(4mm),43.3°(6mm), 20.6°(12mm)<br>1920 × 1080: Angle of view: 79°(4mm), 49°(6mm), 23.2°(12mm) |
| Lens mount                  | M12  |   |
| Day & night                 | ICR  |   |
| Digital noise reduction     | 3D DNR   |   |
| Wide dynamic range          | Digital WDR  |   |
| Backlight compensation      | Yes, zone configurable   |   |
| <b>Compression Standard</b> |  |   |
| Video compression           | H.264 / MJPEG  |   |
| H.264 codec profile         | Main profile   |   |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |   |
| Dual stream                 | Yes  |   |
| <b>Image</b>                |  |   |
| Max. Image Resolution       | 1280 × 960   | 2048 × 1536   |
| Frame rate                  | 50Hz: 25fps (1280 × 960), 25fps (1280 × 720)<br>60Hz: 30fps (1280 × 960), 30fps (1280 × 720)                                     | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)                      |
| Image settings              | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser                         |   |
| <b>Network</b>              |  |   |
| Network storage             | NAS  |   |
| Alarm trigger               | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error        |   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |   |
| System compatibility        | ONVIF, PSIA, CGI   |   |
| General functionalities     | User authentication, watermark   |   |
| <b>Interface</b>            |  |   |
| Communication interface     | 1 RJ45 10 M / 100 M Ethernet interface   |   |
| <b>General</b>              |  |   |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |   |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |   |
| Power consumption           | Max. 7W (max. 9W with ICR on)  |   |
| Weather proof rating        | IP66   |   |
| EXIR range                  | Up to 50m  |   |
| Dimension                   | 105 x 104.8 x 263.1mm  |   |
| Weight                      | 1200g  |   |

# DS-2CD2312-I/32-I

## EXIR Turret Network Camera

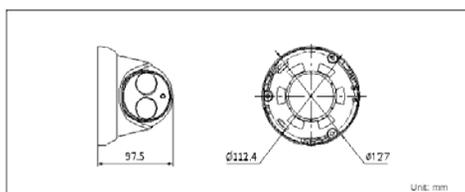
# EXIR



### Key features

- 1.3MP / 3MP high resolution
- HD real-time video
- 3D DNR & DWDR & BLC
- EXIR illuminator (up to 30m)
- IP66
- PoE

### Dimensions



### Available models

- DS-2CD2312-I (1.3MP)
- DS-2CD2332-I (3.0MP)

|                             | DS-2CD2312-I   | DS-2CD2332-I   |
|-----------------------------|--|--|
| <b>Camera</b>               |  |  |
| Image sensor                | 1/3" progressive scan CMOS   |  |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  | 0.07 lux @F1.2, AGC ON, 0 lux with IR  |
| Shutter time                | 1/3s - 1/100,100s  |  |
| Lens                        | 4mm @ F2.0 (2.8mm, 6mm optional)<br>Angle of view:<br>92.5°(2.8mm), 73.1°(4mm), 46.°(6mm)  | 4mm @ F2.0 (2.8mm, 6mm optional)<br>2048 × 1536: Angle of view:<br>86°(2.8mm), 70°(4mm), 43.3°(6mm)<br>1920 × 1080: Angle of view:<br>98.5°(2.8mm), 79°(4mm), 49°(6mm) |
| Lens mount                  | M12  |  |
| Angle adjustment            | Horizontal: 0° ~ 360°, vertical: 0° ~ 75°, rotation: 0° ~ 360°   |  |
| Day & night                 | ICR  |  |
| Digital noise reduction     | 3D DNR   |  |
| Wide dynamic range          | Digital WDR  |  |
| Backlight compensation      | Yes, zone configurable   |  |
| <b>Compression Standard</b> |  |  |
| Video compression           | H.264 / MJPEG  |  |
| H.264 codec profile         | Main profile   |  |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |  |
| Dual stream                 | Yes  |  |
| <b>Image</b>                |  |  |
| Max. Image Resolution       | 1280 × 960   | 2048 × 1536  |
| Frame rate                  | 50Hz: 25fps (1280 × 960), 25fps (1280 × 720)<br>60Hz: 30fps (1280 × 960), 30fps (1280 × 720)                                     | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080),<br>25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080),<br>30fps (1280 × 720)                         |
| Image settings              | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser                         |  |
| <b>Network</b>              |  |  |
| Network storage             | NAS  |  |
| Alarm trigger               | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error        |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |  |
| System compatibility        | ONVIF, PSIA, CGI   |  |
| General functionalities     | User authentication, watermark   |  |
| <b>Interface</b>            |  |  |
| Communication interface     | 1 RJ45 10 M / 100 M Ethernet interface   |  |
| <b>General</b>              |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |
| Power consumption           | Max. 5.5W (7.5W with ICR on)   |  |
| Weather proof rating        | IP66   |  |
| EXIR range                  | Up to 30m  |  |
| Dimension                   | Φ 127 x 97.5 mm  |  |
| Weight                      | 670g   |  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CD2412F-I(W)/22F-I(W)/32F-I(W)

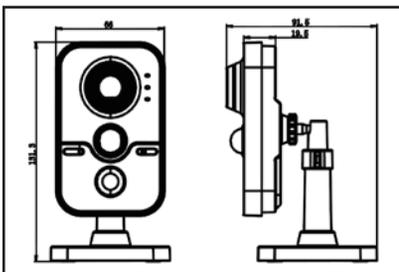
## IR Cube Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- PIR detection
- IR LEDs (up to 10m)
- DWDR & 3D DNR & BLC
- PoE
- SD/SDHC/SDXC card slot (up to 64GB)
- Wi-Fi optional (WPS connection)

### Dimensions



### Available models

DS-2CD2412F-I, DS-2CD2412F-IW  
 DS-2CD2422F-I, DS-2CD2422F-IW  
 DS-2CD2432F-I, DS-2CD2432F-IW  
 \* -W: Wi-Fi

|   | DS-2CD2412F-I (W)  | DS-2CD2422F-I (W)  | DS-2CD2432F-I (W)   |
|---|--|--|---|
| <b>Camera</b>                               |  |  |   |
| Image sensor                                | 1/3" progressive scan CMOS   |  |   |
| Min. illumination                           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  |  | 0.07 lux @F1.2, AGC ON, 0 lux with IR   |
| Shutter time                                | 1/3s ~ 1/100,100s  |  |   |
| Lens  | 4mm@ F2.0, Angle of view: 73.1°(2.8mm, 6mm optional)   | 4mm@ F2.0 (2.8mm, 6mm optional)<br>Angle of view: 106°(2.8mm), 85°(4mm), 52°(6mm)              | 4mm@ F2.0 (2.8mm, 6mm optional)<br>2048 x 1536: Angle of view: 86°(4mm), 70°(4mm), 43.3°(6mm)<br>1920 x 1080: Angle of view: 98.5°(4mm), 79°(4mm), 49°(6mm) |
| Lens mount                                  | M12  |  |   |
| Day & night                                 | ICR  |  |   |
| Digital noise reduction                     | 3D DNR   |  |   |
| Wide dynamic range                          | Digital WDR  |  |   |
| Backlight compensation                      | Yes, zone configurable   |  |   |
| <b>Compression Standard</b>                 |  |  |   |
| Video compression                           | H.264 / MJPEG  |  |   |
| H.264 codec profile                         | Main profile   |  |   |
| Bit rate                                    | 32 Kbps ~ 12 Mbps  |  |   |
| Audio compression                           | G.711/G.722.1/G.726/MP2L2  |  |   |
| Audio bit rate                              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |  |   |
| <b>Image</b>                                |  |  |   |
| Max. Image Resolution                       | 1280 x 960   | 1920 x 1080  | 2048 x 1536   |
| Frame rate                                  | 50 Hz: 25 fps (1280 x 960), 25 fps (1280 x 720), 25 fps (704 x 576), 25 fps (640 x 480)<br>60 Hz: 30 fps (1280 x 960), 30 fps (1280 x 720), 30 fps (704 x 576), 30 fps (640 x 480) | 50Hz: 25fps (1920 x 1080), 25fps (1280 x 720)<br>60Hz: 30fps (1920 x 1080), 30fps (1280 x 720) | 50Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)                    |
| Image settings                              | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser   |  |   |
| <b>Network</b>                              |  |  |   |
| Network storage                             | NAS  |  |   |
| Alarm trigger                               | PIR detection, motion detection, tampering alarm, network disconnect, IP address conflict, storage exception, storage error  |  |   |
| Protocols                                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |   |
| System compatibility                        | ONVIF, PSIA, CGI   |  |   |
| General functionalities                     | Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark  |  |   |
| <b>Interface</b>                            |  |  |   |
| Communication interface                     | 1 RJ45 10 M / 100 M Ethernet interface   |  |   |
| Onboard storage                             | Up to 64GB SD/SDHC/SDXC card slot  |  |   |
| Alarm I/O                                   | 1/1  |  |   |
| <b>Wi-Fi parameters (only for -W model)</b> |  |  |   |
| Wi-Fi standard                              | IEEE802.11b/g/n  |  |   |
| Frequency range                             | 2.4 GHz ~ 2.4835 GHz   |  |   |
| Communication bandwidth                     | Support 20/40 MHz  |  |   |
| Security                                    | 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS  |  |   |
| Transmission rate                           | 11b: 11Mbps, 11g: 54Mbps, 11n: 150Mbps   |  |   |
| Transmission range                          | 50m (The performance varies based on actual environment.)  |  |   |
| <b>General</b>                              |  |  |   |
| Operating conditions                        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |   |
| Power supply                                | 12 VDC ± 10% , PoE (802.3af)   |  |   |
| Power consumption                           | Max. 5W  |  |   |
| PIR   | Up to 10m, max. detection angle: 80°   |  |   |
| IR range                                    | Max. 10m   |  |   |
| Dimension                                   | 66×91.5×131.3mm(2.60"×3.60" ×5.17")  |  |   |
| Weight                                      | 400g   |  |   |

# DS-2CD2512F-I(S)/22F-I(S)/32F-I(S)

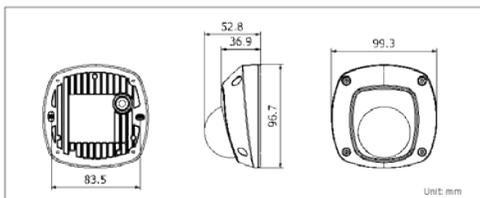
## IR Mini Dome Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- IR LEDs (up to 10m)
- DWDR & 3D DNR & BLC
- Onboard storage (up to 64GB)
- -S: Audio/Alarm IO
- IP66 protection
- Built-in Mic

### Dimensions



### Available models

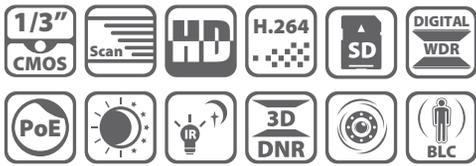
DS-2CD2512F-I, DS-2CD2512F-IS  
 DS-2CD2522F-I, DS-2CD2522F-IS  
 DS-2CD2532F-I, DS-2CD2532F-IS  
 \* -S: Audio/Alarm IO

|                             | DS-2CD2512F-I (S)  | DS-2CD2522F-I (S)  | DS-2CD2532F-I (S)  |
|-----------------------------|--|--|--|
| <b>Camera</b>               |  |  |  |
| Image sensor                | 1/3" progressive scan CMOS   |  |  |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  |  | 0.07 lux @F1.2, AGC ON, 0 lux with IR  |
| Shutter time                | 1/3s ~ 1/100,100s  |  |  |
| Lens                        | 4mm@F2.0, angle of view: 73.1° (4mm) (2.8mm, 6mm optional)   | 4mm @ F2.0 (2.8mm, 6mm optional)<br>Angle of view: 106°(2.8mm), 85°(4mm), 52°(6mm)             | 4mm @ F2.0 (2.8mm, 6mm optional)<br>2048 × 1536: Angle of view: 86°(2.8mm), 70°(4mm), 43.3°(6mm)<br>1920 × 1080: Angle of view: 98.5°(2.8mm), 79°(4mm), 49°(6mm) |
| Lens mount                  | M12  |  |  |
| Day & night                 | ICR  |  |  |
| Adjustment angle            | Horizontal: ±30°, vertical: 0~80°, rotation: 0~360°  |  |  |
| Digital noise reduction     | 3D DNR   |  |  |
| Wide dynamic range          | Digital WDR  |  |  |
| Backlight compensation      | Yes, zone configurable   |  |  |
| <b>Compression Standard</b> |  |  |  |
| Video compression           | H.264 / MJPEG  |  |  |
| H.264 codec profile         | Main profile   |  |  |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |  |  |
| Audio compression (-S)      | G.711/G.722.1/G.726/MP2L2  |  |  |
| Audio bit rate (-S)         | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |  |  |
| <b>Image</b>                |  |  |  |
| Max. Image Resolution       | 1280 × 960   | 1920 × 1080  | 2048 × 1536  |
| Frame rate                  | 50Hz: 25fps (1280 × 960), 25fps (1280 × 720), 25fps (704 × 576), 25fps (640 × 480)<br>60Hz: 30fps (1280 × 960), 30fps (1280 × 720), 30fps (704 × 576), 30fps (640 × 480) | 50Hz: 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080), 30fps (1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720)                         |
| Image settings              | Saturation, brightness, sharpness, contrast, sharpness adjustable through client software or web browser   |  |  |
| <b>Network</b>              |  |  |  |
| Network storage             | NAS  |  |  |
| Alarm trigger               | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error  |  |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |  |
| System compatibility        | ONVIF, PSIA, CGI   |  |  |
| General functionalities     | Flickerless, dual stream, heartbeat, mirror, user authentication, video mask, watermark  |  |  |
| <b>Interface</b>            |  |  |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |  |  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB   |  |  |
| Alarm interface             | -S: 1/1 alarm I/O; built-in Mic, 1 audio output  |  |  |
| <b>General</b>              |  |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |  |
| Power consumption           | Max. 5W  |  |  |
| Ingress protection level    | IP66   |  |  |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK08   |  |  |
| IR range                    | Up to 10m  |  |  |
| Dimensions                  | 99.3×96.7×52.8mm   |  |  |
| Weight                      | 600g   |  |  |

PTZ DOME  
 NETWORK  
 ANALOG  
 DVR  
 NVR  
 ATM DVR  
 VIDEO ENCODER  
 CARD  
 NETWORK STORAGE

# DS-2CD2612F-I(S)/22F-I (S)/32F-I(S)

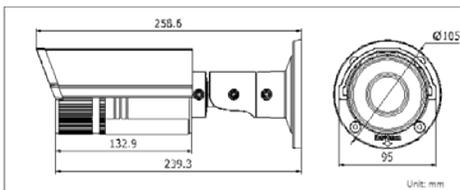
## VF IR Bullet Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- Vari-focal lens
- IR LEDs (up to 30m)
- DWDR & 3D DNR & BLC
- IP66
- Onboard storage (up to 64GB)
- (-S) Audio I/O, Alarm I/O

### Dimensions



### Available models

DS-2CD2612F-I, DS-2CD2612F-IS  
 DS-2CD2622F-I, DS-2CD2622F-IS  
 DS-2CD2632F-I, DS-2CD2632F-IS

\* -S: 1-ch audio I/O interface  
 1-ch alarm I/O interface

|                             | DS-2CD2612F-I(S)   | DS-2CD2622F-I(S)   | DS-2CD2632F-I(S)   |
|-----------------------------|--|--|--|
| <b>Camera</b>               |  |  |  |
| Image sensor                | 1/3" progressive scan CMOS   |  |  |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  | 0.01 lux @F1.2, AGC ON, 0.014 lux @F1.4, AGC ON, 0 lux with IR                                 | 0.07 lux @F1.2, AGC ON, 0.1 lux @F1.4, AGC ON, 0 lux with IR   |
| Shutter time                | 1/3s ~ 1/100,100s  |  |  |
| Lens                        | 2.8 ~ 12 mm @F1.4, angle of view: 98.4-30.2°   | 2.8 ~ 12 mm @F1.4, angle of view: 113-33.8°  | 2.8 ~ 12 mm @F1.4, angle of view: 91.2-28.3°   |
| Lens mount                  | Φ14  |  |  |
| Day & night                 | ICR  |  |  |
| Digital noise reduction     | 3D DNR   |  |  |
| Wide dynamic range          | Digital WDR  |  |  |
| Backlight compensation      | Yes, zone configurable   |  |  |
| <b>Compression Standard</b> |  |  |  |
| Video compression           | H.264 / MJPEG  |  |  |
| H.264 codec profile         | Main profile   |  |  |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |  |  |
| Audio compression (-S)      | G.711/G.722.1/G.726/MP2L2  |  |  |
| Audio bit rate (-S)         | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |  |  |
| <b>Image</b>                |  |  |  |
| Max. Image Resolution       | 1280 × 960   | 1920 × 1080  | 2048 × 1536  |
| Frame rate                  | 50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576), 25 fps (640 × 480)<br>60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576), 30 fps (640 × 480) | 50Hz: 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080), 30fps (1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720) |
| Image settings              | Saturation, brightness, contrast, sharpness adjustable through client software or web browser  |  |  |
| <b>Network</b>              |  |  |  |
| Network storage             | NAS  |  |  |
| Alarm trigger               | Motion detection, Dynamic Analysis, Tampering alarm, Network disconnect, IP address conflict, Storage full, Storage error  |  |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |  |
| System compatibility        | ONVIF, PSIA, CGI   |  |  |
| General functionalities     | User authentication, watermark, dual stream  |  |  |
| <b>Interface</b>            |  |  |  |
| Communication interface     | 1 RJ45 10 M / 100 M Ethernet port  |  |  |
| Onboard storage             | Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB   |  |  |
| <b>General</b>              |  |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |  |
| Power consumption           | Max. 5.5W (7.5W with ICR on)   |  |  |
| Ingress protection level    | IP66   |  |  |
| IR range                    | Up to 30m  |  |  |
| Dimensions                  | 95 x 105 x 258.6 mm  |  |  |
| Weight                      | 1200g  |  |  |

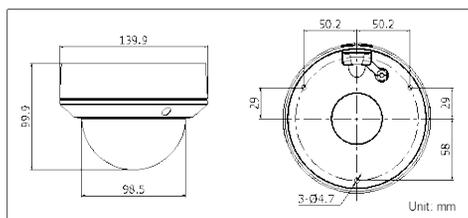
# DS-2CD2712F-I(S)/22F-I (S)/32F-I(S) VF IR Dome Network Camera



## Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- IR LEDs: up to 30m
- DWDR & 3D DNR & BLC
- Onboard storage (up to 64GB)
- (-S) Audio I/O, Alarm I/O
- IP66
- Vandal-proof

## Dimensions



## Available models

DS-2CD2712F-I, DS-2CD2712F-IS  
DS-2CD2722F-I, DS-2CD2722F-IS  
DS-2CD2732F-I, DS-2CD2732F-IS

\* -S: Audio I/O interface  
Alarm I/O interface.

|                             | DS-2CD2712F-I(S)   | DS-2CD2722F-I(S)   | DS-2CD2732F-I(S)   |
|-----------------------------|--|--|--|
| <b>Camera</b>               |  |  |  |
| Image sensor                | 1/3" progressive scan CMOS   |  |  |
| Min. illumination           | 0.01 lux @F1.2, AGC ON, 0 lux with IR  | 0.01 lux @F1.2, AGC ON, 0.014 lux @F1.4, AGC ON, 0 lux with IR                                       | 0.07 lux @F1.2, AGC ON, 0.1 lux @F1.4, AGC ON, 0 lux with IR   |
| Shutter time                | 1/3s - 1/100,100s  |  |  |
| Lens                        | 2.8 ~ 12 mm @F1.4, angle of view: 98.4°-30.2°  | 2.8 ~ 12 mm @F1.4, angle of view: 113°-33.8°   | 2.8 ~ 12 mm @F1.4, angle of view: 91.2°-28.3°  |
| Lens mount                  | Φ14  |  |  |
| Auto iris                   | DC drive   |  |  |
| Day & night                 | ICR  |  |  |
| Digital noise reduction     | 3D DNR   |  |  |
| Wide dynamic range          | Digital WDR  |  |  |
| Backlight compensation      | Yes, zone configurable   |  |  |
| Angle adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |  |  |
| <b>Compression Standard</b> |  |  |  |
| Video compression           | H.264 / MJPEG  |  |  |
| H.264 codec profile         | Main profile   |  |  |
| Bit rate                    | 32 Kbps ~ 16 Mbps  |  |  |
| Audio compression (-S)      | G.711/G.722.1/G.726/MP2L2  |  |  |
| Audio bit rate (-S)         | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |  |  |
| <b>Image</b>                |  |  |  |
| Max. Image Resolution       | 1280 × 960   | 1920 × 1080  | 2048 × 1536  |
| Frame rate                  | 50 Hz: 25 fps (1280 × 960), 25 fps (1280 × 720), 25 fps (704 × 576),<br>25 fps (640 × 480)<br>60 Hz: 30 fps (1280 × 960), 30 fps (1280 × 720), 30 fps (704 × 576),<br>30 fps (640 × 480) | 50Hz: 25fps (1920 × 1080),<br>25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080),<br>30fps (1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720) |
| Image settings              | Saturation, brightness, contrast, sharpness adjustable through client software or web browser  |  |  |
| <b>Network</b>              |  |  |  |
| Network storage             | NAS  |  |  |
| Alarm trigger               | Motion detection, tampering alarm, scene change detection, face detection, intrusion detection   |  |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |  |  |
| System compatibility        | ONVIF, PSIA, CGI   |  |  |
| General functionalities     | User authentication, watermark, dual stream  |  |  |
| <b>Interface</b>            |  |  |  |
| Communication interface     | 1 RJ45 10 M / 100 M Ethernet interface   |  |  |
| Onboard storage             | Built-in Micro SD / SDHC / SDXC card slot, up to 64 GB   |  |  |
| <b>General</b>              |  |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |  |
| Power consumption           | Max. 5.5W (max. 7W with ICR on)  |  |  |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |  |  |
| Ingress protection level    | IP66   |  |  |
| IR range                    | Up to 30m  |  |  |
| Dimensions                  | Φ 140 x 99.9 mm  |  |  |
| Weight                      | 1000g  |  |  |

# DS-2CD2942F-(I)(S)

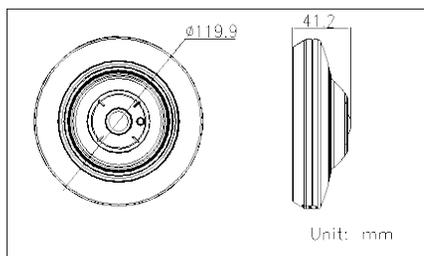
## 4MP Compact Fisheye Network Camera



### Key features

- 180° Panoramic View (Ceiling Mount)
- 180° Panoramic View (Wall Mount)
- Up to 8m IR
- Intrusion Detection & Line Crossing Detection
- Multi-view De-warping with digital PTZ
- Ultra-compact design

### Dimensions



### Accessories



DS-1294ZJ Wall mount

### Available Models

DS-2CD2942F, DS-2CD2942F-I  
DS-2CD2942F-IS

-I: IR LEDs  
-S: Audio/Alarm IO

| DS-2CD2942F-(I)(S)          |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image Sensor                | 1/3" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.01lux @(F1.2, AGC ON)<br>B/W: 0.001lux @(F1.2, AGC ON), 0 lux with IR   |
| Shutter Time                | 1/3 s to 1/100,000 s   |
| Lens                        | 1.6mm, F1.6<br>Angle of view: 180°(horizontal), 106°(vertical)   |
| Lens Mount                  | M12  |
| Day & Night                 | Electronic   |
| <b>Compression Standard</b> |  |
| Video Compression           | H.264/MJPEG  |
| H.264 Compression Profile   | Baseline Profile / Main Profile  |
| Bit Rate                    | 32 Kbps – 8 Mbps   |
| <b>Image</b>                |  |
| Max. Image Resolution       | 2560 x 1440  |
| Frame Rate                  | 50Hz: 12.5fps (2560 x 1440), 25fps(1920×1080, 1280×720)<br>60Hz: 15fps (2560 x 1440), 30fps(1920×1080, 1280×720)                 |
| Digital Noise Reduction     | 3D DNR   |
| Image Setting               | Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance   |
| Day/Night Switch            | Auto/ Scheduled/ Alarm Trigger   |
| <b>Network</b>              |  |
| Network Storage             | NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger               | Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception                  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTp, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| <b>Interface</b>            |  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet interface<br>1 RS485 interface(-S)  |
| Onboard Storage             | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| <b>General</b>              |  |
| Operating Conditions        | -10°C ~ 40°C (14°F ~ 104°F), Humidity 95% or less (non-condensing)   |
| Power Supply                | 12 VDC ± 10% / PoE (802.3af)   |
| Power Consumption           | Max. 5.55W   |
| Mount Type                  | Ceiling mounting, Wall mounting, Table mounting  |
| Software Dewarping          | By web component or client   |
| Dimensions (mm)             | Φ 119.9 x 41.2   |
| Weight                      | 600g   |

# DS-2CD2T12/22/32-I3/-I5/-I8

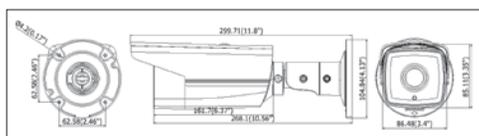
## EXIR Bullet Network Camera



### Key features

- 1.3MP / 2MP / 3MP high resolution
- HD real-time video
- DWDR & 3D DNR
- EXIR illuminators: up to 80m
- IP66
- PoE
- Bracket included

### Dimensions



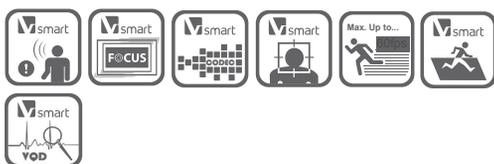
### Available models

DS-2CD2T12-I3, DS-2CD2T12-I5, DS-2CD2T12-I8  
 DS-2CD2T22-I3, DS-2CD2T22-I5, DS-2CD2T22-I8  
 DS-2CD2T32-I3, DS-2CD2T32-I5, DS-2CD2T32-I8

|                             | DS-2CD2T12-I3/-I5/-I8  | DS-2CD2T22-I3/-I5/-I8  | DS-2CD2T32-I3/-I5/-I8  |
|-----------------------------|--|--|--|
| <b>Camera</b>               |  |  |  |
| Image sensor                | 1/3" Progressive Scan CMOS   |  |  |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR  |  | 0.07 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.1 Lux @(F1.4,AGC ON), 0 Lux with IR  |
| Shutter time                | 1/3 s to 1/100,000 s   |  |  |
| Lens                        | 4 mm @ F2.0 (6mm, 16mm optional)Angle of view: 73.1°   | 4 mm @ F2.0 (6mm, 16mm optional)Angle of view: 85°   | 4 mm @ F2.0 (6mm, 16mm optional)Angle of view: 76.5°   |
| Lens mount                  | M12  |  |  |
| Day & night                 | ICR  |  |  |
| Digital noise reduction     | 3D DNR   |  |  |
| Wide dynamic range          | Digital WDR  |  |  |
| <b>Compression Standard</b> |  |  |  |
| Video compression           | H.264 / MJPEG  |  |  |
| H.264 codec profile         | Main Profile   |  |  |
| Bit rate                    | 32 Kbps ~ 12 Mbps  |  |  |
| Dual Stream                 | Yes  |  |  |
| <b>Image</b>                |  |  |  |
| Max. Image Resolution       | 1280 x 960   | 1920 X 1080  | 2048 x 1536  |
| Frame rate                  | 50 Hz: 25 fps (1280 x 960), 25 fps (1280 x 720)<br>60 Hz: 30 fps (1280 x 960), 30 fps  | 50 Hz: 25fps(1920 x 1080), 25 fps (1280 x 960), 25 fps (1280 x 720)<br>60 Hz: 25fps(1920 x 1080), 30 fps (1280 x 960), 30 fps (1280 x 720) | 50Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720) |
| Image settings              | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser                                       |  |  |
| Backlight compensation      | Yes, zone optional   |  |  |
| ROI                         | Support  |  |  |
| <b>Network</b>              |  |  |  |
| Network storage             | NAS  |  |  |
| Alarm trigger               | Motion detection, tampering alarm, scene change detection, face detection, intrusion detection, Line crossing detection          |  |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |  |  |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |  |  |
| General functionalities     | User Authentication, Watermark, IP address filtering, Anonymous access   |  |  |
| <b>Interface</b>            |  |  |  |
| Communication interface     | 1 RJ45 10M / 100M Ethernet interface   |  |  |
| Onboard storage             | Built-in Micro SD/SDHC/SDXC card slot, up to 64 GB   |  |  |
| <b>General</b>              |  |  |  |
| Operating conditions        | -30 °C ~ 60 °C (-22°F ~ 140 °F) humidity 95% or less (non-condensing)  |  |  |
| Power supply                | 12 VDC ± 10% , PoE (802.3af)   |  |  |
| Power consumption           | -I3: max. 5W<br>-I5: max. 6.5W<br>-I8: max 9.5W  | -I3: max. 5.5W<br>-I5: max. 7W<br>-I8: max 10W   | -I3: max. 6W<br>-I5: max. 7.5W<br>-I8: max 10.5W   |
| Ingress protection level    | IP66   |  |  |
| IR range                    | -I3: 1pcs EXIR LED, up to 30m<br>-I5: 2pcs EXIR LEDs, up to 50m<br>-I8: 4pcs EXIR LEDs, up to 80m                                |  |  |
| Dimensions                  | Φ 105mm×300mm  |  |  |
| Weight                      | 1200g  |  |  |

# DS-2CD4012F-(A)(P)

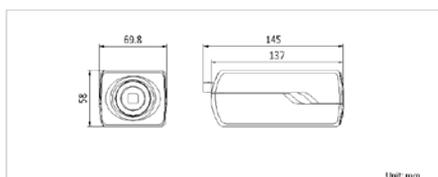
## 1.3MP Low-light Box Camera



### Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)

### Dimension



### Available Models

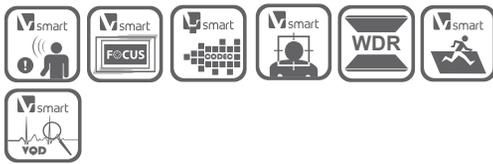
DS-2CD4012F, DS-2CD4012F-A,  
DS-2CD4012F-AP

- \* -A: Auto Back Focus
- \* -P: P-Iris

| DS-2CD4012F-(A)(P)          |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | Color: 0.01 lux@F1.2, AGC on<br>B/W: 0.001 lux@F1.2, AGC on  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens mount                  | C/CS mount   |
| Auto iris                   | DC drive (-P: P-Iris)  |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| Smart Focus                 | Auto Back Focus *only for -A model   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 1024  |
| Frame rate                  | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)                             |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| Backlight compensation      | Yes, zone configurable   |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, face detection, motion detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)                      |
| Security                    | User authentication, watermark, IP address filtering, anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| Reset                       | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 24 VAC± 10%, 12 VDC ± 10%, PoE (802.3af)   |
| Power consumption           | Max. 6W (max. 9W with ICR on)  |
| Dimensions                  | 69.8 x 58 x 145 mm (2.68" x 2.56" x 5.70")   |
| Weight                      | 830g (1.83 lbs)  |

# DS-2CD4012FWD-(A)(P)

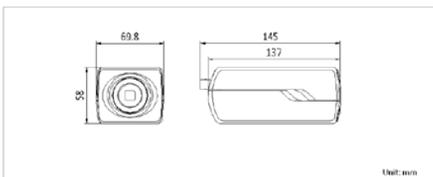
## 1.3MP WDR Box Camera



### Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)

### Dimension



### Available Models

DS-2CD4012FWD, DS-2CD4012FWD-A  
DS-2CD4012FWD-AP

\* -A: Auto Back Focus  
\* -P: P-Iris

| DS-2CD4012FWD-(A)(P)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | Color: 0.01 lux@F1.2, AGC on<br>B/W: 0.001 lux@F1.2, AGC on  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens mount                  | C/CS mount   |
| Auto iris                   | DC drive (-P: P-Iris)  |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| Smart Focus                 | Auto Back Focus *only for -A model   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps - 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 960   |
| Frame rate                  | 50Hz: 25fps (1280 x 960) , 50fps (1280 x 720)<br>60Hz: 25fps (1280 x 960) , 60fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)                      |
| Security                    | User authentication, watermark, IP address filtering, anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| Reset                       | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6W (max. 9W with ICR on)  |
| Dimensions                  | 69.8 × 58 × 145 mm (2.68" × 2.56" × 5.70")   |
| Weight                      | 830g (1.83 lbs)  |

PTZ DOME  
NETWORK  
ANALOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-2CD4024F-(A)(P)

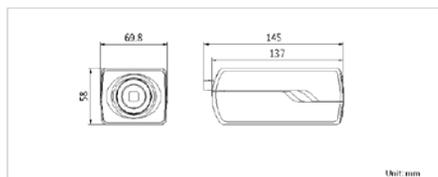
## 2MP Full HD Box Camera



### Key features

- Up to 1920 x 1080 high resolution
- Full HD 1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)

### Dimensions



### Available models

DS-2CD4024F, DS-2CD4024F-A,  
DS-2CD4024F-AP

\* -A: Auto Back Focus

\* -P: P-Iris

| DS-2CD4024F-(A)(P)          |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" progressive scan CMOS   |
| Min. illumination           | Color: 0.01 lux@F1.2, AGC on<br>B/W: 0.001 lux@F1.2, AGC on  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens mount                  | C/CS mount   |
| Auto iris                   | DC drive (-P: P-Iris)  |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| Smart Focus                 | Auto Back Focus *only for -A model   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1920 x 1080  |
| Frame rate                  | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720)<br>60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)                             |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour                                     |
| Security                    | User authentication, watermark, IP address filtering, anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| Reset                       | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6W (max. 9W with ICR on)  |
| Dimensions                  | 69.8 × 58 × 145 mm (2.68" × 2.56" × 5.70")   |
| Weight                      | 830g (1.83 lbs)  |

# DS-2CD4025FWD-(A)(P)

## 2MP Smart IP Box Camera



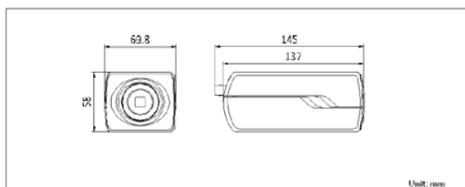
**LIGHTFIGHTER**



### Key features

- 1/2.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- -A: Auto Back Focus
- -P: P-Iris
- Audio/Alarm IO
- Support 64G on-board storage
- DC12V/AC24V/PoE(802.3af)

### Dimension



### Available Models

DS-2CD4025FWD  
DS-2CD4025FWD-A  
DS-2CD4025FWD-AP

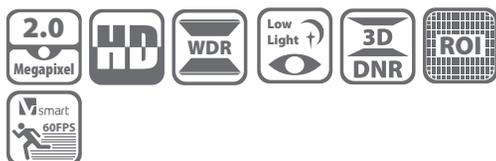
| DS-2CD4025FWD-(A)(P)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image Sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. Illumination           | Color: 0.005 Lux @ (F1.2, AGC ON), B/W: 0.0005 Lux @ (F1.2, AGC ON)  |
| Shutter Speed               | 1s ~ 1/100,000s  |
| Slow Shutter                | Support  |
| Lens Mount                  | C/CS mount   |
| Auto-iris                   | DC drive(-P: support P-Iris)   |
| Day & Night                 | IR cut filter with auto switch   |
| WDR                         | 140dB  |
| Focus                       | -A: support ABF  |
| <b>Compression standard</b> |  |
| Video Compression           | H.264/MPEG4/MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps ~ 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 1920 × 1080  |
| Frame Rate                  | 50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720)<br>60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920 × 1080); 60Hz: 30fps (1920 × 1080)  |
| Image Enhancement           | BLC/HLC/3D DNR/ROI/Defog   |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast adjustable by client software or web browser   |
| Regional Cropping           | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format  |
| <b>Network</b>              |  |
| Network Storage             | NAS (Support NFS,SMB/CIFS), ANR  |
| Alarm Trigger               | Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |
| Protocols                   | TCP/IP,UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF (PROFILE S,PROFILE G),PSIA,CGI,ISAPI   |
| <b>Interface</b>            |  |
| Audio                       | 1-ch 3.5 mm audio in (Mic in/Line in)/out interface, 1 build-in Microphone   |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface   |
| Alarm                       | 1 input, 1 output (up to DC24V 1A or AC110V 500mA )  |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)  |
| On-board storage            | Build-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset Button                | Yes  |
| <b>Audio</b>                |  |
| Environment Noise Filtering | Support  |
| Audio I/O                   | Support dual audio track, stereo   |
| Audio Sampling Rate         | 16kHz / 32kHz / 44.1kHz / 48kHz  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| ANPR                        | Automatic Lincense Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |  |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)  |
| Power Supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)  |
| Power Consumption           | Max. 6 W (Max. 9W with IR cut filter on)   |
| Dimensions                  | 69.8×58×145 mm (2.75" × 2.28" × 5.71")   |
| Weight                      | 830g (1.83 lbs)  |

# DS-2CD4026FWD-(A)(P)

## 2MP Ultra Low-light Box Network Camera



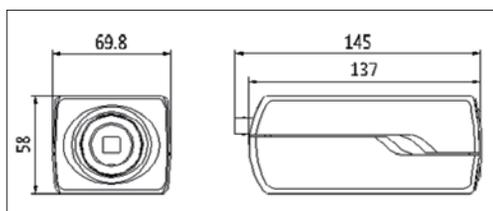
**DARKFIGHTER**



### Key Features

- 1/1.8" progressive scan CMOS
- Full HD1080p video, up to 60fps
- Ultra Low-light
- 120dB WDR
- 3D DNR
- ROI codec
- Audio/Alarm IO
- DarkEye SLA Lens 07~33mm
- Full Smart Feature-set
- (-A) Auto back focus optional

### Dimensions



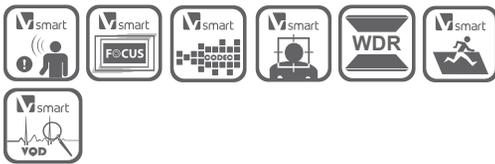
### Available models

DS-2CD4026FWD  
DS-2CD4026FWD-A  
DS-2CD4026FWD-AP

| DS-2CD4026FWD-(A)(P)        |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | Color: 0.001 Lux @ (F1.2, AGC ON); B/W: 0.0001 Lux @ (F1.2, AGC ON)   |
| Shutter time                | 1/1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens mount                  | C/CS mount  |
| Auto-iris                   | DC drive  |
| Day & night                 | IR cut filter with auto switch  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | 120dB   |
| Focus                       | ABF(-A model)   |
| <b>Compression standard</b> |   |
| Video compression           | H.264/MPEG4/MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 × 1080   |
| Frame rate                  | WDR OFF:<br>50Hz: 50fps (1920 × 1080), 50fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 60fps (1920 × 1080), 60fps (1280 × 960), 60fps (1280 × 720)<br>WDR ON:<br>50Hz: 25fps (1920 × 1080), 25fps (1280 × 960), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080), 30fps (1280 × 960), 30fps (1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream,<br>up to 50Hz: 25fps (1920 × 1080); 60Hz: 30fps (1920 × 1080)  |
| BLC                         | Support, zone optional  |
| Defog                       | Support   |
| EIS                         | Support   |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network storage             | NAS   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm Input / Output        | 1 / 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDXC slot, up to 64 GB  |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)   |
| Power supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)   |
| Power consumption           | Max. 6 W (Max. 9W with IR cut filter on)  |
| Dimensions                  | 69.8×58×145 mm (2.68" × 2.56" × 5.70")  |
| Weight                      | 830g (1.83 lbs)   |

# DS-2CD4032FWD-(A)(P)

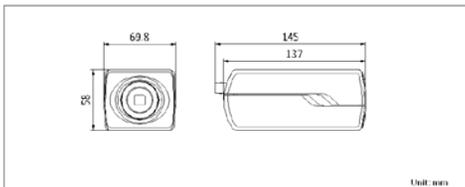
## 3MP WDR Box Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF (-A)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional (-P)

### Dimensions



### Available models

DS-2CD4032FWD, DS-2CD4032FWD-A  
DS-2CD4032FWD-AP

\* -A: Auto Back Focus  
\* -P: P-Iris

| DS-2CD4032FWD-(A)(P)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | Color: 0.1 lux@F1.2, AGC on<br>B/W: 0.01 lux@F1.2, AGC on  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens mount                  | C/CS mount   |
| Auto iris                   | DC drive (-P: P-Iris)  |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| Smart Focus                 | Auto Back Focus *only for -A model   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 2048 x 1536  |
| Frame rate                  | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)                           |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)                      |
| Security                    | User authentication, watermark, IP address filtering, anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in, 1-ch built-in Microphone   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| Reset                       | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F)<br>humidity 95% or less (non-condensing)  |
| Power supply                | 24VAC± 10%, 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6.5W (max. 9.5W with ICR on)  |
| Dimensions                  | 69.8 × 58 × 145 mm (2.68" × 2.56" × 5.70")   |
| Weight                      | 830g (1.83 lbs)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

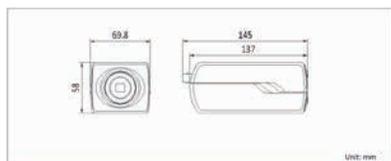
# DS-2CD4035F-(A)(AP) 3MP Smart IP Box Camera



## Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF(-A)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio,built-in Mic
- Defog
- P-Iris optional(-P)

## Dimensions



## Available models

DS-2CD4035F,  
DS-2CD4035F-A  
DS-2CD4035F-AP

| DS-2CD4035F-(A)(AP)         |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | Progressive scan cmos   |
| Min. Illumination           | Color: 0.05 Lux @ (f1.2, Agc on)<br>B/w: 0.005 Lux @ (f1.2, Agc on)   |
| Shutter speed               | 1 S to 1/100,000 s  |
| Slow shutter                | Support   |
| Lens mount                  | C/cs mount  |
| Auto-iris                   | Ds drive (p iris: -p model)   |
| Day & night                 | Ir cut filter with auto switch  |
| Digital noise reduction     | 3D dnr  |
| Wide dynamic range          | Dwdr  |
| <b>Compression standard</b> |   |
| Video compression           | H.264/ Mjpeg  |
| H.264 Type                  | Baseline profile / main profile / high profile  |
| Video bit rate              | 32 Kbps – 16 mbps   |
| Audio compression           | G.711/G.722.1/G.726/Mp2l2   |
| Audio bit rate              | 64Kbps(g.711) / 16Kbps(g.722.1) / 16Kbps(g.726) / 32-128Kbps(mp2l2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 2048X1536   |
| Main stream                 | 50Hz: 50fps (2048 × 1536,1920 × 1080,1280 × 720)<br>60Hz: 48fps@ (2048 × 1536), 60fps (1920 × 1080,1280 × 720)  |
| Third stream                | Independent with main stream and sub stream, up to<br>50Hz: 25fps (2048 × 1536)<br>60Hz: 30fps (2048 × 1536)  |
| Blc                         | Support   |
| Hlc                         | Support   |
| Defog                       | Support   |
| Image setting               | Rotate mode, saturation, brightness, contrast are adjustable by client software or web browser  |
| Day/night switch            | Auto/schedule/triggered by alarm in   |
| Roi                         | Support   |
| Picture overlay             | 128X128 24bit bmp format overlay, zone optional   |
| <b>Network</b>              |   |
| Network storage             | Nas (support nfs,smb/cifs)  |
| Alarm trigger               | Intrusion detection, defocus detection, motion detection, face detection, dynamic analysis, tampering alarm, network disconnect, ip address conflict, storage exception |
| Protocols                   | Top/ip,icmp,http,https,ftp,dhcp,dns,ddns,rtp,rtsp,rtpc, Pppoe,ntp,upnp.smtp.snmp.igmp,802.1X,qos.ipv6,bonjour   |
| Security                    | User authentication, watermark, ip address filtering, anonymous access  |
| Standard                    | Onvif, psia, cgi, isapi   |
| <b>Interface</b>            |   |
| Audio input                 | 1-Ch 3.5 Mm audio interface, mic in/line in. 1 Build-in microphone  |
| Audio output                | 1-Ch 3.5 Mm audio interface   |
| Communication interface     | 1 Rj45 10m/100m ethernet port, 1 rs-485 interface and 1 rs-232 interface  |
| Alarm input                 | 1   |
| Alarm output                | 1   |
| Video output                | 1Vp-p composite output (75 Ω/bnc)   |
| On-board storage            | Built-in micro sd/sdhc/sdxc slot, up to 64 gb   |
| Reset button                | Yes   |
| <b>Smart feature-set</b>    |   |
| Behavior analysis           | Line crossing detection, intrusion detection, region entrance, region exiting, unattended baggage, object removal   |
| Line crossing detection     | Cross a pre-defined virtual line  |
| Intrusion detection         | Enter and loiter in a pre-defined virtual region  |
| Region entrance             | Enter a pre-defined virtual region from the outside place   |
| Region exiting              | Exit from a pre-defined virtual region  |
| Unattended baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception detections        | Scene change detection, sudden audio increase/decrease detection, audio loss detection, defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object counting (entrance and exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °f – 140 °f)<br>Humidity 95% or less (non-condensing)   |
| Power supply                | 24 V ac ± 10%, 12 v dc ± 10%, poe (802.3Af)   |
| Power consumption           | Max. 6 W (max. 9W with ir cut filter on)  |
| Dimensions                  | 69.8×58×145 Mm (2.68" × 2.56" × 5.70")  |
| Weight                      | 830g (1.83 lbs)   |

# DS-2CD4035FWD-(A)(AP)

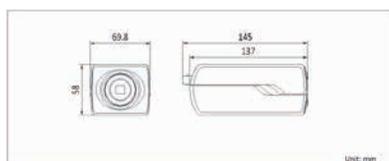
## 3MP WDR Smart IP Box Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: ABF(-A)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Two way audio, built-in Mic
- Defog
- P-Iris optional(-P)

### Dimensions



### Available models

DS-2CD4035FWD,  
DS-2CD4035FWD-A  
DS-2CD4035FWD-AP

| DS-2CD4035FWD-(A)(AP)       |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | Progressive scan cmos   |
| Min. Illumination           | Color: 0.01 Lux @ (f1.2, Agc on)<br>B/w: 0.001 Lux @ (f1.2, Agc on)   |
| Shutter speed               | 1 S to 1/100,000 s  |
| Slow shutter                | Support   |
| Lens mount                  | C/cs mount  |
| Auto-iris                   | Ds drive (p iris: -p model)   |
| Day & night                 | Ir cut filter with auto switch  |
| Digital noise reduction     | 3D dnr  |
| Wide dynamic range          | 120Db wdr   |
| <b>Compression standard</b> |   |
| Video compression           | H.264/ Mjpeg  |
| H.264 Type                  | Baseline profile / main profile / high profile  |
| Video bit rate              | 32 Kbps – 16 mbps   |
| Audio compression           | G.711/G.722.1/G.726/Mp2l2   |
| Audio bit rate              | 64Kbps(g.711) / 16Kbps(g.722.1) / 16Kbps(g.726) / 32-128Kbps(mp2l2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 2048X1536   |
| Main stream                 | 50Hz: 50fps (2048 × 1536, 1920 × 1080, 1280 × 720)<br>60Hz: 48fps@ (2048 × 1536), 60fps (1920 × 1080, 1280 × 720)   |
| Third stream                | Independent with main stream and sub stream, up to<br>50Hz: 25fps (2048 × 1536)<br>60Hz: 30fps (2048 × 1536)  |
| Blc                         | Support   |
| Hlc                         | Support   |
| Defog                       | Support   |
| Image setting               | Rotate mode, saturation, brightness, contrast are adjustable by client software or web browser  |
| Day/night switch            | Auto/schedule/triggered by alarm in   |
| Roi                         | Support   |
| Picture overlay             | 128X128 24bit bmp format overlay, zone optional   |
| <b>Network</b>              |   |
| Network storage             | Nas (support nfs,smb/cifs)  |
| Alarm trigger               | Intrusion detection, defocus detection, motion detection, face detection, dynamic analysis, tampering alarm, network disconnect, ip address conflict, storage exception |
| Protocols                   | Top/ip,icmp,http,https,ftp,dhcp,dns,ddns,rtp,rtsp,rtcp, Pppoe,ntp,upnp,smtp,snmp,igmp,802.1X,qos,ipv6,bonjour   |
| Security                    | User authentication, watermark, ip address filtering, anonymous access  |
| Standard                    | Onvif, psia, cgi, isapi   |
| <b>Interface</b>            |   |
| Audio input                 | 1-Ch 3.5 Mm audio interface, mic in/line in. 1 Build-in microphone  |
| Audio output                | 1-Ch 3.5 Mm audio interface   |
| Communication interface     | 1 RJ45 10m/100m ethernet port, 1 rs-485 interface and 1 rs-232 interface  |
| Alarm input                 | 1   |
| Alarm output                | 1   |
| Video output                | 1Vp-p composite output (75 Ω/bnc)   |
| On-board storage            | Built-in micro sd/sdhc/sdxc slot, up to 64 gb   |
| Reset button                | Yes   |
| <b>Smart feature-set</b>    |   |
| Behavior analysis           | Line crossing detection, intrusion detection, region entrance, region exiting, unattended baggage, object removal   |
| Line crossing detection     | Cross a pre-defined virtual line  |
| Intrusion detection         | Enter and loiter in a pre-defined virtual region  |
| Region entrance             | Enter a pre-defined virtual region from the outside place   |
| Region exiting              | Exit from a pre-defined virtual region  |
| Unattended baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception detections        | Scene change detection, sudden audio increase/decrease detection, audio loss detection, defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object counting (entrance and exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °f – 140 °f)<br>Humidity 95% or less (non-condensing)   |
| Power supply                | 24 V ac ± 10%, 12 v dc ± 10%, poe (802.3Af)   |
| Power consumption           | Max. 6 W (max. 9W with ir cut filter on)  |
| Dimensions                  | 69.8×58×145 Mm (2.68" × 2.56" × 5.70")  |
| Weight                      | 830g (1.83 lbs)   |

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NETWORK STORAGE

# DS-2CD4065F-(A)

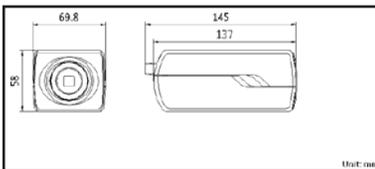
## 6MP Smart IP Box Camera



### Key features

- Up to 3072x2048 resolution
- Super Digital WDR
- Auto Back Focus optional (-A)
- Smart Face Detection
- Intrusion Detection
- Smart Codec
- Triple Streams
- On-board Storage, up to 64GB
- Defog

### Dimensions



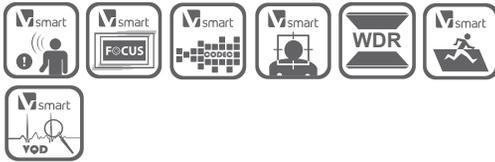
### Available models

DS-2CD4065F  
DS-2CD4065F-A

| DS-2CD4065F-(A)             |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/1.8" Progressive Scan CMOS   |
| Min. illumination           | Color: 0.01 Lux @ (F1.2, AGC ON)<br>B/W: 0.001 Lux @ (F1.2, AGC ON)  |
| Shutter time                | 1s to 1/100,000 s  |
| Slow shutter                | Support  |
| Lens mount                  | C/CS mount   |
| Auto-iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | Support  |
| Focus                       | ABF(-A model)  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG  |
| H.264 compression profile   | Baseline Profile / Main Profile / High Profile   |
| Bit rate                    | 32 Kbps - 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. image resolution       | 3072 x 2048  |
| Frame rate                  | 50Hz: 25fps @<br>3072 × 2048, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720   |
|                             | 60Hz: 25fps @<br>3072 × 2048, 2560 × 2048, 2560 × 1920, 2048 × 1536, 1920 × 1080, 1280 × 720   |
| Third stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps @ 1280 × 720 ; 60Hz: 30fps @ 1280 × 720  |
| BLC                         | Support  |
| Smart defog                 | Support  |
| Image setting               | Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night switch            | Auto / Schedule / Triggered by Alarm In  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour(SIP optional)   |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5 mm audio interface, Mic in/Line in. 1 built-in Microphone   |
| Audio output                | 1-ch 3.5 mm audio interface  |
| Communication interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface   |
| Alarm input                 | 1  |
| Alarm output                | 1  |
| Video output                | 1Vp-p composite output (75 Ω/BNC)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset button                | Yes  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F) humidity 95% or less (non-condensing)   |
| Power supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6.5 W (Max. 9.5 W with IR cut filter on)  |
| Dimensions (mm)             | 69.8×58×145 mm (2.68" × 2.56" × 5.70")   |
| Weight                      | 830g (1.83 lbs)  |

# DS-2CD4085F-(A)(P)

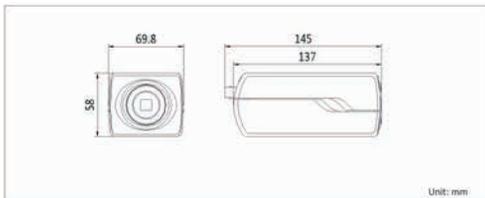
## 8MP Smart IP Box Camera



### Key features

- Up to 4096x2160 resolution
- Super Digital WDR
- Auto Back Focus optional (-A)
- Smart Face Detection
- Intrusion Detection
- Smart Codec
- Triple Streams
- On-board Storage, up to 64GB
- Defog

### Dimensions



### Available models

DS-2CD4085F,  
DS-2CD4085F-A,  
DS-2CD4085F-AP

| DS-2CD4085F-(A)(P)          |   |
|-----------------------------|---|
| <b>Camera Module</b>        |   |
| Image Sensor                | 1/1.7" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.01Lux @ (F1.2, AGC ON)<br>B/W: 0.001Lux @ (F1.2, AGC ON)   |
| Shutter Speed               | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens Mount                  | C/CS mount  |
| Auto-iris                   | DC drive (-P: Support P-iris)   |
| Day & Night                 | IR cut filter with auto switch  |
| Digital Noise Reduction     | 3D DNR  |
| Wide Dynamic Range          | DWDR  |
| Focus                       | -A: support ABF   |
| <b>Compression Standard</b> |   |
| Video Compression           | H.264/ MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 4096 × 2160   |
| Frame Rate                  | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)                                      |
| Image Settings              | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1280 × 720)<br>60Hz: 30fps(1280 × 720)  |
| BLC                         | Support   |
| HLC                         | Support   |
| Smart Defog                 | Support   |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network Storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in. 1 build-in Microphone  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm Input                 | 1   |
| Alarm Output                | 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)   |
| Power Supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)   |
| Power Consumption           | Max. 6 W (Max. 9W with IR cut filter on)  |
| Dimensions                  | 69.8×58×145 mm (2.68" × 2.56" × 5.70")  |
| Weight                      | 830g (1.83 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

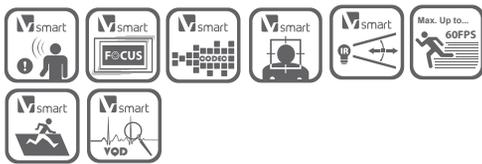
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CD4112F-IZ

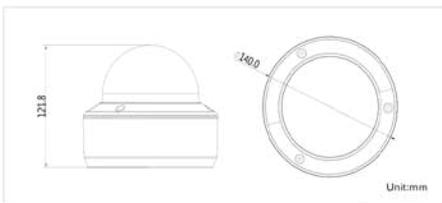
## 1.3MP Low-light Indoor Dome Network Camera



### Key features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog

### Dimensions



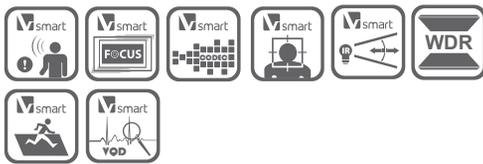
### Available models

DS-2CD4112F-IZ

| DS-2CD4112F-IZ              |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)   |
| Lens mount                  | Φ14  |
| Angle Adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 1024  |
| Frame rate                  | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)                             |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, motion detection, face detection, tampering alarm, defocus, network disconnect, IP address conflict, storage exception, line crossing detection |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)                      |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6W<br>Max. 9W (IR on: 2W, Motorized VF lens: 1W)  |
| IR range                    | Up to 30m  |
| Impact protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Dimensions                  | Φ 140 × 121.8 mm (Φ 5.51" × 4.80")   |
| Weight                      | 1400g (3.09 lbs)   |

# DS-2CD4112FWD-IZ

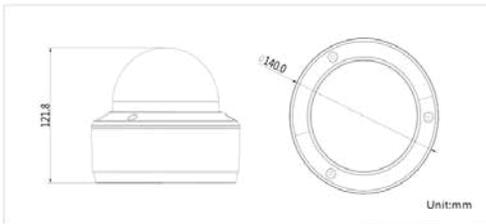
## 1.3MP WDR Indoor Dome Network Camera



### Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR
- Defog

### Dimensions



### Available models

DS-2CD4112FWD-IZ

| DS-2CD4112FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)   |
| Lens mount                  | Φ14  |
| Angle Adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 960   |
| Frame rate                  | 50 Hz: 25fps (1280 x 960), 25fps (1280 x 720)<br>60 Hz: 30fps (1280 x 960), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6W<br>Max. 9W (IR on: 2W, Motorized VF lens: 1W)  |
| IR range                    | Up to 30m  |
| Impact protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Dimensions                  | Φ 140 × 121.8 mm (Φ 5.51" × 4.80")   |
| Weight                      | 1400g (3.09 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

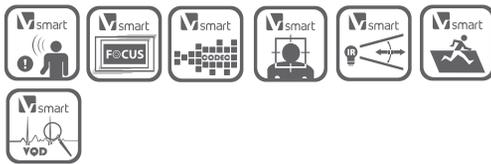
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CD4124F-IZ

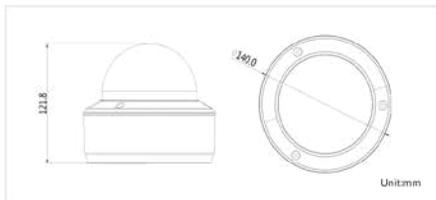
## 2MP Full HD Indoor Dome Network Camera



### Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR (-I)
- Defog

### Dimensions



### Available models

DS-2CD4124F-IZ

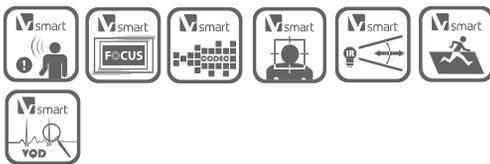
| DS-2CD4124F-IZ              |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens)  |
| Lens mount                  | Φ14  |
| Angle Adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1920 x 1080  |
| Frame rate                  | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720)<br>60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6W<br>Max. 9W (IR on: 2W, Motorized VF lens: 1W)  |
| IR range                    | Up to 30m  |
| Impact protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Dimensions                  | Φ 140 × 121.8mm (Φ 5.51" × 4.80")  |
| Weight                      | 1400g (3.09 lbs)   |

# DS-2CD4125FWD-IZ

## 2MP Smart IP Indoor Dome Camera



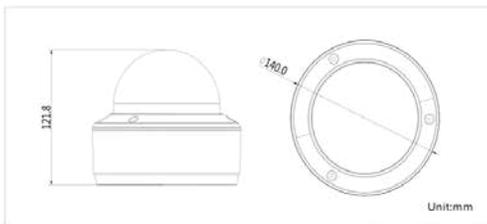
**LIGHTFIGHTER**



### Key features

- 1/2.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- High light environment
- Slow shutter
- 140dB WDR
- 3D DNR
- Audio/Alarm IO
- Support 64G on-board storage
- DC12V/PoE(802.3af)

### Dimensions



### Available models

DS-2CD4125FWD-IZ

| DS-2CD4125F-IZ              |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image Sensor                | 1/2.8" progressive scan CMOS  |
| Min. Illumination           | 0.005 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.007 Lux @ (F1.4, AGC ON), 0 lux with IR  |
| Shutter Speed               | 1s ~ 1/100,000s   |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, angle of view: 113-33.8°   |
| Lens Mount                  | Φ14   |
| Angle Adjustment            | Pan: 0°-355°, Tilt: 0°-75°, Rotation: 0°-355°   |
| Auto-iris                   | DC drive  |
| Day & Night                 | Electronic (-I: IR cut filter with auto switch)   |
| WDR                         | 140dB   |
| <b>Compression standard</b> |   |
| Video Compression           | H.264/MPEG4/MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 x 1080   |
| Frame Rate                  | 50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720)<br>60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)  |
| Third Stream                | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080); 60Hz: 30fps (1920 × 1080)  |
| Image Enhancement           | BLC/HLC/3D DNR/ROI/Defog  |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser   |
| Distortion Correction       | Support   |
| Regional Cropping           | Support   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network Storage             | NAS (Support NFS,SMB/CIFS), ANR   |
| Alarm Trigger               | Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception   |
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF(PROFILE S,PROFILE G), PSIA,CGI,ISAPI  |
| <b>Interface</b>            |   |
| Audio                       | 1-ch 3.5 mm audio in (Mic in/Line in)/out interface   |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface   |
| Alarm                       | 1 input, 1 output (up to DC24V 1A or AC110V 500mA )   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Audio</b>                |   |
| Environment Noise Filtering | Support   |
| Audio I/O                   | Support dual audio track, stereo  |
| Audio Sampling Rate         | 16kHz / 32kHz / 44.1kHz / 48kHz   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Impact Protection           | IK10  |
| IR Distance                 | 30m   |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)   |
| Power Supply                | 12 V DC ± 10%, PoE (802.3af)  |
| Power Consumption           | Max. 6 W (Max. 9W, IR: 2W, motorized VF lens: 1W)   |
| Dimensions                  | Φ 140 × 121.8 mm (Φ 5.51" × 4.80")  |
| Weight                      | 1400g (3.09 lbs)  |

# DS-2CD4126FWD-IZ

## 2MP Smart IP Indoor Dome Camera



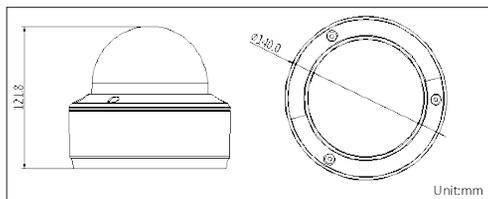
**DARKFIGHTER**



### Key Features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 30m IR range
- Vandal-proof
- Audio/Alarm IO
- Full Smart Feature-set

### Dimensions



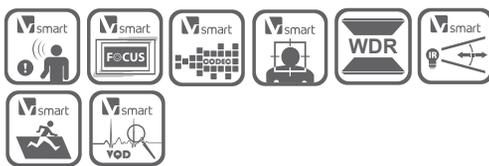
### Available models

DS-2CD4126FWD-IZ

| DS-2CD4126FWD-IZ            |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | 0.002 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.0027 Lux @ (F1.4, AGC ON), 0 lux with IR   |
| Shutter time                | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, angle of view: 92°~ 32°  |
| Lens mount                  | Φ14   |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°  |
| Auto-iris                   | DC drive  |
| Day & night                 | Electronic (-: IR cut filter with auto switch)  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | 120dB   |
| <b>Compression standard</b> |   |
| Video compression           | H.264 / MJPEG / MPEG 4  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 × 1080   |
| Frame rate                  | 50Hz: 50fps(1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920 × 1080) ; 60Hz: 30fps (1920 × 1080)  |
| BLC                         | Support   |
| HLC                         | Support   |
| Smart Defog                 | Support   |
| EIS                         | Support   |
| Image Setting               | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in   |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface   |
| Alarm Input / Output        | 1 / 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDXC slot, up to 64 GB  |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)   |
| Power supply                | 12 V DC ± 10%, PoE (802.3af)  |
| Power Consumption           | 13.5W MAX   |
| IR Range                    | Up to 30m   |
| Impact Protection           | IEC60068-275EH, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 140 × 121.8mm (Φ 5.51" × 4.80")   |
| Weight                      | 1400g (3.09 lbs)  |

# DS-2CD4132FWD-IZ

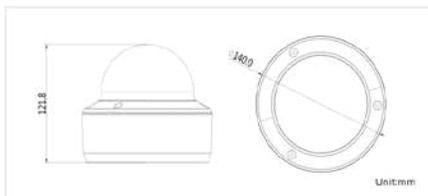
## 3MP WDR Indoor Dome Network Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR
- Defog

### Dimensions



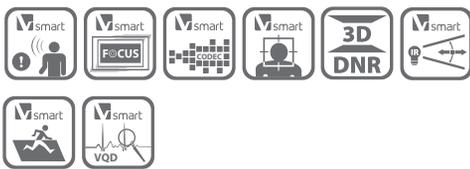
### Available models

DS-2CD4132FWD-IZ

| DS-2CD4132FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens)   |
| Lens mount                  | Φ14  |
| Angle Adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 2048 x 1536  |
| Frame rate                  | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Audio input                 | 1-ch 3.5mm audio interface, Mic in/Line in   |
| Audio output                | 1-ch 3.5mm audio interface   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port, 1 RS-485 interface, 1 RS-232 interface  |
| Alarm I/O                   | 1/1  |
| Video output                | 1 Vp-p composite output (75 Ω / BNC)   |
| On-board storage            | Built-in micro SD/SDHC/SDXC card slot, up to 64GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)  |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 6.5W<br>Max. 9.5W (IR on: 2W, Motorized VF lens: 1W)  |
| IR range                    | Up to 30m  |
| Impact protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Dimensions                  | Φ 140 × 121.8mm (Φ 5.51" × 4.80")  |
| Weight                      | 1400g (3.09 lbs)   |

# DS-2CD4135FWD-IZ

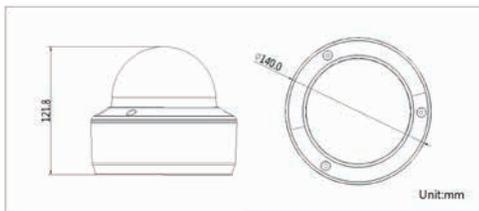
## 3MP WDR Smart IP Indoor Dome Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens(-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Smart IR
- Defog

### Dimensions



### Accessories



Indoor in-ceiling mount  
DS-1227ZJ



Indoor wall mount  
DS-1273ZJ-130

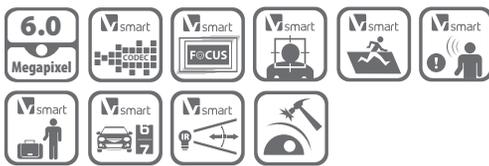
### Available models

DS-2CD4135F-IZ

| DS-2CD4135F-IZ              |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/2.8" Progressive Scan CMOS  |
| Min. illumination           | 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.014 Lux @ (F1.4, AGC ON), 0 lux with IR   |
| Shutter Speed               | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, angle of view: 105-32°   |
| Lens Mount                  | Φ14   |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°  |
| Auto-iris                   | DC drive  |
| Day & Night                 | IR cut filter with auto switch  |
| Digital Noise Reduction     | 3D DNR  |
| Wide Dynamic Range          | DWDR  |
| <b>Compression Standard</b> |   |
| Video Compression           | H.264/ MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 2048x1536   |
| Main Stream                 | 50Hz: 50fps (2048 × 1536, 1920 × 1080, 1280 × 720)<br>60Hz: 48fps@ (2048 × 1536), 60fps (1920 × 1080, 1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(2048x1536)<br>60Hz: 30fps (2048x1536)   |
| BLC                         | Support   |
| HLC                         | Support   |
| Defog                       | Support   |
| Image Setting               | Rotate mode, Saturation, Brightness, Contrast are adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | 128x128 24bit BMP format overlay, zone optional   |
| <b>Network</b>              |   |
| Network storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in.  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm Input                 | 1   |
| Alarm Output                | 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)   |
| Power Supply                | 12 VDC ± 10% / PoE (802.3af)  |
| Power Consumption           | Max. 6 W, Max. 9 W(IR: 2W, motorized VF lens: 1W)   |
| IR Range                    | Approx. 10 to 30 meters   |
| Dimensions                  | Φ 140 × 121.8mm (Φ 5.51" × 4.80")   |
| Weight                      | 1400g (3.09 lbs)  |

# DS-2CD4165F-IZ

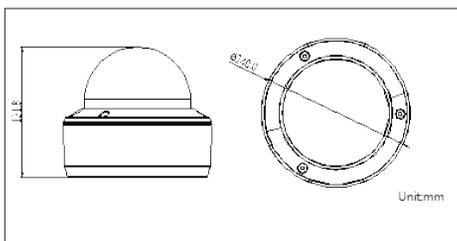
## 6MP Smart IP Indoor Dome Camera



### Key features

- Up to 3072 x 2048 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Up to 30m IR range
- Motorized VF lens with Smart Focus
- Vandal-proof

### Dimensions



### Accessories



### Available models

DS-2CD4165F-IZ

| DS-2CD4165F-IZ              |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, 94.5°-30.5°  |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°  |
| Auto-iris                   | DC drive  |
| Day & night                 | IR cut filter with auto switch  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | Support   |
| <b>Compression standard</b> |   |
| Video compression           | H.264 / MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 3072 x 2048   |
| Frame rate                  | 50Hz: 25fps (3072×2048,3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)<br>60Hz: 25fps (3072×2048),30fps(3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720) |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps @ 1280 × 720 ; 60Hz: 30fps @ 1280 × 720   |
| BLC                         | Support   |
| Smart Defog                 | Support   |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| <b>Network</b>              |   |
| Network storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception         |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour(SIP optional)                                  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in.  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm Input / Output        | 1 / 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)   |
| Power supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)   |
| Impact Protection           | IEC 60068-2-75 test,Eh,20J;EN 50102,IK10  |
| IR Distance                 | 10-30m  |
| Power Consumption           | Max. 6~9W (IR lens 2W, Motorized lens 1 W)  |
| Dimensions                  | Φ 140 × 121.8mm   |
| Weight                      | 1400g (3.09 lbs)  |

# DS-2CD4185F-IZ

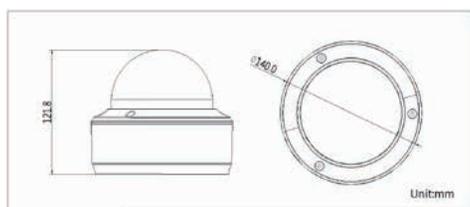
## 8MP Smart IP Indoor Dome Camera



### Key features

- Up to 4096 × 2160 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Up to 30m IR range
- Motorized VF lens with Smart Focus
- Vandal-proof

### Dimensions



### Accessories



### Available models

DS-2CD4185F-IZ

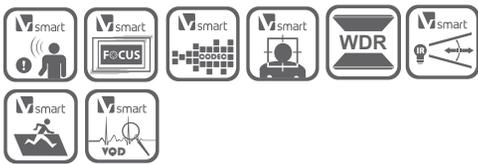
| DS-2CD4185F-IZ              |   |
|-----------------------------|---|
| <b>Camera Module</b>        |   |
| Image Sensor                | 1/1.7" Progressive Scan CMOS  |
| Min. Illumination           | 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.014 Lux @ (F1.4, AGC ON), 0 lux with IR   |
| Shutter Speed               | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, angle of view  |
| Lens Mount                  | Φ14   |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°  |
| Auto-iris                   | DC drive  |
| Day & Night                 | Electronic (-I: IR cut filter with auto switch)   |
| Digital Noise Reduction     | 3D DNR  |
| Wide Dynamic Range          | DWDR  |
| <b>Compression Standard</b> |   |
| Video Compression           | H.264/ MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 4096 × 2160   |
| Frame Rate                  | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)                                      |
| Image Settings              | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1280 × 720)<br>60Hz: 30fps(1280 × 720)  |
| BLC                         | Support   |
| HLC                         | Support   |
| Smart Defog                 | Support   |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network Storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP,ICMP,HTTP,HTTPS,FTP,DHCP,DNS,DDNS,RTP,RTSP,RTCP, PPPoE,NTP,UPnP,SMTP,SNMP,IGMP,802.1X,QoS,IPv6,Bonjour   |
| Security Standard           | User Authentication, Watermark, IP address filtering, Anonymous access<br>ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in.  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm Input                 | 1   |
| Alarm Output                | 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)   |
| Power Supply                | 12 VDC ± 10% / PoE (802.3at)  |
| Power Consumption           | 9W MAX  |
| IR Range                    | -I: Approx. 10 to 30 meters   |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ140 × 121.8mm (Φ 5.51" × 4.80")  |
| Weight                      | 1400g (3.09 lbs)  |

# DS-2CD4A25FWD-IZ(H)(S)

## 2MP WDR Smart IP Bullet Camera



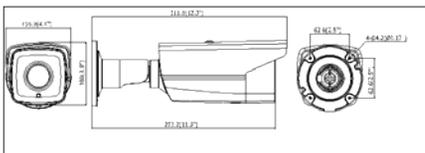
**LIGHTFIGHTER**



### Key features

- Up to 1920 x1080 high resolution
- Full HD1080p video
- Smart Codec
- 140dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- IP67 protection

### Dimensions



### Available models

DS-2CD4A25FWD-IZ, DS-2CD4A25FWD-IZS,  
DS-2CD4A25FWD-IZH, DS-2CD4A25FWD-IZHS

- \* -S: 1-ch audio I/O,  
1-ch alarm I/O ,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4A25FWD-IZ(H)(S)      |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/2.8" Progressive Scan CMOS  |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter time                | 1s ~ 1/100,000s   |
| Slow shutter                | Yes   |
| <b>Lens</b>                 |   |
|                             | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional   |
| Auto iris                   | DC drive  |
| Day & night                 | IR cut filter with auto switch  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | 120dB   |
| <b>Compression standard</b> |   |
| Video compression           | H.264/ MJPEG  |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile  |
| Video bit rate              | 32 Kbps – 16 Mbps   |
| Audio compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. resolution             | 1920 × 1080   |
| Frame rate                  | 50Hz: 50fps(1920 × 1080) / (1280 × 960) / (1280 × 720)<br>60Hz: 60fps(1920 × 1080) / (1280 × 960) / (1280 × 720)  |
| 3rd stream                  | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920x1080)<br>60Hz: 30fps (1920x1080)   |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser  |
| BLC                         | Support, zone optional  |
| Defog                       | Support   |
| Day / Night Switch          | Auto/Schedule/Triggered by Alarm In   |
| Picture overlay             | 128x128 24bit BMP format overlay, zone optional   |
| ROI                         | Support   |
| <b>Network</b>              |   |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS   |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access  |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C   |
| Power supply                | 24 V AC ± 10%, PoE (802.3at)  |
| Power consumption           | 12W MAX<br>-H:18W MAX   |
| IR range                    | Up to 50m (2.8-12mm) /100m (8-32mm)   |
| Ingress protection          | IP67  |
| Dimensions                  | 100×103.9×311.8mm (3.93" x 4.09" x 12.28")  |
| Weight                      | 2000g   |

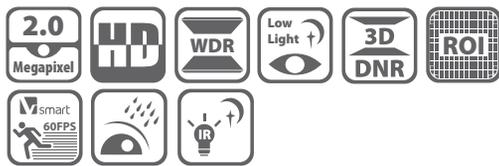
PTZ DOME  
NETWORK  
VLOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-2CD4A26FWD-IZ(H)(S)

## 2MP WDR Smart IP Bullet Camera



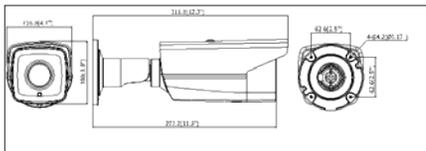
**DARKFIGHTER** ✨



### Key Features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 50m IR range
- IP67
- Full Smart Feature-set
- Audio/Alarm IO (-S)
- Built-in heater (-H)

### Dimensions



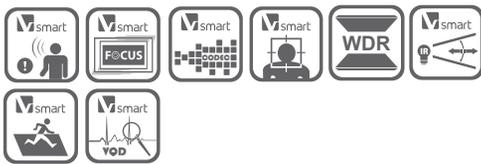
### Available models

DS-2CD4A26FWD-IZ  
 DS-2CD4A26FWD-IZS  
 DS-2CD4A26FWD-IZH  
 DS-2CD4A26FWD-IZHS

| DS-2CD4A26FWD-IZ(H)(S)   |  |
|--|--|
| <b>Camera</b>  |  |
| Image sensor   | 1/1.8" Progressive Scan CMOS   |
| Min. illumination  | 0.002 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter time   | 1 s to 1/100,000 s   |
| Lens   | 2.8-12mm @ F1.4, 92°-32°   |
| Lens mount   | AF automatic focusing and motorized zoom lens  |
| Auto-iris  | DC drive   |
| Day & night  | IR cut filter with auto switch   |
| Digital noise reduction  | 3D DNR   |
| Wide dynamic range   | 120dB  |
| <b>Compression standard</b>  |  |
| Video compression  | H.264 / MJPEG / MPEG 4   |
| H.264 Type   | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate   | 32 Kbps – 16 Mbps  |
| Audio Compression  | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate   | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>   |  |
| Max. Resolution  | 1920 × 1080  |
| Frame rate   | 50Hz: 50fps (1920 × 1080)/(1280 × 960)/(1280 × 720)<br>60Hz: 60fps (1920 × 1080)/(1280 × 960)/(1280 × 720)   |
| Third Stream   | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080) ; 60Hz: 30fps (1920 × 1080)  |
| BLC  | Support, zone optional   |
| Defog  | Support  |
| EIS  | Support  |
| Day/Night Switch   | Auto/Schedule/Triggered by Alarm In  |
| ROI  | Support  |
| Picture Overlay  | 128x128 24bit BMP format overlay, zone optional  |
| <b>Network</b>   |  |
| Network storage  | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger  | Line crossing Detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception                                   |
| Protocols  | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security   | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard   | ONVIF, PSIA, CGI, ISAPI  |
| <b>Smart Feature-set</b>   |  |
| Behavior Analysis  | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection  | Cross a pre-defined virtual line   |
| Intrusion Detection  | Enter and loiter in a pre-defined virtual region   |
| Region Entrance  | Enter a pre-defined virtual region from the outside place  |
| Region Exiting   | Exit from a pre-defined virtual region   |
| Unattended Baggage   | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal   | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections   | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition  | Face detection recognition   |
| Statistics   | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)<br>Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional |
| ANPR   | * ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team                    |
| <b>General</b>   |  |
| Protection Level   | IP67   |
| Operating conditions   | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply   | 12 V DC ± 10%, PoE (802.3af)   |
| IR Distance  | Up to 50m  |
| Power Consumption  | 12W MAX  |
| Dimensions   | 100×103.9×311.8 mm   |
| Weight   | 2000g  |
| * "-S" series support 1-ch audio in/out interface, 1-ch alarm in/out interface and 1-ch RS-485 interface |  |

# DS-2CD4A35F-IZ(S)(H)

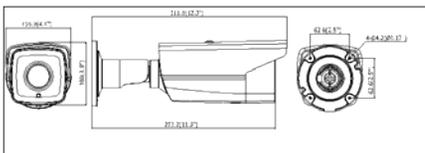
## 3MP SMART IP Bullet Camera



### Key features

- Up to 2048 x 1536 high resolution
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8~32mm Motorized VF lens optional
- IP67 protection

### Dimensions



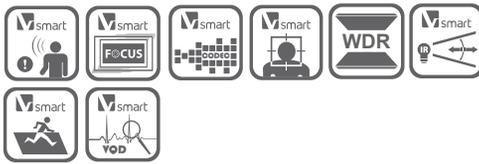
### Available models

DS-2CD4A35F-IZ, DS-2CD4A35F-IZS  
 DS-2CD4A35F-IZH, DS-2CD4A35F-IZHS  
 \* -S: 1-ch audio I/O,  
 1-ch alarm I/O,  
 1-ch RS-485 interface  
 \* -H: Smart Heater

| DS-2CD4A35F-IZ(H)(S)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.005 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264/ MJPEG   |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps – 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 2048x1536  |
| Frame rate                  | 50Hz: 50fps(2048 × 1536) / (1920 × 1080) / (1280 × 960) / (1280 × 720)<br>60Hz: 48fps(2048 × 1536), 60fps(1920 × 1080) / (1280 × 960) / (1280 × 720)   |
| 3rd stream                  | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(2048x1536)<br>60Hz: 30fps (2048x1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day / Night Switch          | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 128x128 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 24 V AC ± 10%, 802.3at   |
| Power consumption           | 12W MAX<br>-H:18W MAX  |
| IR range                    | Up to 50m (2.8-12mm) /100m (8-32mm)  |
| Ingress protection          | IP67   |
| Dimensions                  | 100×103.9×311.8mm (3.93" x 4.09" x 12.28")   |
| Weight                      | 2000g  |

# DS-2CD4A35FWD-IZ(S)(H)

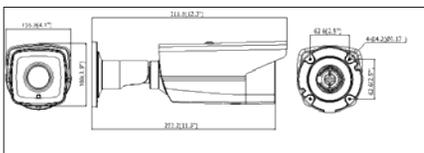
## 3MP WDR Smart IP Bullet Camera



### Key features

- Up to 2048 x 1536 high resolution
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8-32mm Motorized VF lens optional
- IP67 protection

### Dimensions



### Available models

DS-2CD4A35FWD-IZ, DS-2CD4A35FWD-IZS  
DS-2CD4A35FWD-IZH, DS-2CD4A35FWD-IZHS

- \* -S: 1-ch audio I/O, 1-ch alarm I/O, 1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4A35FWD-IZ(S)(H)      |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264/ MJPEG   |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps – 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 2048x1536  |
| Frame rate                  | 50Hz: 50fps(2048 × 1536) / (1920 × 1080) / (1280 × 960) / (1280 × 720)<br>60Hz: 48fps(2048 × 1536), 60fps(1920 × 1080) / (1280 × 960) / (1280 × 720)   |
| 3rd stream                  | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(2048x1536)<br>60Hz: 30fps (2048x1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day / Night Switch          | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 128x128 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 24 V AC ± 10%, 802.3at   |
| Power consumption           | 12W MAX<br>-H: 18W MAX   |
| IR range                    | Up to 50m (2.8-12mm) / 100m (8-32mm)   |
| Ingress protection          | IP67   |
| Dimensions                  | 100×103.9×311.8mm (3.93" x 4.09" x 12.28")   |
| Weight                      | 2000g  |

# DS-2CD4A65F-IZ(H)(S)

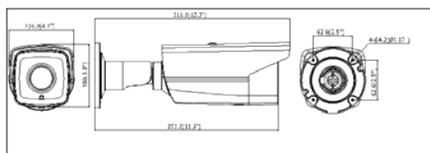
## 6MP Smart IP Outdoor Bullet Camera



### Key Features

- Up to 3072 x 2048 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Up to 50m IR range
- Motorized VF lens with Smart Focus
- IP67
- Audio/Alarm IO (-S)
- Smart Heater (-H)

### Dimensions



### Available models

- DS-2CD4A65F-IZ
- DS-2CD4A65F-IZH
- DS-2CD4A65F-IZS
- DS-2CD4A65F-IZHS

| DS-2CD4A65F-IZ(H)(S)        |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, 94.5°~30.5°  |
| Auto-iris                   | DC drive  |
| Day & night                 | Electronic (-I: IR cut filter with auto switch)   |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | Support   |
| <b>Compression standard</b> |   |
| Video compression           | H.264 / MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 3072 x 2048   |
| Frame rate                  | 50Hz: 25fps (3072×2048,3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)<br>60Hz: 25fps (3072×2048),30fps(3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720) |
| Third Stream                | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps @ 1280 x 720 ; 60Hz: 30fps @ 1280 x 720  |
| BLC                         | Support   |
| Smart Defog                 | Support   |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| <b>Network</b>              |   |
| Network storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception         |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F),<br>-H: -40 °C – 60 °C (-40 °F – 140 °F)<br>Humidity 95% or less (non-condensing)  |
| Power supply                | 12V DC ± 10%, PoE (802.3at)   |
| Protection Level            | IP67  |
| IR Distance                 | 20 to 50m   |
| Power Consumption           | 12W MAX   |
| Dimensions                  | 100×103.9×311.8 mm  |
| Weight                      | 2000g   |

\* "S" series support 1-ch audio in/out interface, 1-ch alarm in/out interface and 1-ch RS-485 interface

# DS-2CD4A85F-IZ(H)(S)

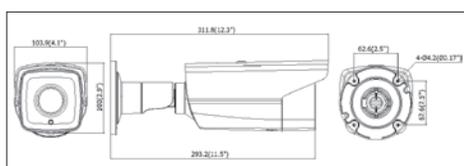
## 8MP Smart IP Bullet Camera



### Key features

- Up to 4096 × 2160 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Up to 50m IR range
- Motorized VF lens with Smart Focus
- IP67
- Audio/Alarm IO (-S)
- Smart Heater (-H)

### Dimensions



### Available models

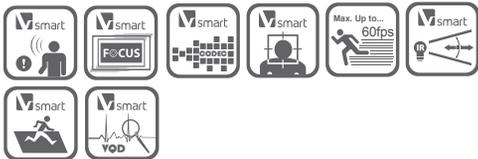
DS-2CD4A85F-IZ,  
 DS-2CD4A85F-IZH,  
 DS-2CD4A85F-IZS,  
 DS-2CD4A85F-IZHS

| DS-2CD4A85F-IZ(H)(S)        |  |
|-----------------------------|--|
| <b>Camera Module</b>        |  |
| Image Sensor                | 1/1.7" Progressive Scan CMOS   |
| Min. Illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR  |
| Shutter Speed               | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4  |
| Lens Mount                  | AF automatic focusing and motorized zoom lens  |
| Auto-iris                   | DC drive   |
| Day & Night                 | IR cut filter with auto switch   |
| Digital Noise Reduction     | 3D DNR   |
| Wide Dynamic Range          | DWDR   |
| <b>Compression Standard</b> |  |
| Video Compression           | H.264/ MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 4096 × 2160  |
| Frame Rate                  | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)   |
| Image Settings              | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1280 × 720)<br>60Hz: 30fps(1280 × 720)   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support  |
| Picture Overlay             | 128x128 24bit BMP format overlay, zone optional  |
| <b>Network</b>              |  |
| Network Storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger               | Line crossing Detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Protection Level            | IP67   |
| Operating Conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power Supply                | 12 V DC ± 10%, PoE (802.3af)   |
| IR Distance                 | Up to 50m  |
| Power Consumption           | 12W MAX  |
| Dimensions                  | 100×103.9×311.8mm  |
| Weight                      | 2000g  |

\* "-S" series support 1-ch audio in/out interface, 1-ch alarm in/out interface and 1-ch RS-485 interface

# DS-2CD4212F-IZ

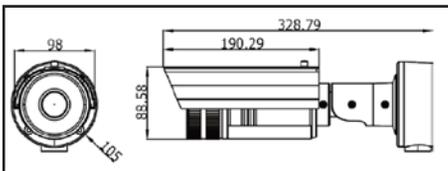
## 1.3MP Low-light IR Bullet Network Camera



### Key Features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Smart Audio Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

DS-2CD4212F-IZ, DS-2CD4212F-IZS  
DS-2CD4212F-IZH, DS-2CD4212F-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
1-ch alarm I/O  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4212F-IZ              |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/3" progressive scan CMOS  |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR  |
| Shutter time                | 1s ~ 1/100,000s   |
| Slow shutter                | Yes   |
| Lens                        | 2.8 - 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4 lens (optional), angle of view: 27.8°-9.1°  |
| Lens mount                  | Φ14   |
| Auto iris                   | DC drive  |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)   |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | DWDR  |
| <b>Compression standard</b> |   |
| Video compression           | H.264 / MPEG4 / MJPEG   |
| H.264 codec profile         | Baseline profile / main profile / high profile  |
| Video bit rate              | 32 Kbps ~ 16 Mbps   |
| Audio compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model  |
| <b>Image</b>                |   |
| Max. resolution             | 1280 x 1024   |
| Frame rate                  | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)  |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024)   |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser  |
| BLC                         | Yes, zone configurable  |
| HLC                         | Yes   |
| Defog                       | Yes   |
| EIS                         | Yes   |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable   |
| ROI                         | Support   |
| <b>Network</b>              |   |
| Network storage             | NAS   |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)   |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset   |
| System compatibility        | ONVIF, PSIA, CGI  |
| <b>Interface</b>            |   |
| Communication interface     | 1 RJ45 10M / 100M ethernet port   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset button                | Yes   |
| <b>General</b>              |   |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on   |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)   |
| Power consumption           | Max. 11W<br>-Z/-H: Max. 12W   |
| IR range                    | Up to 30m<br>Up to 80m with 8~32mm VF lens  |
| Ingress protection          | IP66  |
| Dimensions                  | 98 x 105 x 328.8mm  |
| Weight                      | 2000g   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

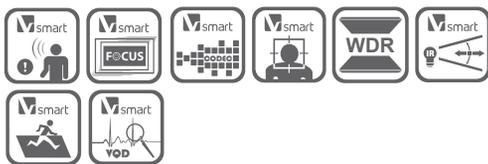
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CD4212FWD-IZ

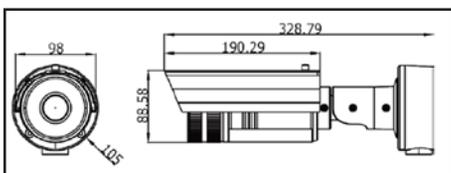
## 1.3MP WDR IR Bullet Network Camera



### Key Features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8-32mm Motorized VF lens optional

### Dimensions



### Available models

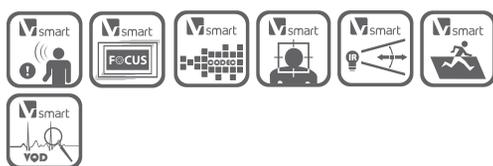
DS-2CD4212FWD-IZ, DS-2CD4212FWD-IZS  
DS-2CD4212FWD-IZH, DS-2CD4212FWD-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
1-ch alarm I/O,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4212FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4 lens (optional), angle of view: 27.8°-9.1°   |
| Lens mount                  | Φ14  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 960   |
| Frame rate                  | 50 Hz: 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 960), 60fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection,, line crossing detection Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| On-board storage            | Micro SD/SDXC card slot, max. 64GB   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset button                | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F) , with smart heater on   |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 11W<br>-Z/-H: Max. 12W  |
| IR range                    | Up to 30m<br>Up to 80m with 8-32mm VF lens   |
| Ingress protection          | IP66   |
| Dimensions                  | 98 x 105 x 328.8mm   |
| Weight                      | 2000g  |

# DS-2CD4224F-IZ

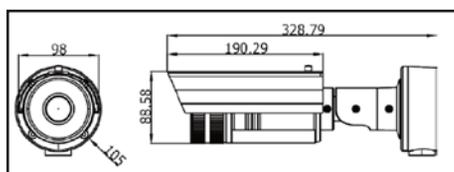
## 2MP Full HD IR Bullet Network Camera



### Key features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

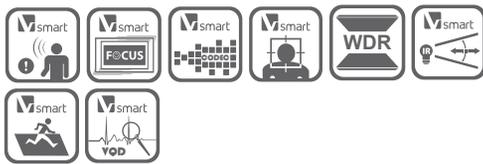
DS-2CD4224F-IZ , DS-2CD4224F-IZS  
DS-2CD4224F-IZH , DS-2CD4224F-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O ,  
1-ch alarm I/O ,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4224F-IZ              |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4 lens (optional), angle of view: 31.2°~10.2°   |
| Lens mount                  | Φ14  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 1920 × 1080  |
| Frame rate                  | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720)<br>60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset button                | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F) , with smart heater on   |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 11W<br>-Z/-H: Max. 12W  |
| IR range                    | Up to 30m<br>Up to 80m with 8~32mm VF lens   |
| Ingress protection          | IP66   |
| Dimensions                  | 98 x 105 × 328.8 mm  |
| Weight                      | 2000g  |

# DS-2CD4232FWD-IZ

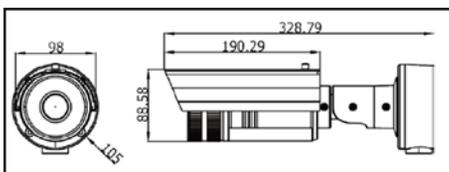
## 3MP WDR IR Bullet Network Camera



### Key Features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

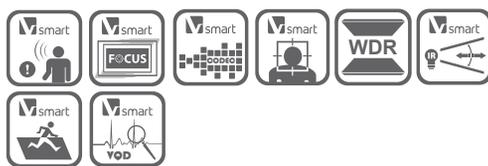
DS-2CD4232FWD-IZ , DS-2CD4232FWD-IZS  
 DS-2CD4232FWD-IZH , DS-2CD4232FWD-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
1-ch alarm I/O,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4232FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4 lens (optional), angle of view: 26°-8.54°  |
| Lens mount                  | Φ14  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 2048 x 1536  |
| Frame rate                  | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset button                | Yes  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on  |
| Power supply                | 12 VDC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 11.5W<br>-Z/-H: Max. 12.5W  |
| IR range                    | Up to 30m<br>Up to 80m IR with 8~32mm VF lens  |
| Ingress protection          | IP66   |
| Dimensions                  | 98 x 105 x 328.8 mm  |
| Weight                      | 2000g  |

# DS-2CD4525FWD-IZ(H)

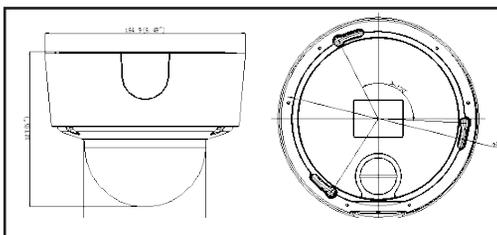
## 2MP WDR Outdoor Dome Network Camera



### Key features

- Up to 1920 x1080 high resolution
- Full HD1080p video
- Smart Codec
- 140dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO/RS-485
- 8-32mm Motorized VF lens optional
- IP66 & Vandal-proof protection

### Dimensions



### Available models

DS-2CD4525FWD-IZ, DS-2CD4525FWD-IZH  
\* -H: Smart Heater

| DS-2CD4525FWD-IZ(H)         |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.005 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.007 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 140dB  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG  |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps – 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 1920 × 1080  |
| Frame rate                  | 50Hz: 25fps (1920 × 1080) / (1280 × 960) / (1280 × 720)<br>60Hz: 30fps (1920 × 1080) / (1280 × 960) / (1280 × 720)   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet interface   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C ;<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 12V DC/24 V AC ± 10%, PoE (802.3af) -H: DC12V/AC24V/PoE(802.3at)   |
| Power consumption           | -H: 17W<br>Max: 12W  |
| IR range                    | 40m(2.8-12mm)/50m(8-32mm)  |
| Protection Level            | IP66   |
| Impact protection           | IEC600068-2-75Eh, 20J; EN50102, up to 1K10   |
| Dimensions                  | Φ 164.9 × 127 mm(Φ 6.49" × 5")   |
| Weight                      | 2100g (4.62 lbs)   |

PTZ DOME  
NETWORK  
ANALOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-2CD4526FWD-IZ(H)

## 2MP Outdoor Dome Network Camera



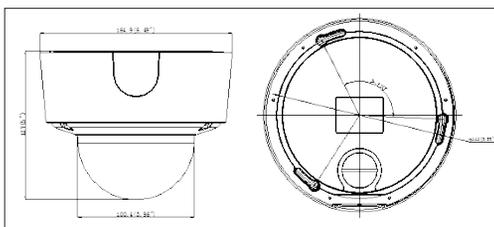
**DARKFIGHTER**



### Key Features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 40m IR range
- IP66
- Vandal-proof
- Full Smart Feature-set
- Audio/Alarm IO
- Built-in heater (-H)

### Dimensions



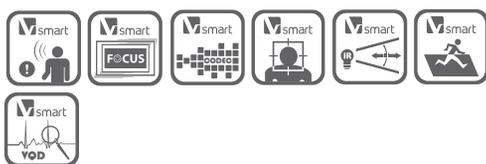
### Available models

DS-2CD4526FWD-IZ  
DS-2CD4526FWD-IZH

| DS-2CD4526FWD-IZ(H)         |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/1.8" Progressive Scan CMOS   |
| Min. illumination           | 0.002 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.0002 Lux @(F1.4,AGC ON), 0 Lux with IR  |
| Shutter time                | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4, 92°- 32°  |
| Lens mount                  | Φ14  |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°   |
| Auto-iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG / MPEG 4   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 1920 × 1080  |
| Frame rate                  | 50Hz: 50fps(1920 × 1080) 50fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 60fps(1920 × 1080) 60fps (1280 × 960), 60fps (1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920 × 1080) ; 60Hz: 30fps (1920 × 1080)   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support  |
| Picture Overlay             | 24bit BMP format overlay, zone optional  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger               | Line crossing detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet interface   |
| <b>Interface</b>            |  |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in  |
| Audio Output                | 1-ch 3.5 mm audio interface  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface  |
| Alarm Input / Output        | 1 / 1  |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset Button                | Yes  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Protection Level            | IP66   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | DC12V / AC 24 V± 10%, PoE (802.3af)<br>-H: DC12V/AC24V/PoE(802.3at)  |
| IR Distance                 | Up to 40m  |
| Power Consumption           | Max: 12W<br>-H: 17W  |
| Dimensions                  | Φ 164.9 × 127 mm(Φ 6.49" × 5")   |
| Weight                      | 2100g (4.62 lbs)   |

# DS-2CD4535F-IZ(H)

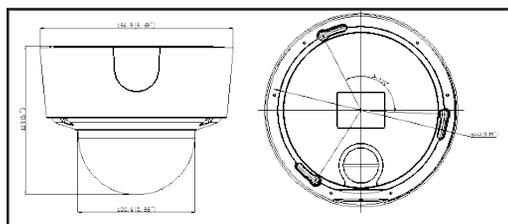
## 3MP Outdoor IR Dome Network Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO/RS-485
- 8-32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

### Dimensions



### Available models

DS-2CD4535F-IZ, DS-2CD4535F-IZH  
 \* -H: Smart Heater

| DS-2CD4535F-IZ(H)           |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.005 Lux @(F1.4,AGC ON), 0 Lux with IR<br>0.007 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG  |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps – 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2)   |
| <b>Image</b>                |  |
| Max. resolution             | 2048x1536  |
| Frame rate                  | 50Hz: 50fps (2048 × 1536, 1920 × 1080, 1280 × 720)<br>60Hz: 48fps@ (2048 × 1536), 60fps (1920 × 1080, 1280 × 720)  |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet interface   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C ;<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 12V DC/24 V AC ± 10%, PoE (802.3af) -H: DC12V/AC24V/PoE(802.3at)   |
| Power consumption           | -H: 17W<br>Max: 12W  |
| IR range                    | 40m(2.8-12mm)/50m(8-32mm)  |
| Protection Level            | IP66   |
| Impact protection           | IEC600068-2-75Eh, 20J; EN50102, up to IK10   |
| Dimensions                  | Φ 164.9 × 127 mm(Φ 6.49" × 5")   |
| Weight                      | 2100g (4.62 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

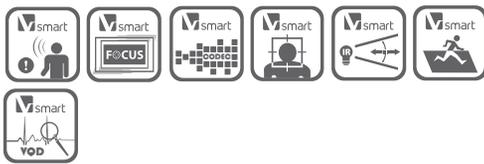
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CD4535FWD-IZ(H)

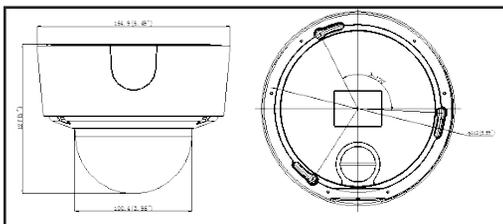
## 3MP WDR Outdoor Dome Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO/RS-485
- 8-32mm Motorized VF lens optional
- People Counting
- IP66 & Vandal-proof protection

### Dimensions



### Available models

DS-2CD4535FWD-IZ, DS-2CD4535FWD-IZH  
 \* -H: Smart Heater

| DS-2CD4535FWD-IZ(H)         |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR  |
| Shutter time                | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | D120dB WDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG  |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps – 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2)   |
| <b>Image</b>                |  |
| Max. resolution             | 2048x1536  |
| Frame rate                  | 50Hz: 50fps (2048 × 1536, 1920 × 1080, 1280 × 720)<br>60Hz: 48fps@ (2048 × 1536), 60fps (1920 × 1080, 1280 × 720)  |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10/100/1000M Ethernet interface   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C ;<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 12V DC/24 V AC ± 10%, PoE (802.3af) -H: DC12V/AC24V/PoE(802.3at)   |
| Power consumption           | -H: 17W<br>Max: 12W  |
| IR range                    | 40m(2.8-12mm)/50m(8-32mm)  |
| Protection Level            | IP66   |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 64.9 × 127 mm(Φ 49" × 5")  |
| Weight                      | 2100g (4.62 lbs)   |

# DS-2CD4565F-IZ(H)

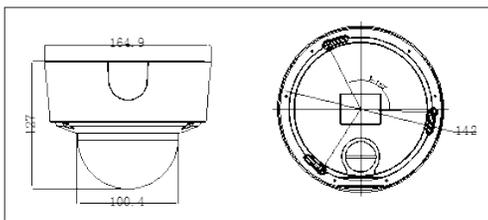
## 6MP Smart IP Outdoor Dome Camera



### Key Features

- Up to 3072 x 2048 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Up to 40m IR range
- Motorized VF lens with Smart Focus
- Vandal-proof & IP66
- Smart Heater (-H)
- People Counting

### Dimensions



### Available models

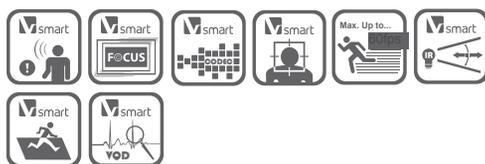
- DS-2CD4565F-IZ
- DS-2CD4565F-IZH

| DS-2CD4565F-IZ(H)           |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s  |
| Slow Shutter                | Support   |
| Lens                        | 2.8-12mm @ F1.4, 94.5°~30.5°  |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°  |
| Auto-iris                   | DC drive  |
| Day & night                 | IR cut filter with auto switch  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | Support   |
| <b>Compression standard</b> |   |
| Video compression           | H.264 / MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps - 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 3072 x 2048   |
| Frame rate                  | 50Hz: 25fps (3072×2048,3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)  |
|                             | 60Hz: 25fps (3072×2048),30fps(3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps @ 1280 × 720 ; 60Hz: 30fps @ 1280 × 720  |
| BLC                         | Support   |
| Smart Defog                 | Support   |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | 24bit BMP format overlay, zone optional   |
| <b>Network</b>              |   |
| Network storage             | NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security Standard           | User Authentication, Watermark, IP address filtering, Anonymous access<br>ONVIF, PSIA, CGI, ISAPI   |
| <b>Interface</b>            |   |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in.  |
| Audio Output                | 1-ch 3.5 mm audio interface   |
| Communication Interface     | 1 RJ45 110/100/1000M Ethernet port, 1 RS-485 interface and 1 RS-232 interface   |
| Alarm Input / Output        | 1 / 1   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| <b>General</b>              |   |
| Operating conditions        | -30 °C - 60 °C (-22 °F - 140 °F)<br>-H: -40 °C -60 °C (-40 °F - 140 °F)<br>Humidity 95% or less (non-condensing)  |
| Power supply                | DC12V/AC24V/PoE(802.3af), -H: DC12V/AC24V/PoE(802.3at)  |
| Protection Level            | IP66  |
| Impact Protection           | IEC 60068-2-75 test,Eh,20J;EN 50102,IK10  |
| IR Distance                 | 10-40m  |
| Power Consumption           | Max. 12 W<br>-H (Smart Heater): 17W   |
| Dimensions                  | Φ 164.9 × 127 mm (Φ 6.49" ×5")  |
| Weight                      | 2100g (4.62lbs)   |



# DS-2CD4312F-IZ

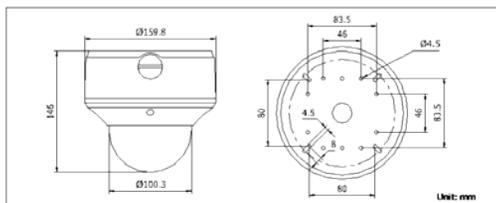
## 1.3MP Low-light Outdoor Dome Network Camera



### Key Features

- Up to 1280 x 1024 high resolution
- HD720p video (up to 60fps)
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan(-H)
- Defog
- 8-32mm Motorized VF lens optional

### Dimensions



### Available models

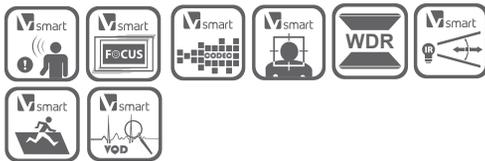
DS-2CD4312F-IZ, DS-2CD4312F-IZS  
DS-2CD4312F-IZH, DS-2CD4312F-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
2-ch alarm I/O,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4312F-IZ              |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)<br>8-32mm @ F1.4., angle of view: 27.8°-9.1   |
| Lens mount                  | Φ14  |
| Angle adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 1024  |
| Frame rate                  | 50 Hz: 25fps (1280 x 1024), 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 1024), 30fps (1280 x 960), 60fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 1024), 60Hz: 30fps (1280 x 1024)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| Video Output                | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F) , with smart heater on   |
| Power supply                | 24 VAC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 12.5W   |
| IR range                    | Up to 30m  |
| Ingress protection          | IP66   |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 159.8 x 146 mm (Φ 6.29" x 5.75")   |
| Weight                      | 2100 g (4.62 lbs)  |

# DS-2CD4312FWD-IZ

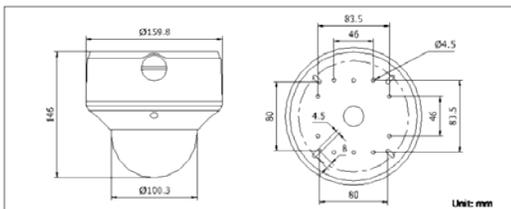
## 1.3MP WDR Outdoor Dome Network Camera



### Key features

- Up to 1280 x 960 high resolution
- HD720p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan(-H)
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

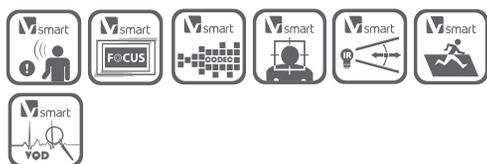
DS-2CD4312FWD-IZ , DS-2CD4312FWD-IZS  
 DS-2CD4312FWD-IZH , DS-2CD4312FWD-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
2-ch alarm I/O ,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4312FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 98.4° ~ 30.2° (-Z: motorized VF lens)<br>8-32mm @ F1.4., angle of view: 27.8°-9.1   |
| Lens mount                  | Φ14  |
| Angle adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 1280 x 960   |
| Frame rate                  | 50 Hz: 25fps (1280 x 960), 50fps (1280 x 720)<br>60 Hz: 30fps (1280 x 960), 60fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1280 x 960), 60Hz: 30fps (1280 x 960)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| Video Output                | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F) , with smart heater on   |
| Power supply                | 24 VAC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 12.5W   |
| IR range                    | Up to 30m  |
| Ingress protection          | IP66   |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 159.8 × 146 mm (Φ 6.29" × 5.75")   |
| Weight                      | 2100 g (4.62 lbs)  |

# DS-2CD4324F-IZ

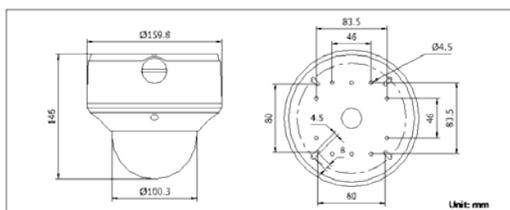
## 2MP Full HD Outdoor Dome Network Camera



### Key Features

- Up to 1920 x 1080 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan(-H)
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

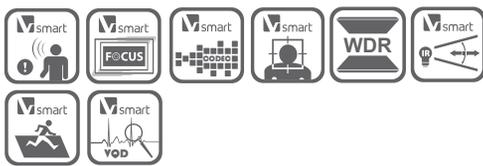
DS-2CD4324F-IZ, DS-2CD4324F-IZS  
DS-2CD4324F-IZH, DS-2CD4324F-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
2-ch alarm I/O,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4324F-IZ              |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" progressive scan CMOS   |
| Min. illumination           | 0.01 lux@F1.2, AGC on, 0.014 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 113° ~ 33.8° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4, angle of view: 31.2° ~ 10.2°   |
| Lens mount                  | Φ14  |
| Angle adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 1920 x 1080  |
| Frame rate                  | 50 Hz: 25fps (1920 x 1080), 25fps (1280 x 960), 25fps (1280 x 720)<br>60 Hz: 30fps (1920 x 1080), 30fps (1280 x 960), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 25fps (1920 x 1080), 60Hz: 30fps (1920 x 1080)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| HLC                         | Yes  |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| Video Output                | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~ 140°F), with smart heater on  |
| Power supply                | 24 VAC ± 10%, PoE (802.3af)  |
| Power consumption           | Max. 12.5W   |
| IR range                    | Up to 30m  |
| Ingress protection          | IP66   |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 159.8 x 146mm (Φ 6.29" x 5.75")  |
| Weight                      | 2100g (4.62 lbs)   |

# DS-2CD4332FWD-IZ

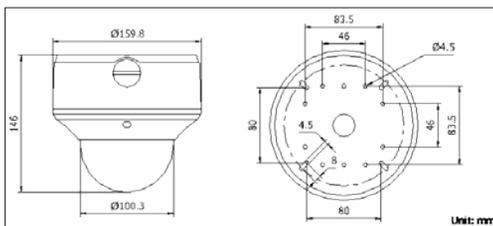
## 3MP WDR Outdoor Dome Network Camera



### Key features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- 120dB WDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens (-Z)
- Smart VQD
- Smart Facial Detection
- Intrusion Detection
- Built-in heater & fan(-H)
- Defog
- 8~32mm Motorized VF lens optional

### Dimensions



### Available models

DS-2CD4332FWD-IZ, DS-2CD4332FWD-IZS  
 DS-2CD4332FWD-IZH, DS-2CD4332FWD-IZHS

- \* -Z: Motorized VF lens
- \* -S: 1-ch audio I/O,  
1-ch alarm I/O,  
1-ch RS-485 interface
- \* -H: Smart Heater

| DS-2CD4332FWD-IZ            |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/3" progressive scan CMOS   |
| Min. illumination           | 0.1 lux@F1.2, AGC on, 0.14 lux@F1.4, AGC on, 0 lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8 ~ 12mm @F1.4, angle of view: 91.2° ~ 28.3° (-Z: motorized VF lens)<br>8mm-32mm @ F1.4, angle of view: 26°-8.54°  |
| Lens mount                  | Φ14  |
| Angle adjustment            | Pan: 0° ~ 355°, tilt: 0° ~ 75°, rotation: 0° ~ 355°  |
| Auto iris                   | DC drive   |
| Day & night                 | ICR (Auto/Schedule/Alarm Trigger)  |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB WDR  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile         | Baseline profile / main profile / high profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2) *only for -S model   |
| <b>Image</b>                |  |
| Max. resolution             | 2048 x 1536  |
| Frame rate                  | 50 Hz: 20fps (2048 x 1536), 25fps (1920 x 1080), 25fps (1280 x 720)<br>60 Hz: 20fps (2048 x 1536), 30fps (1920 x 1080), 30fps (1280 x 720)   |
| 3rd stream                  | Independent setting, up to:<br>50Hz: 20fps (2048 x 1536), 60Hz: 20fps (2048 x 1536)  |
| Image settings              | Rotate mode, saturation, brightness, contrast, grayscale adjustable through client software or web browser   |
| BLC                         | Yes, zone configurable   |
| Defog                       | Yes  |
| EIS                         | Yes  |
| Picture overlay             | 128 x 128, BMP 24bit, zone configurable  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | NAS  |
| Alarm trigger               | Intrusion detection, Defocus detection, Motion detection, Face detection, line crossing detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP optional)  |
| Security                    | User authentication, watermark, IP address filtering, anonymous access, reset  |
| System compatibility        | ONVIF, PSIA, CGI   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| <b>Interface</b>            |  |
| Communication interface     | 1 RJ45 10M / 100M ethernet port  |
| Video Output                | 1 Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)  |
| On-board storage            | Micro SD/SDXC card slot, up to 64GB  |
| <b>General</b>              |  |
| Operating conditions        | -30°C ~ 60°C (-22°F ~ 140°F), humidity 95% or less (non-condensing)<br>-H: -40°C ~ 60°C (-40°F ~140°F) , with smart heater on  |
| Power supply                | 24 VAC ± 10%, PoE (802.3af)  |
| Power consumption           | 12.5W  |
| IR range                    | Up to 30m  |
| Ingress protection          | IP66   |
| Impact protection           | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |
| Dimensions                  | Φ 159.8 x 146mm (Φ 6.29" x 5.75")  |
| Weight                      | 2100g (4.62 lbs)   |

# DS-2CD4312F-PTZ/12FWD-PTZ/24F-PTZ/32FWD-PTZ

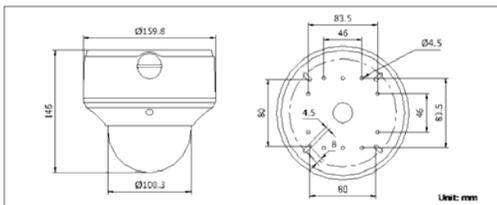
## Smart IP Outdoor Dome Camera with Pan&tilt module



### Key Features

- HD/Full HD resolution
- Remotely adjust lens angle and focus
- Adjust a correct lens angle with pan-tilt module.
- Find a perfect focus through Motorized VF lens.

### Dimensions



### Accessories



### Available models

DS-2CD4312F-PTZ  
DS-2CD4312FWD-PTZ  
DS-2CD4324F-PTZ  
DS-2CD4332FWD-PTZ

| Camera                   | DS-2CD4312F-PTZ  | DS-2CD4312FWD-PTZ   | DS-2CD4324F-PTZ   | DS-2CD4332FWD-PTZ  |
|--------------------------|--|---|---|--|
| Image sensor             | 1/3" Progressive Scan CMOS   |   | 1/2.8" Progressive Scan CMOS  | 1/3" Progressive Scan CMOS   |
| Min. illumination        | 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.014 Lux @ (F1.4, AGC ON), 0 lux with IR  |   |   |  |
| Shutter time             | 1s ~ 1/100,000s  |   |   |  |
| Slow shutter             | Support  |   |   |  |
| Lens                     | 2.8-12mm @ F1.4  |   |   |  |
| Lens mount               | Φ14  |   |   |  |
| Angle adjustment         | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°; Support electronically modifying the pan and tilt angle  |   |   |  |
| Auto iris                | DC drive   |   |   |  |
| Day & night              | ICR (Auto/Schedule/Alarm Trigger)  |   |   |  |
| Digital noise reduction  | 3D DNR   |   |   |  |
| Wide dynamic range       | DWDR   | 120dB   | DWDR  | 120dB  |
| Compression standard     | H.264 / MPEG4 / MJPEG  |   |   |  |
| Video compression        | H.264 codec profile Baseline profile / main profile / high profile   |   |   |  |
| H.264 codec profile      | Baseline profile / main profile / high profile   |   |   |  |
| Bit rate                 | 32 Kbps ~ 16 Mbps  |   |   |  |
| Audio compression        | G.711 / G.722.1 / G.726 / MP2L2  |   |   |  |
| Audio bit rate           | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |   |   |  |
| Image                    |  |   |   |  |
| Max. resolution          | 1280 × 1024  | 1280 × 960  | 1920 × 1080   | 2048x1536  |
| Frame rate               | 50Hz: 25fps (1280 × 1024), 25fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 30fps (1280 × 1024), 30fps (1280 × 960), 60fps (1280 × 720)   | 50Hz: 25fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 30fps (1280 × 960), 60fps (1280 × 720)            | 50Hz: 25fps(1920 × 1080) 25fps (1280 × 960), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1080) 30fps (1280 × 960), 30fps (1280 × 720) | 50Hz: 20fps (2048 × 1536), 25fps (1920 × 1080), 25fps (1280 × 720)<br>60Hz: 20fps (2048 × 1536), 30fps (1920 × 1080), 30fps (1280 × 720) |
| Third stream             | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps (1280 × 1024)<br>60Hz: 30fps (1280 × 1024)  | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps (1280 × 960)<br>60Hz: 30fps (1280 × 960) | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080)<br>60Hz: 30fps (1920 × 1080)                            | Independent with Main Stream and Sub Stream, up to 50Hz: 20fps (2048 × 1536)<br>60Hz: 20fps (2048 × 1536)                                |
| BLC/HLC/Defog/EIS        | Support  |   |   |  |
| Image setting            | Rotate mode, Saturation, Brightness, Contrast adjustable by client software or web browser   |   |   |  |
| Day/night switch         | Auto/Schedule/Triggered by Alarm In  |   |   |  |
| ROI                      | Support  |   |   |  |
| Picture Overlay          | LOGO picture can be overlaid on video with 128x128 24bit bmp format  |   |   |  |
| Network                  |  |   |   |  |
| Network storage          | NAS (Support NFS,SMB/CIFS)   |   |   |  |
| Alarm trigger            | Intrusion detection, Line crossing detection, Defocus detection, Scene change detection, Motion detection, Face detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |   |   |  |
| Protocols                | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |   |   |  |
| Security                 | User Authentication, Watermark, IP address filtering, Anonymous access   |   |   |  |
| System compatibility     | ONVIF, PSIA, CGI, ISAPI  |   |   |  |
| Interface                |  |   |   |  |
| Communication interface  | 1 RJ45 10M/100M Ethernet interface   |   |   |  |
| Video Output             | 1Vp-p composite output (75 Ω/RCA, for lens adjustment when installation)   |   |   |  |
| On-board storage         | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |   |   |  |
| Reset Button             | Yes  |   |   |  |
| General                  |  |   |   |  |
| Operating conditions     | -30°C ~ 60°C (-22°F ~ 140°F) humidity 95% or less (non-condensing)   |   |   |  |
| Power supply             | 24 VAC ± 10% / PoE (802.3at )  |   |   |  |
| Power consumption        | Max. 13.5W   |   |   |  |
| IR range                 | Approx. 10 to 30 meters  |   |   |  |
| Impact Protection        | IEC60068-2-75Eh, 20J; EN50102, up to IK10  |   |   |  |
| Ingress Protection level | IP66   |   |   |  |
| Dimensions               | Φ 159.8 × 146 mm (Φ 6.29" × 5.75")   |   |   |  |
| Weight                   | 2100g (4.62 lbs)   |   |   |  |

# DS-2CD4625FWD-IZ(S)(H)

## 2MP Vandal-proof Smart IP Bullet Camera



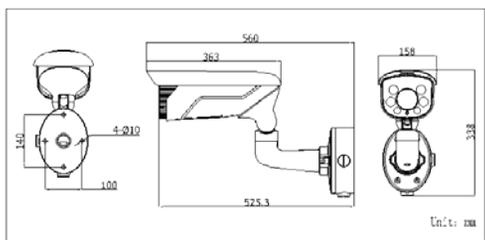
**LIGHTFIGHTER**



### Key features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 140dB WDR
- Up to 70m(2.8-12mm)/150m(8-32mm) IR range
- IP66
- Vandal-proof
- Full Smart Feature-set
- Audio/Alarm IO (-S)
- Built-in heater (-H)

### Dimensions



### Available models

DS-2CD4625FWD-IZ  
 DS-2CD4625FWD-IZS  
 DS-2CD4625FWD-IZH  
 DS-2CD4625FWD-IZHS

|                             | DS-2CD4625FWD-IZ(H)(S)   |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.005 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.007 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s   |
| Lens                        | 2.8-12mm @ F1.4, 113°~33.8°<br>8-32mm @ F1.4, 31.2°~10.2°  |
| Lens mount                  | AF automatic focusing and motorized zoom lens  |
| Auto-iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 140dB  |
| <b>Compression standard</b> |  |
| Video compression           | H.264/MPEG4/MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 1920 × 1080  |
| Frame rate                  | 50Hz: 50fps(1920 × 1080) 50fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 60fps(1920 × 1080) 60fps (1280 × 960), 60fps (1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to 50Hz: 25fps(1920 × 1080) ; 60Hz: 30fps (1920 × 1080)  |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support  |
| Picture Overlay             | 24bit BMP format overlay, zone optional  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger               | Line crossing Detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet interface   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering. Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |  |
| Protection Level            | IP66   |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 24 V AC ± 10%, PoE (802.3at)   |
| IR Distance                 | Up to 70m(2.8-12mm)/150m(8-32mm)   |
| Power consumption           | 24W MAX  |
| Dimensions                  | 158×338×560mm  |
| Weight                      | 6200g  |

\* "-S" series support 1-ch audio in/out interface, 1-ch alarm in/out interface and 1-ch RS-485 interface

# DS-2CD4626FWD-IZ(H)(S)

## 2MP Vandal-proof Smart IP Bullet Camera



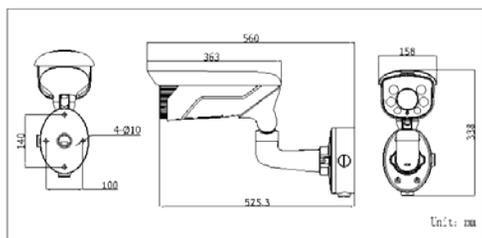
**DARKFIGHTER**



### Key features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 70m IR range
- IP66
- Vandal-proof
- Full Smart Feature-set
- Audio/Alarm IO (-S)
- Built-in heater (-H)

### Dimensions



### Available models

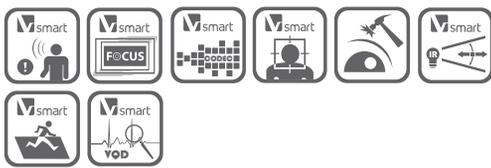
- DS-2CD4626FWD-IZ
- DS-2CD4626FWD-IZS
- DS-2CD4626FWD-IZH
- DS-2CD4626FWD-IZHS

|                             | DS-2CD4626FWD-IZ(H)(S)  |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. illumination           | 0.002 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.0027 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1 s to 1/100,000 s  |
| Lens                        | 2.8-12mm @ F1.4, 92°~32°  |
| Lens mount                  | AF automatic focusing and motorized zoom lens   |
| Auto-iris                   | DC drive  |
| Day & night                 | IR cut filter with auto switch  |
| Digital noise reduction     | 3D DNR  |
| Wide dynamic range          | 120dB   |
| <b>Compression standard</b> |   |
| Video compression           | H.264/MPEG4/MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 × 1080   |
| Frame rate                  | 50Hz: 50fps(1920 × 1080) 50fps (1280 × 960), 50fps (1280 × 720)<br>60Hz: 60fps(1920 × 1080) 60fps (1280 × 960), 60fps (1280 × 720)  |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920 × 1080) ; 60Hz: 30fps (1920 × 1080)  |
| BLC                         | Support, zone optional  |
| Defog                       | Support   |
| EIS                         | Support   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| ROI                         | Support   |
| Picture Overlay             | 24bit BMP format overlay, zone optional   |
| <b>Network</b>              |   |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)  |
| Alarm Trigger               | Line crossing Detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| Communication Interface     | 1 RJ45 10M/100M Ethernet interface  |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Protection Level            | IP66  |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK10  |
| Operating conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C   |
| Power supply                | 24 V AC ± 10%, PoE (802.3at)  |
| IR Distance                 | Up to 70m   |
| Power consumption           | 24W MAX   |
| Dimensions                  | 158×338×560mm   |
| Weight                      | 6200g   |

\* "-S" series support 1-ch audio in/out interface, 1-ch alarm in/out interface and 1-ch RS-485 interface

# DS-2CD4635F-IZ(H)(S)

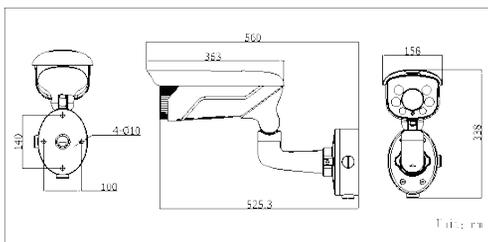
## 3MP Vandal-proof Smart IP Bullet Camera



### Key Features

- Up to 2048 x 1536 high resolution
- Full HD1080p video
- Smart Codec
- DWDR, 3D DNR
- Triple streams
- On-board storage, up to 64GB
- Smart Focus: Motorized VF lens
- Smart Facial Detection
- Intrusion Detection
- Built-in heater optional (-H)
- Audio/Alarm IO optional (-S)
- 8-32mm Motorized VF lens optional
- IP66 & Vandal-proof protection

### Dimensions



### Available models

DS-2CD4635F-IZ, DS-2CD4635F-IZH  
DS-2CD4635F-IZS, DS-2CD4635F-IZHS

\* -S: 1-ch audio I/O,  
1-ch alarm I/O,  
1-ch RS-485 interface  
\* -H: Smart Heater

| DS-2CD4635F-IZ(H)(S)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. illumination           | 0.005 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.007 Lux @(F1.4,AGC ON), 0 Lux with IR   |
| Shutter time                | 1s ~ 1/100,000s  |
| Slow shutter                | Yes  |
| Lens                        | 2.8-12mm @ F1.4 Motorized VF lens<br>8-32mm @ F1.4 Motorized VF lens optional  |
| Auto iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | DWDR   |
| <b>Compression standard</b> |  |
| Video compression           | H.264/ MJPEG   |
| H.264 codec profile         | Baseline Profile / Main Profile / High Profile   |
| Video bit rate              | 32 Kbps ~ 16 Mbps  |
| Audio compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. resolution             | 2048x1536  |
| Frame rate                  | 50Hz: 25fps(2048 × 1536) /(1920 × 1080) /(1280 × 960)/(1280 × 720)<br>60Hz: 30fps(2048 × 1536) /(1920 × 1080) /(1280 × 960)/(1280 × 720)   |
| 3rd stream                  | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(2048 × 1536)<br>60Hz: 30fps(2048 × 1536)   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day / Night Switch          | Auto/Schedule/Triggered by Alarm In  |
| Picture overlay             | 128x128 24bit BMP format overlay, zone optional  |
| ROI                         | Support  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS  |
| Alarm trigger               | Line crossing detection, intrusion detection, scene change detection, audio exception detection, motion detection, dynamic analysis, tampering alarm, network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| System compatibility        | ONVIF, PSIA, CGI, ISAPI  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Operating conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power supply                | 24 V AC ± 10%, High PoE (802.3at)  |
| Impact Protection           | IEC600068-2-75Eh, 20J; EN50102, up to IK10   |
| Power consumption           | 24W MAX  |
| IR range                    | Up to 70m (2.8-12mm) /150m (8-32mm)  |
| Ingress protection          | IP66   |
| Dimensions                  | 158×338×560mm  |
| Weight                      | 6200g  |

# DS-2CD4665F-IZ(S)(H)

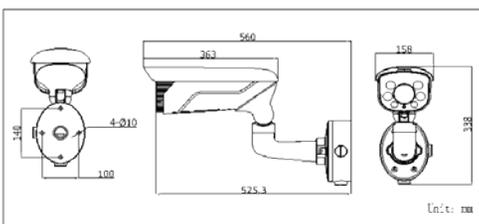
## 6MP Vandal-proof Smart IP Bullet Camera



### Key features

- Up to 3072 x 2048 high resolution
- WDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Motorized VF lens with Smart Focus
- Vandal-proof & IP66
- Audio/Alarm IO (-S)
- Smart Heater (-H)

### Dimensions



### Available models

- DS-2CD4665F-IZ
- DS-2CD4665F-IZH

| DS-2CD4665F-IZ(S)(H)        |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image sensor                | 1/1.8" Progressive Scan CMOS   |
| Min. illumination           | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR<br>0.014 Lux @(F1.4,AGC ON), 0 Lux with IR  |
| Shutter time                | 1 s to 1/100,000 s   |
| Slow Shutter                | Support  |
| Lens                        | 2.8-12mm @ F1.4, 94.5°~30.5°   |
| Lens Mount                  | AF automatic focusing and motorized zoom lens  |
| Auto-iris                   | DC drive   |
| Day & night                 | IR cut filter with auto switch   |
| Digital noise reduction     | 3D DNR   |
| Wide dynamic range          | 120dB  |
| <b>Compression standard</b> |  |
| Video compression           | H.264 / MJPEG/MPEG 4   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 3072 x 2048  |
| Frame rate                  | 50Hz: 25fps (3072×2048,3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)<br>60Hz: 25fps (3072×2048),30fps(3072×1728,2560×2048,2560×1920,2048×1536,1920×1080,1280×720)                                  |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps @ 1280 × 720 ; 60Hz: 30fps @ 1280 × 720  |
| BLC                         | Support, zone optional   |
| Smart Defog                 | Support  |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support  |
| Picture Overlay             | 24bit BMP format overlay, zone optional  |
| <b>Network</b>              |  |
| Network storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS/SMB/CIFS)   |
| Alarm Trigger               | Line crossing Detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet interface   |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Protection Level            | IP66   |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Operating Conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power Supply                | 24 V AC ± 10%, PoE (802.3at)   |
| IR Distance                 | 70m  |
| Power Consumption           | 24W MAX  |
| Dimensions                  | 158×338×560mm  |
| Weight                      | 6200g  |

# DS-2CD4685F-IZ(H)(S)

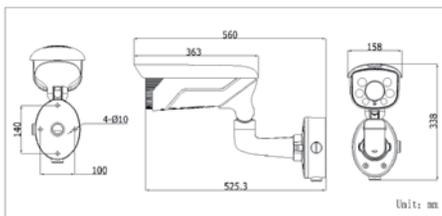
## 8MP Vandal-proof Smart IP Bullet Camera



### Key features

- Up to 4096 × 2160 high resolution
- DWDR, 3D DNR
- Multi-video streams
- On-board storage, up to 64GB
- Motorized VF lens with Smart Focus
- Vandal-proof & IP66
- Audio/Alarm IO (-S)
- Smart Heater (-H)

### Dimensions



### Available models

DS-2CD4685F-IZ,  
DS-2CD4685F-IZH,  
DS-2CD4685F-IZS,  
DS-2CD4685F-IZHS

| DS-2CD4685F-IZ(H)(S)        |  |
|-----------------------------|--|
| <b>Camera Module</b>        |  |
| Image Sensor                | 1/1.7" Progressive Scan CMOS   |
| Min. Illumination           | 0.01 Lux @ (F1.2,AGC ON), 0 Lux with IR  |
| Shutter Speed               | 0.014 Lux @ (F1.4,AGC ON), 0 Lux with IR   |
| Lens                        | 1 s to 1/100,000 s   |
| Lens Mount                  | 2.8-12mm @ F1.4  |
| Auto-iris                   | AF automatic focusing and motorized zoom lens  |
| Day & Night                 | DC drive   |
| Digital Noise Reduction     | IR cut filter with auto switch   |
| Wide Dynamic Range          | 3D DNR   |
| <b>Compression Standard</b> |  |
| Video Compression           | H.264/ MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Image</b>                |  |
| Max. Resolution             | 4096 × 2160  |
| Frame Rate                  | 50Hz: 25fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)<br>60Hz: 30fps (4096 × 2160, 3840 × 2160, 1920 × 1080, 1280 × 720)   |
| Image Settings              | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1280 × 720)<br>60Hz: 30fps(1280 × 720)   |
| BLC                         | Support, zone optional   |
| Defog                       | Support  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support  |
| Picture Overlay             | 24bit BMP format overlay, zone optional  |
| <b>Network</b>              |  |
| Network Storage             | Micro SD/SDHC/SDXC card with ANR (up to 64G), NAS (Support NFS,SMB/CIFS)   |
| Alarm Trigger               | Line crossing detection, Intrusion detection, scene change detection, audio exception detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | One-key recovery, flash-prevention, three streams, heartbeat, mirror, password protection, video mask, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| Communication Interface     | 1 RJ45 10M/100M /1000M Ethernet interface  |
| <b>Interface</b>            |  |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in  |
| Audio Output                | 1-ch 3.5 mm audio interface  |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet port, 1 RS-485 interface  |
| Alarm Input                 | 1  |
| Alarm Output                | 1  |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset Button                | Yes  |
| <b>Smart Feature-set</b>    |  |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal  |
| Line Crossing Detection     | Cross a pre-defined virtual line   |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region   |
| Region Entrance             | Enter a pre-defined virtual region from the outside place  |
| Region Exiting              | Exit from a pre-defined virtual region   |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials  |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.  |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection  |
| Recognition                 | Face detection recognition   |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)   |
| <b>General</b>              |  |
| Protection Level            | IP66   |
| Impact Protection           | IK10   |
| Operating Conditions        | -30 °C – 60 °C<br>Humidity 95% or less (non-condensing)<br>-H: -40 °C – 60 °C  |
| Power Supply                | AC 24 V± 10%, PoE (802.3at)  |
| IR Distance                 | 70m  |
| Power Consumption           | Max: 24W   |
| Dimensions                  | 560×158×338mm  |
| Weight                      | 6200g  |

\* "-Z" is equipped with Motorized VF lens

# DS-2CD6026FHWD-(A)(AP)

## 2MP Ultra Low Light Smart IP Camera



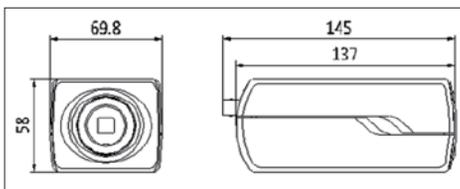
**DARKFIGHTER**



### Key features

- 1/1.8" Progressive Scan CMOS
- Full HD1080p video
- Up to 60fps frame rate
- Ultra-low light
- Slow shutter
- 120dB WDR
- 3D DNR
- -A: Auto Back Focus
- Audio/Alarm IO
- Support 64G on-board storage
- DC12V/AC24V/PoE

### Dimensions



### Available models

DS-2CD6026FHWD  
 DS-2CD6026FHWD-A  
 DS-2CD6026FHWD-AP

| DS-2CD6026FHWD-(A)(AP)      |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image Sensor                | 1/1.8" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.001 Lux @ (F1.2, AGC ON), B/W: 0.0001 Lux @ (F1.2, AGC ON)   |
| Shutter Speed               | 1s ~ 1/100,000s   |
| Slow Shutter                | Support   |
| Lens Mount                  | C/CS mount  |
| Auto-iris                   | DC drive  |
| Day & Night                 | IR Cut Filter   |
| WDR                         | 120dB   |
| Focus                       | -A: support ABF   |
| <b>Compression standard</b> |   |
| Video Compression           | H.264/MPEG4/MJPEG   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1920 × 1080   |
| Frame Rate                  | 50Hz: 50fps(1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 60fps (1920 × 1080, 1280 × 960, 1280 × 720)   |
| Third Stream                | Independent with Main Stream and Sub Stream, up to<br>50Hz: 25fps(1920 × 1080); 60Hz: 30fps (1920 × 1080)   |
| Image Enhancement           | BLC/3D DNR/ROI/Defog/EIS  |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser   |
| Regional Cropping           | Support   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| <b>Network</b>              |   |
| Network Storage             | NAS (Support NFS,SMB/CIFS), ANR   |
| Alarm Trigger               | Motion detection, Tampering alarm, Network disconnect, IP address conflict, Storage exception   |
| Protocols                   | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour   |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |
| Standard                    | ONVIF(PROFILE S,PROFILE G), PSIA,CGI,ISAPI  |
| <b>Interface</b>            |   |
| Audio                       | 1-ch 3.5 mm audio in( Mic in/Line in)/out interface, 1 build-in Microphone  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface  |
| Alarm                       | 1 input, 1 output (up to DC24V 1A or AC110V 500mA )   |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)   |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |
| Reset Button                | Yes   |
| <b>Audio</b>                |   |
| Environment Noise Filtering | Support   |
| Audio I/O                   | Support dual audio track, stereo  |
| Audio Sampling Rate         | 16kHz / 32kHz / 44.1kHz / 48kHz   |
| <b>Smart Feature-set</b>    |   |
| Behavior Analysis           | Line crossing detection, Intrusion detection, Region entrance, Region exiting, Unattended baggage, Object removal   |
| Line Crossing Detection     | Cross a pre-defined virtual line  |
| Intrusion Detection         | Enter and loiter in a pre-defined virtual region  |
| Region Entrance             | Enter a pre-defined virtual region from the outside place   |
| Region Exiting              | Exit from a pre-defined virtual region  |
| Unattended Baggage          | Objects left over in the pre-defined region such as the baggage, purse, dangerous materials   |
| Object Removal              | Objects removed from the pre-defined region, such as the exhibits on display.   |
| Exception Detections        | Scene change detection, Sudden audio increase/decrease detection, Audio loss detection, Defocus detection   |
| Recognition                 | Face detection recognition  |
| Statistics                  | Object Counting (Entrance and Exit object number is accounted and showed on screen in real time)  |
| ANPR                        | Automatic License Plate Recognition, support Black list/white list filtering.<br>Support LPR management via Smart NVR or iVMS5200-Professional<br>* ANPR support varies based on Hikvision Intelligent Algorithm Development and is not available for all the countries. For detailed information about local ANPR support, please contact Hikvision local technical support team |
| <b>General</b>              |   |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)   |
| Power Supply                | 24 V AC ± 10%, 12 V DC ± 10%, PoE (802.3af)   |
| Power Consumption           | Max. 6 W (Max. 9W with IR cut filter on)  |
| Dimensions                  | 69.8×58×145 mm (2.75" × 2.28" × 5.71")  |
| Weight                      | 830 g (1.83 lbs)  |

PTZ DOME  
 NETWORK  
 ANALOG  
 DVR  
 NVR  
 ATIM DVR  
 VIDEO ENCODER  
 CARD  
 NETWORK STORAGE

# DS-2CD6362F-I(S)(V)

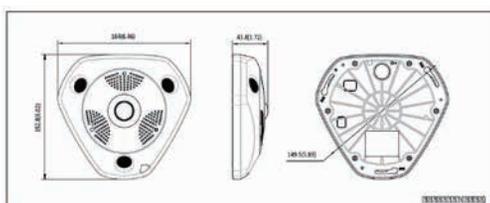
## 6MP Fisheye Network Camera



### Key features

- 1/1.8" progressive scan CMOS
- 6 mega-pixel image sensor
- Up to 3072 x 2048 resolution, 30fps
- 360° panoramic view
- Multiple viewing modes
- Virtual PTZ
- Up to 15m IR range
- Built-in microphone & speaker
- Audio/Alarm IO optional (-S)
- Outdoor version optional (-V)

### Dimensions



### Accessories



DS-1280ZJ-DM25  
Junction box



DS-1281ZJ-DM25  
Inclined ceiling mount



DS-1273ZJ-DM25  
Wall mount



DS-1271ZJ-DM25  
Pendant mount

### Available models

DS-2CD6362F-I, DS-2CD6362FD-IS  
DS-2CD6362F-IV, DS-2CD6362F-IVS

\* -S: Audio/Alarm, RS 485 interface optional

\* -V: IP66, Vandal-proof optional

| DS-2CD6362F-I(S)(V)         |   |  |
|-----------------------------|---|--|
| <b>Camera</b>               |   |  |
| Min. Illumination           | 0.05 lux @ (F1.2, AGC ON)<br>0.3 lux @ (F2.8, AGC ON )<br>0 lux with IR   |  |
| Shutter Speed               | 1/25(1/30) s to 1/100,000 s   |  |
| Slow Shutter                | Support   |  |
| Lens                        | 1.27mm, F2.8, Angle of view: 180°(wall mount), 360°(ceiling mount)  |  |
| Lens mount                  | M12   |  |
| Day & Night                 | ICR   |  |
| Digital Noise Reduction     | 3D DNR  |  |
| Wide Dynamic Range          | Digital WDR   |  |
| <b>Compression Standard</b> |   |  |
| Video Compression           | H.264/MJPEG   |  |
| H.264 Type                  | Baseline Profile / Main Profile   |  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |  |
| <b>Image</b>                |   |  |
| Max. Resolution             | 3072 x 2048   |  |
| Main Stream                 | 50Hz: 3072 x 2048@25fps; 60Hz: 3072 x 2048@25fps;   |  |
| Sub Stream                  | 50Hz: 720 x 720@25fps; 60Hz: 720 x 720@30fps;   |  |
| Live Mode                   | Mode 1  | 1*Fisheye + 1*Panorama + 3*PTZ                         |
|                             | Mode 2  | 1*Fisheye or 4*PTZ                                     |
|                             | Mode 3  | 1*Fisheye(main stream) + 1*Fisheye(sub stream) + 3*PTZ |
|                             | Mode 4  | 1*Panorama(main stream) + 1Panorama(sub stream)        |
| Digital Noise Reduction     | 3D DNR  |  |
| Wide Dynamic Range          | Digital WDR   |  |
| Image Setting               | Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance  |  |
| Day/Night Switch            | Auto/ Manual/ Scheduled/ Alarm Trigger  |  |
| ROI                         | Support   |  |
| <b>Network</b>              |   |  |
| Network Storage             | NAS (Support NFS, SMB/CIFS)   |  |
| Alarm Trigger               | Line crossing detection, Intrusion detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP  |  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |  |
| Standard                    | ONVIF(PROFILE S, PROFILE G), PSIA, CGI, ISAPI   |  |
| <b>Interface</b>            |   |  |
| Audio Input                 | 1 RJ45 10M/100M/1000M Ethernet interface<br>1 RS485 interface(-S)   |  |
| Audio Output                | 1 3.5mm audio interface, Mic in/Line in (-S)<br>1 built-in microphone by default, 24db  |  |
| Communication Interface     | 1 3.5mm audio output interface (-S)<br>1 built-in speaker by default, support echo cancellation   |  |
| Alarm Input                 | 1(-S)   |  |
| Alarm Output                | 1(-S)   |  |
| On-board storage            | Built-in Micro SD/SDXC slot, up to 64 GB  |  |
| <b>General</b>              |   |  |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)   |  |
| Power Supply                | 12 VDC ± 10% / PoE (802.3af)  |  |
| Power Consumption           | Max. 12W  |  |
| IR range                    | Max. 15m  |  |
| Protection                  | IEC 60068-2-75 test, Eh, 50J; EN 50102, EN50155, IK10   |  |
| Dimensions                  | 164 x 152.8 x 43.8mm (6.46" x 6.02" x 1.72")  |  |
| Weight                      | 1400g   |  |

# DS-2CD6332FWD-I(S)(V)

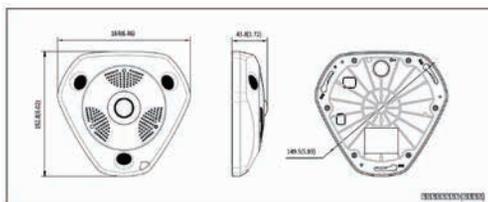
## 3MP WDR Fisheye Network Camera



### Key features

- 1/3" progressive scan CMOS
- 3 mega-pixel image sensor
- Up to 2048\*1536 resolution, 30fps
- 360° panoramic view
- Multiple viewing modes
- Virtual PTZ
- Up to 15m IR range
- Built-in microphone & speaker
- Audio/Alarm IO optional (-S)
- Outdoor version optional (-V)

### Dimensions



### Accessories



### Available models

DS-2CD6332FWD-I, DS-2CD6332FWD-IS  
 DS-2CD6332FWD-IV, DS-2CD6332FWD-IVS  
 \* -S: Audio/Alarm, RS 485 interface optional  
 \* -V: IP66, Vandal-proof optional

| DS-2CD6332FWD-I(S)(V)       |   |  |
|-----------------------------|---|--|
| <b>Camera</b>               |   |  |
| Image Sensor                | 1/3" Progressive Scan CMOS  |  |
| Min. Illumination           | 0.1lux @(F1.2, AGC ON)<br>0.28lux @(F2.0, AGC ON)<br>0 lux with IR  |  |
| Shutter Speed               | 1/25(1/30) s to 1/100,000 s   |  |
| Slow Shutter                | Support   |  |
| Lens                        | 1.19mm, F2.0<br>Angle of view: 180°(wall mount), 360°(ceiling mount)  |  |
| Lens mount                  | M12   |  |
| Day & Night                 | ICR   |  |
| Digital Noise Reduction     | 3D DNR  |  |
| Wide dynamic range          | 120dB WDR   |  |
| <b>Compression Standard</b> |   |  |
| Video Compression           | H.264/MJPEG   |  |
| H.264 Type                  | Baseline Profile / Main Profile   |  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |  |
| <b>Image</b>                |   |  |
| Max. Resolution             | 2048x1536   |  |
| Main Stream                 | 50Hz: 2048 × 1536@25fps; 60Hz: 2048 × 1536@30fps;   |  |
| Sub Stream                  | 50Hz: 720 × 720@25fps; 60Hz: 720 × 720@30fps;   |  |
| Live Mode                   | Mode 1  | 1*Fisheye + 1*Panorama + 3*PTZ                         |
|                             | Mode 2  | 1*Fisheye or 4*PTZ                                     |
|                             | Mode 3  | 1*Fisheye(main stream) + 1*Fisheye(sub stream) + 3*PTZ |
|                             | Mode 4  | 1*Panorama(main stream) + 1Panorama(sub stream)        |
| Digital Noise Reduction     | 3D DNR  |  |
| Wide Dynamic Range          | 120dB   |  |
| Image Setting               | Saturation, Brightness, Contrast, Hue, Sharpness, AGC, White Balance  |  |
| Day/Night Switch            | Auto/ Manual/ Scheduled/ Alarm Trigger  |  |
| ROI                         | Support   |  |
| <b>Network</b>              |   |  |
| Network Storage             | NAS (Support NFS, SMB/CIFS)   |  |
| Alarm trigger               | Line crossing detection, Intrusion detection, Motion detection, Dynamic analysis, Tampering alarm, Network disconnect, IP address conflict, Storage exception |  |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour (SIP, SRTP optional)         |  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access  |  |
| Standard                    | ONVIF(PROFILE S,PROFILE G), PSIA, CGI, ISAPI  |  |
| <b>Interface</b>            |   |  |
| Communication Interface     | 1 RJ45 10M/100M/1000M Ethernet interface<br>1 RS485 interface(-S)   |  |
| Audio Input                 | 1 3.5mm audio interface, Mic in/Line in (-S)<br>1 built-in microphone by default, 24db  |  |
| Audio Output                | 1 3.5mm audio output interface (-S)<br>1 built-in speaker by default, support echo cancellation   |  |
| Alarm Input                 | 1(-S)   |  |
| Alarm Output                | 1(-S)   |  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB   |  |
| <b>General</b>              |   |  |
| Operating Conditions        | Indoor: -10 °C – 50 °C (14 °F – 122 °F)<br>Outdoor: -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)                                 |  |
| Power Supply                | 12 VDC ± 10% / PoE (802.3af)  |  |
| Power Consumption           | Max. 12W  |  |
| IR range                    | Max. 15m  |  |
| Protection                  | IEC 60068-2-75 test, Eh, 50J; EN 50102, EN50155, IK10 (-V)  |  |
| Dimensions                  | 164x152.8x45.5mm (6.46"x6.02"x1.79")  |  |
| Weight                      | 1400g   |  |

# DS-2CD6412FWD-10/20(11/21)

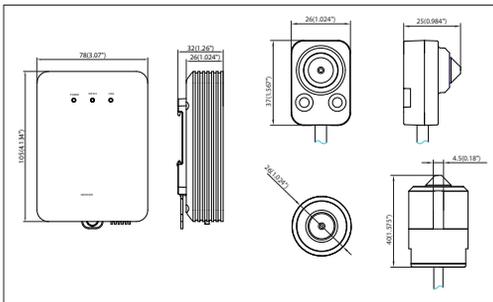
## 1.3MP WDR Pinhole Single / Dual Lens Covert Camera



### Key features

- 1280 x 960 high resolution
- 120dB WDR
- ROI codec
- Micro SD/SDXC, up to 64GB
- Triple video streams
- Rotate mode
- Audio & Alarm I/O
- Dual lens unit optional

### Dimensions



### Accessories



DS-2CD6412FWD-10  
(Cylindrical sensor unit)



DS-2CD6412FWD-20  
(L-shaped sensor unit)

### Available Models

DS-2CD6412FWD -10/20(-11/21) (Tube sensor unit)

\* The wall mount bracket and cylindrical covert bracket are included.

| DS-2CD6412FWD-10/20(11/21)    |  |
|-------------------------------|--|
| <b>Camera</b>                 |  |
| Sensor                        | 1/3" Progressive Scan CMOS   |
| Low illumination              | Color: 0.01 Lux @(F1.2,AGC ON); 0.04 Lux @(F2.3,AGC ON)<br>B/W: 0.001 Lux @(F1.2,AGC ON); 0.004 Lux @(F2.3,AGC ON)                         |
| Shutter time                  | 1/1 to 1/100,000 sec   |
| Slow shutter                  | Support  |
| Lens                          | -10/-20: 3.7mm@ F2.3, angle of view: 63°   |
| Lens mount                    | M12  |
| Day & Night                   | Electronic   |
| DNR                           | 3D DNR   |
| Wide dynamic range            | 120dB  |
| Number of lens unit           | -10/-20: single lens unit; -11/-21: dual lens unit   |
| Length of lens cable          | 2m, 8m optional  |
| <b>Compression Standard</b>   |  |
| Video compression             | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile           | Baseline profile / main profile / high profile   |
| Video bit rate                | 32Kbps ~ 16Mbps  |
| Audio compression             | G.711/G.722.1/G.726/MP2L2  |
| Audio bit rate                | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)  |
| <b>Network</b>                |  |
| Storage                       | Support Micro SD/SDHC/SDXC slot, up to 64GB; Edge recording, NAS(NFS,SMB/CIFS)   |
| Alarm trigger                 | Motion detection, face detection, dynamic analysis, tampering alarm, network disconnect, IP address conflicts, storage full, storage error |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour           |
| Standard                      | ONVIF, PSIA, CGI, ISAPI  |
| Common features               | Reset, flickerless, three streams, heartbeat, mirror, password protection, video masking, watermark, anonymous login, IP address filtering |
| <b>Image</b>                  |  |
| Max. resolution               | 1280 x 960   |
| Frame rate (main)             | 50Hz: 25fps (1280x960), 25fps (1280x720)<br>60Hz: 30fps (1280x960), 30fps (1280x720)   |
| Frame Rate (the third stream) | Independent from the main stream, the maximum support:<br>50Hz: 25fps (1280 × 960); 60Hz: 30fps (1280 × 960)                               |
| Image Settings                | Rotate mode(first channel), saturation, brightness, contrast, sharpness and gray scale adjustable  |
| BLC                           | Yes, zone configurable   |
| Defog                         | Support  |
| EIS                           | Support(first channel)   |
| HLC                           | Support  |
| Day/night mode                | Auto / Timing / Alarm trigger  |
| Image overlay                 | Support 128 × 128 size BMP with 24-bit depth image overlay, zone optional  |
| ROI                           | ROI support 4 fixed zones or dynamic tracking configuration in any of three streams  |
| <b>Interface</b>              |  |
| Audio interface               | 1 3.5mm audio input (Mic in / Line in) / output external interface   |
| Communication                 | 1 RJ45 10M/100M Ethernet interface/1 RS232   |
| Alarm in/ out                 | 1/ 1   |
| <b>General</b>                |  |
| Operating conditions          | -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing)  |
| Power supply                  | DC12V ± 10%, PoE (802.3af)   |
| Power consumption             | Max. 6.5W  |
| Dimensions                    | 78x105x32 mm (3.07" × 4.13" × 1.26")   |
| Shipping Weight               | 2m cable: <570g; 8m cable: <680g   |
| Net Weight                    | Main body: 210g<br>Cylindrical lens: 113g(2m), 233g(8m)<br>L-shaped lens: 99g(2m), 220g(8m)<br>Package+accessories: 224g                   |

# DS-2CD6412FWD-30(31)

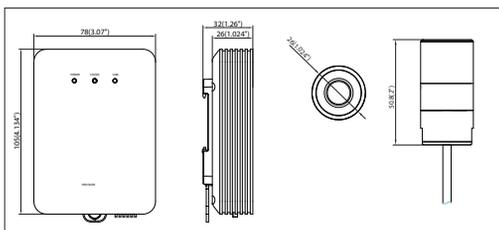
## 1.3MP WDR Single / Dual Fixed Lens Tube Camera



### Key features

- 1280 x 960 high resolution
- 120dB WDR
- ROI codec
- On-board storage, up to 64GB
- Triple video streams
- Rotate mode
- Audio/Alarm IO
- Dual lens unit optional

### Dimensions



### Accessories



Wall mount bracket    Clamp bracket (Optional)    Cylindrical covert bracket

### Available models

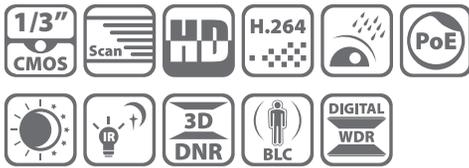
DS-2CD6412FWD-30 (Tube sensor unit)

\* The wall mount bracket and cylindrical covert bracket are included.

| DS-2CD6412FWD-30(31)          |  |
|-------------------------------|--|
| <b>Camera</b>                 |  |
| Sensor                        | 1/3" Progressive Scan CMOS   |
| Low illumination              | Color: 0.01lux @(F1.2, AGC ON)<br>B/W: 0.001lux @(F1.2, AGC ON)  |
| Shutter time                  | 1/1 to 1/100,000 sec   |
| Slow shutter                  | Support  |
| Lens                          | 4mm @ F2.0, angle of view: 73.1° (2.0mm, 2.8mm, 6mm, optional)   |
| Lens mount                    | M12  |
| Day & Night                   | Electronic   |
| DNR                           | 3D DNR   |
| Wide dynamic range            | 120dB  |
| Number of lens unit           | -30: single lens; -31: dual lens   |
| Length of lens cable          | 2m, 8m optional  |
| <b>Compression Standard</b>   |  |
| Video compression             | H.264 / MPEG4 / MJPEG  |
| H.264 codec profile           | Baseline profile / main profile / high profile   |
| Video bit rate                | 32Kbps ~ 16Mbps  |
| Audio compression             | G.711 / G.726 / MP2L2  |
| Audio bit rate                | 64Kbps (G.711) / 16Kbps (G.726) / 32-128Kbps (MP2L2)   |
| <b>Network</b>                |  |
| Storage                       | Support Micro SD/SDHC/SDXC slot, up to 64GB; Edge recording, NAS(NFS,SMB/CIFS)   |
| Alarm trigger                 | Motion detection, face detection, dynamic analysis, tampering alarm, network disconnect, IP address conflicts, storage full, storage error           |
| Protocols                     | TCP/IP , ICMP , HTTP , HTTPS , FTP , DHCP , DNS , DDNS , RTP , RTSP , RTCP , PPPoE , NTP , UPnP , SMTP , SNMP , IGMP , 802.1X , QoS , IPv6 , Bonjour |
| Standard                      | ONVIF, PSIA, CGI, ISAPI  |
| Common features               | Reset, flickerless, three streams, heartbeat, mirror, password protection, video masking, watermark, anonymous login, IP address filtering           |
| <b>Image</b>                  |  |
| Max. resolution               | 1280 x 960   |
| Frame rate (main)             | 50Hz: 25fps (1280x960), 25fps (1280x720)<br>60Hz: 30fps (1280x960), 30fps (1280x720)   |
| Frame Rate (the third stream) | Independent from the main stream, the maximum support: 50Hz: 25fps (1280 x 960); 60Hz: 30fps (1280 x 960)  |
| Image Settings                | Rotate mode (first channel), saturation, brightness, contrast, sharpness and gray scale adjustable   |
| BLC                           | Yes, zone optional   |
| Defog                         | Support  |
| EIS                           | Support(first channel)   |
| HLC                           | Support  |
| Day/night mode                | Auto / Timing / Alarm trigger  |
| Image overlay                 | Support 128 x 128 size BMP with 24-bit depth image overlay, zone optional  |
| ROI                           | ROI support 4 fixed zones or dynamic tracking configuration in any of three streams  |
| <b>Interface</b>              |  |
| Audio interface               | 1 3.5mm audio input (Mic in / Line in) / output external interface   |
| Communication                 | 1 RJ45 10M/100M Ethernet interface/1 RS232   |
| Alarm in/ out                 | 1/ 1   |
| <b>General</b>                |  |
| Operating conditions          | -30 °C ~ 60 °C (-22 °F ~ 140 °F), humidity 95% or less (non-condensing)  |
| Power supply                  | DC12V ± 10%, PoE (802.3af)   |
| Power consumption             | Max. 6.5W  |
| Dimensions                    | 78x105x32 mm (3.07" x 4.13" x 1.26")   |
| Shipping Weight               | 2m cable: <570g; 8m cable: <680g   |
| Net Weight                    | Main body: 210g  |
|                               | Tube lens: 129g(2m), 242g(8m)<br>Package+accessories: 224g   |

# DS-2CD6510-I

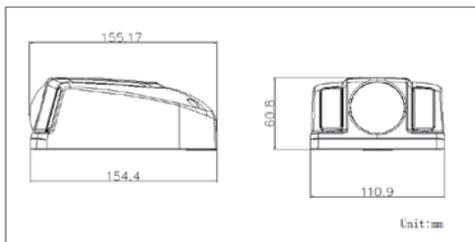
## 1.3MP Outer-vehicle Network Camera



### Key features

- 1280 x 960 high resolution
- Up to 30m IR range
- 3D DNR, D WDR
- IP68 protection
- Vandal proof
- Analog output support

### Dimensions



### Available Models

DS-2CD6510-I

| DS-2CD6510-I                |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image Sensor                | 1/3" Progressive Scan CMOS   |
| Min. Illumination           | 0.01 Lux @ (F1.2, AGC ON), 0 lux with IR<br>0.028 Lux @ (F2.0, AGC ON), 0 lux with IR  |
| Shutter Speed               | 1/3s ~ 1/100, 000s   |
| Lens                        | 4mm @F2.0, angle of view: 73.1°(4mm), 46°(6mm), 35.5°(8mm), 22°(12mm)<br>(6mm, 8mm, 12mm optional)                               |
| Lens mount                  | M12  |
| Day & Night                 | IR cut filter with auto switch   |
| Adjustment angle            | H: -15°~15°, V: 0°~ 30°, R: -90°~90°   |
| Digital Noise Reduction     | 3D DNR   |
| Wide Dynamic Range          | DWDR   |
| <b>Compression Standard</b> |  |
| Video compression           | H.264 / MJPEG  |
| H.264 codec profile         | Baseline/ Main Profile   |
| Video bit rate              | 32 Kbps ~ 8 Mbps   |
| <b>Image</b>                |  |
| Max. Resolution             | 1280 × 960   |
| Frame Rate                  | 50Hz: 25fps(1280 × 960), 25fps (1280 × 720)<br>60Hz: 30fps (1280 × 960), 30fps (1280 × 720)                                      |
| Image Setting               | Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser   |
| <b>Network</b>              |  |
| Storage                     | NAS (Support NFS,SMB/CIFS)   |
| Alarm trigger               | Motion detection, Tampering alarm, Network disconnect, IP address conflict   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour |
| Security                    | Flickerless, heartbeat, mirror, user authentication, video masking, watermark, anonymous log on, IP address filtering            |
| Standard                    | ONVIF (PROFILE S,PROFILE G), PSIA, CGI, ISAPI  |
| <b>Interface</b>            |  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port  |
| Analog output               | CVBS output  |
| <b>General</b>              |  |
| Operating conditions        | -40 °C ~ 70 °C (-40 °F ~ 158 °F) Humidity 95% or less (non-condensing)   |
| Power supply                | DC12V ± 10%, PoE (802.3af)   |
| Power consumption           | Max. 8.5W  |
| Ingress Protection          | IP68   |
| Impact Protection           | IEC60068-275Eh, 20J EN50102, up to IK10 EN50155  |
| IR range                    | Up to 30m  |
| Dimensions                  | 155.17 × 110.9 × 60.8 mm   |
| Weight                      | 846g   |

# iDS-2CD6412FWD/C

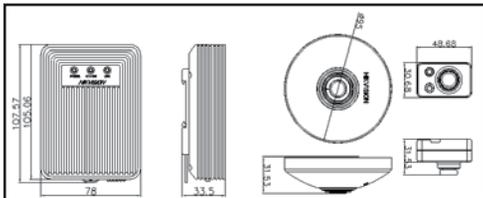
## 1.3MP People Counting Intelligent Network Camera



### Key features

- Support real-time people entering/exiting data.
- Support statistical traffic report based on configurable time interval (day/week/month/year).
- Up to 1.3 Megapixel high resolution, 1280x960 up to 30fps real-time video
- 1/3-inch progressive scene CMOS sensor
- Support Smart Codec, high bandwidth efficiency, low time delay and optimized bit rate.
- Support 120dB WDR and 3D DNR.
- Support on-board storage, Micro SD/SDHC/SDXC up to 64GB, card not included.
- Triple video streams for different uses.
- Defog, Electronic Image Stabilization, various BLC modes.
- Support Smart Detection, including: Intrusion Detection, Audio Exception Detection, etc.

### Dimensions



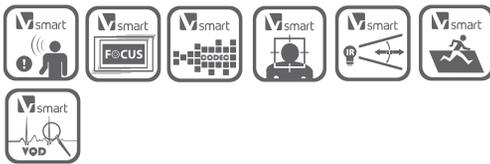
### Available Models

iDS-2CD6412FWD/C (2m), iDS-2CD6412FWD/C (8m)

| iDS-2CD6412FWD/C            |   |
|-----------------------------|---|
| <b>Camera</b>               |   |
| Image Sensor                | 1/3" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 Lux @ (F2.0, AGC ON)<br>B/W: 0.001 Lux @ (F1.2, AGC ON), 0.0028 Lux @ (F2.0, AGC ON)  |
| Shutter Speed               | 1/1s ~ 1/100,000s   |
| Slow Shutter                | Support   |
| Lens                        | 2.1mm/F2.2, horizontal FoV: 115°<br>2.8mm/F2.0, horizontal FoV: 92.5°   |
| Day & Night                 | Electronic  |
| DNR                         | 3D Digital Noise Reduction  |
| WDR                         | 120dB Wide Dynamic Range  |
| Lens Cable Length           | 2 meters, 8 meters optional   |
| <b>Compression Standard</b> |   |
| Video Compression           | H.264 / MJPEG / MPEG4   |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile  |
| Video Bit Rate              | 32 Kbps – 16 Mbps   |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2   |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.722.1) / 16Kbps(G.726) / 32-128Kbps(MP2L2)   |
| <b>Image</b>                |   |
| Max. Resolution             | 1280 × 960  |
| Frame Rate                  | 50Hz: 25fps(1280 x 960), (1280 x 720)<br>60Hz: 30fps(1280 x 960), (1280 x 720)  |
| Frame Rate (sub stream)     | 25/30fps (VGA, 4CIF, CIF)   |
| Frame Rate (third stream)   | 50Hz: 25fps(1280 x 960)<br>60Hz: 30fps(1280 x 960)  |
| Image Setting               | Rotate Mode, Saturation, Brightness, Contrast, Sharpness adjustable by client software or web browser   |
| BLC                         | Yes, zone configurable  |
| Defog                       | Yes   |
| HLC                         | Yes   |
| EIS                         | Yes   |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format   |
| RoI                         | 4 fixed regions can be set or dynamic analysis  |
| <b>Interface</b>            |   |
| Audio Interface             | 1 x 3.5mm audio input (Mic in / Line in) / output external interface  |
| Communication Interface     | 1 x RJ45 10M/100M Ethernet interface/1 RS232/1 RS-485   |
| Alarm I/O                   | 1/1   |
| <b>Network</b>              |   |
| Network Storage             | NAS (NFS,SMB/CIFS)  |
| Alarm Trigger               | Intrusion detection, audio exception detection, defocus detection, motion detection, face detection, dynamic analysis, tampering alarm, network disconnect, IP address conflicts, storage full, storage error |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Standard                    | ONVIF, PSIA, CGI, ISAPI   |
| Common features             | Reset, flickerless, three streams, heartbeat, mirror, password protection, video masking, watermark, anonymous login, IP address filtering  |
| <b>People Counting</b>      |   |
| People Counting             | People entering and exiting data can be accounted, displayed and exported   |
| People Counting             | People counting data can be displayed on screen in real time and exported day/week/month/year excel chart (with SD card/NAS/Storage Server/Platform)  |
| <b>General</b>              |   |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F), Humidity 95% or less (non-condensing)   |
| Power Supply                | 12 V DC ± 10%   |
| Power Consumption           | Max. 6.5W   |
| Dimensions                  | Main unit: 107.6mm x 78mm x 33.5mm<br>Lens: 48.7mm x 30.7mm x 31.5mm<br>Lens cover : Φ 95 x 31.5mm  |
| Weight                      | 615g (with 2 meters cable) or 770g (with 8 meters cable)  |

# iDS-2CD6124FWD-I/H

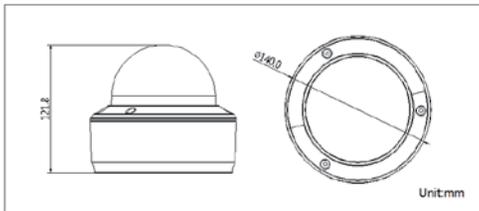
## 2MP WDR ICR Intelligent Network Dome Camera



### Key features

- Up to 2 megapixel (1920×1200) @ 30 fps resolution
- Wide dynamic range , up to 120dB
- Heat mapping
- Alarm & Audio I/O, two-way audio
- Support 12VDC/PoE power modes
- Support local analog video output for adjustment and installation

### Dimensions



### Accessories



DS-1227ZJ  
Indoor in-ceiling mount



DS-1273ZJ-130  
Indoor wall mount

### Available Models

iDS-2CD6124FWD-I/H

| iDS-2CD6124FWD-I/H          |  |
|-----------------------------|--|
| <b>Camera</b>               |  |
| Image Sensor                | 1/2.8" Progressive Scan CMOS   |
| Min. Illumination           | 0.01 Lux @(F1.2,AGC ON),0 Lux with IR<br>0.014Lux @(F1.4,AGC ON),0 Lux with IR   |
| Shutter Speed               | 1 s to 1/100,000 s   |
| Slow Shutter                | Support  |
| Lens                        | 2.8-12mm @ F1.4, angle of view: 113-33.8°<br>-Z: 2.8-12mm @ F1.4, angle of view: 113-33.8°   |
| Lens Mount                  | Φ14  |
| Angle Adjustment            | Pan:0° - 355°, Tilt: 0° - 75°, Rotation: 0° - 355°   |
| Auto-iris                   | DC drive   |
| Day & Night                 | IR cut filter with auto switch   |
| Digital Noise Reduction     | 3D DNR   |
| Wide Dynamic Range          | 120dB  |
| <b>Compression Standard</b> |  |
| Video Compression           | H.264/MPEG4/MJPEG  |
| H.264 Type                  | Baseline Profile / Main Profile / High Profile   |
| Video Bit Rate              | 32 Kbps – 16 Mbps  |
| Audio Compression           | G.711/G.726/MP2L2  |
| Audio Bit Rate              | 64Kbps(G.711) / 16Kbps(G.726)/ 32-128Kbps(MP2L2)   |
| <b>Image</b>                |  |
| Max. Resolution             | 1920 × 1200  |
| Frame Rate                  | 50Hz: 25fps(1920 × 1200), 25fps(1920 × 1080), 25fps (1280 × 720)<br>60Hz: 30fps (1920 × 1200), 30fps (1920 × 1080), 30fps (1280 × 720)   |
| BLC                         | Support, zone optional   |
| HLC                         | Support  |
| Image Setting               | Saturation, Brightness, Contrast adjustable by client software or web browser  |
| Day/Night Switch            | Auto/Schedule/Triggered by Alarm In  |
| ROI                         | Support 4 different areas configuration in all the three streams with adjustable 6 levels. Automatically dynamic tracking with face detection can be configured.   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128x128 24bit bmp format  |
| <b>Network</b>              |  |
| Network Storage             | NAS(NFS, SMB/HIFS), edge recording   |
| Protocols                   | TCP/IP, ARP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour  |
| Security                    | User Authentication, Watermark, IP address filtering, Anonymous access   |
| Standard                    | ONVIF, PSIA, CGI, ISAPI  |
| <b>Intelligent</b>          |  |
| Intelligent Analysis        | Hot area map   |
| Alarm Trigger               | Line crossing, Intrusion ,Motion detection, Face Detection , Defocus Detection , Scene Change, Audio Abnormal, Motion detection ,Tampering alarm, Network disconnect, IP address conflict, Storage exception |
| <b>Interface</b>            |  |
| Audio Input                 | 1-ch 3.5 mm audio interface, Mic in/Line in  |
| Audio Output                | 1-ch 3.5 mm audio interface  |
| Communication Interface     | 1 RJ45 10M/100M Ethernet port, 1 RS-485 interface and 1 RS-232 interface   |
| Alarm Input                 | 1  |
| Alarm Output                | 1  |
| Video Output                | 1Vp-p composite output (75 Ω/BNC)  |
| On-board storage            | Built-in Micro SD/SDHC/SDXC slot, up to 64 GB  |
| Reset Button                | Yes  |
| <b>General</b>              |  |
| Operating Conditions        | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 95% or less (non-condensing)  |
| Power Supply                | 12 V DC ± 10%, PoE (802.3af)   |
| IR Range                    | Approx. 10 to 30 meters  |
| Impact Protection           | IEC60068-275Eh, 20J; EN50102, up to IK10   |
| Power Consumption           | Max. 6 W (Max. 8W with IR on)  |
| Dimensions                  | Φ 140 × 121.8 mm (Φ 5.51" × 4.80")   |
| Weight                      | 1400g (3.09 lbs)   |
| Weight                      | 846g   |



ANALOG CAMERA

# DS-2CC11A1P(N)(-A)

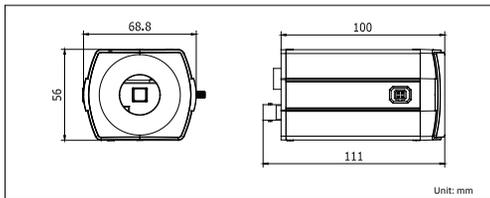
## 700TVL High Definition Box Camera



### Key features

- 1/3" SONY CCD
- 700 TVL Horizontal Resolution
- True Day/Night (DS-2CC11A1P(N)-A)
- OSD Menu
- DNR, Digital WDR
- 12 VDC / 24 VAC (DS-2CC11A1P(N)-A)

### Dimensions



### Accessories



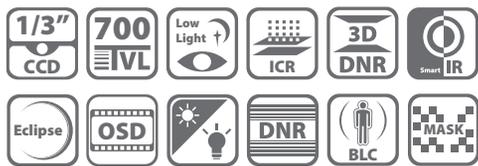
### Available models

PAL: DS-2CC11A1P, DS-2CC11A1P-A  
 NTSC: DS-2CC11A1N, DS-2CC11A1N-A

|                               | DS-2CC11A1P(N)   | DS-2CC11A1P(N)-A   |
|-------------------------------|--|--|
| <b>Camera</b>                 |  |  |
| Image Sensor                  | 1/3" SONY CCD  |  |
| Signal System                 | PAL/NTSC   |  |
| Effective Pixels              | PAL: 976 (H) × 582 (V), NTSC: 976 (H) × 494 (V)  |  |
| Min. Illumination             | 0.001 Lux @ (F1.2, AGC ON)   | Color: 0.001 Lux @ (F1.2, AGC ON)<br>B/W: 0.0001 Lux @ (F1.2, AGC ON)                                |
| Shutter speed                 | PAL: 1/50 s to 1/10,000 s<br>NTSC: 1/60 s to 1/10,000 s                                    |  |
| Lens Mount                    | C/CS mount   |  |
| Auto Iris                     | DC drive   |  |
| Day & Night                   | Electronic   | IR cut filter with auto switch   |
| Horizontal Resolution         | 700TVL   |  |
| Synchronization               | Internal synchronization   | Internal/Power synchronization   |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC)  |  |
| S/N Ratio                     | More than 62 dB  |  |
| <b>Menu</b>                   |  |  |
| Camera ID                     | On/Off (52 letters, position adjustable)   |  |
| D/N Mode                      | Auto /Day /Night   | Auto /Day /Night/ EXT1/ EXT2   |
| White Balance                 | ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK  |  |
| Private Mask                  | On/Off, maximum 8 zones  |  |
| Motion Detection              | On/Off   |  |
| Back Light                    | BLC/HLC/Off  |  |
| Language                      | Chinese/ English/ Japanese/ German/ French/ Russian/ Portuguese/ Spanish                   |  |
| Function                      | ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction | SMART IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction |
| <b>General</b>                |  |  |
| Working Temperature/ Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                   |  |
| Power Supply                  | 12 V DC ± 10%  | 24 V AC ± 10%, 12 V DC ± 10%   |
| Power Consumption             | Max. 2 W   | Max. 2 W (Max. 4 W with IR cut filter on)  |
| Dimensions                    | 68.8 x 56 x 111mm (2.71" × 2.20" × 4.37")  |  |
| Weight                        | 400g (0.88 lb)   |  |

# DS-2CC11A5/11A7/11A8P(N)-A(-C)

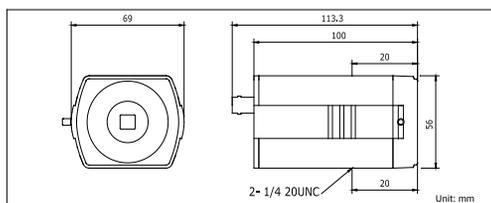
## 700TVL High Definition Box Camera



### Key features

- 1/3" SONY CCD
- Super Low Illumination
- 700 TVL Horizontal Resolution
- 3D Digital Noise Reduction, Smart IR
- 75 dB Wide Dynamic Range (DS-2CC11A7P(N)-A)
- Highlight Compensation (DS-2CC11A8P(N)-A)
- True Day/Night
- OSD Menu

### Dimensions



### Accessories



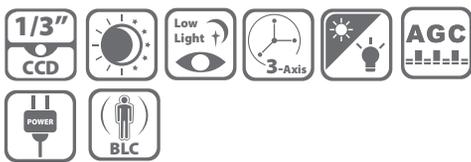
### Available models

PAL: DS-2CC11A5P-A, DS-2CC11A5P-C, DS-2CC11A7P-A, DS-2CC11A7P-C, DS-2CC11A8P-A, DS-2CC11A8P-C  
 NTSC: DS-2CC11A5N-A, DS-2CC11A5N-C, DS-2CC11A7N-A, DS-2CC11A7N-C, DS-2CC11A8N-A, DS-2CC11A8N-C

|                               | DS-2CC11A5P(N)-A(-C)   | DS-2CC11A7P(N)-A(-C)   | DS-2CC11A8P(N)-A(-C)   |
|-------------------------------|--|--|--|
| <b>Camera</b>                 |  |  |  |
| Image Sensor                  | 1/3" SONY CCD  |  |  |
| Signal System                 | PAL/NTSC   |  |  |
| Effective Pixels              | PAL: 976 (H) × 582 (V), NTSC: 976 (H) × 494 (V)  |  |  |
| Min. Illumination             | Color: 0.001 Lux @ (F1.2, AGC ON),<br>0.0001 Lux @ (F1.2, AGC ON, sensitivity × 512)<br>B/W: 0.0001 Lux @ (F1.2, AGC ON),<br>0.00001 Lux @ (F1.2, AGC ON, sensitivity × 512)   |  |  |
| Shutter speed                 | PAL: 1/50 s to 1/100,000 s, NTSC: 1/60 s to 1/100,000 s  |  |  |
| Lens Mount                    | C/CS mount   |  |  |
| Auto Iris                     | DC/Video drive   |  |  |
| Day & Night                   | IR cut filter with auto switch   |  |  |
| Wide Dynamic Range            | Digital  | 75 dB  | Digital  |
| Horizontal Resolution         | 700 TVL  |  |  |
| Synchronization               | Internal/Power synchronization   |  |  |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC)  |  |  |
| S/N Ratio                     | More than 62 dB  |  |  |
| <b>Menu</b>                   |  |  |  |
| Camera ID                     | On/Off (16 letters, position adjustable)   |  |  |
| Auto Gain                     | Low/Middle/High/Off  |  |  |
| D/N Mode                      | Auto1/Auto2/Day/Night  |  |  |
| White Balance                 | Auto trace WB1/Auto trace WB2/Manual/Auto Control  |  |  |
| Privacy Masking               | On/Off, maximum 12 zones   |  |  |
| Motion Detection              | Mode 1/Mode 2/Off  |  |  |
| BLC                           | Area/Value/Off   |  |  |
| HLC                           | -  | -  | Compensation Intensity/Off   |
| WDR                           | -  | Value/ Contrast /WD exposure compensation/ Return  | -  |
| RS-485                        | Address/Protocol/Baud Rate   |  |  |
| Anti-Flicker                  | On/Off   |  |  |
| Language                      | English/Chinese  |  |  |
| Function                      | SMART IR, Digital Wide Dynamic Range, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction, auto-iris correction | SMART IR, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction, auto-iris correction | Digital Wide Dynamic Range, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction, auto-iris correction |
| Scene                         | Indoor Standard , Indoor Backlight , Outdoor, Low illumination, IR Standard, Customize   | Indoor Standard , Indoor Backlight , Outdoor, Low illumination, Customize  | Indoor Backlight , Outdoor Backlight   |
| <b>General</b>                |  |  |  |
| Working Temperature/ Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)   |  |  |
| Power Supply                  | 24 V AC ± 10%, 12 V DC ± 10% (-C series support 100 - 240 V AC)  |  |  |
| Power Consumption             | Max. 5 W(Max. 10 W with IR cut filter on)  |  |  |
| Dimensions                    | 69 x 56 x 113.3mm (2.72" × 2.20" × 4.46")  |  |  |
| Weight                        | 400g (0.88 lb)   |  |  |

# DS-2CC51A2P(N)

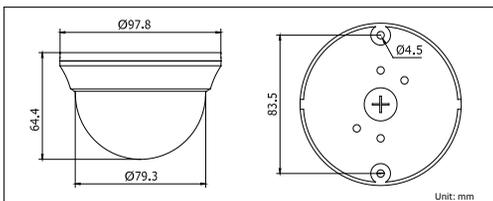
## Indoor Dome Camera



### Key features

- High performance Sony CCD
- Low illumination
- Day/Night auto switch
- 3-axis adjustment
- Compact design

### Dimensions



### Available models

PAL: DS-2CC51A2P  
NTSC: DS-2CC51A2N

| DS-2CC51A2P(N)                   |   |
|----------------------------------|---|
| Camera                           |   |
| Image Sensor                     | 1/3" SONY CCD   |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)   |
| Min. Illumination                | 0.001 Lux @ (F1.2, AGC ON)<br>0.0028 Lux @ (F2.0, AGC ON)   |
| Shutter speed                    | PAL: 1 / 50 s to 1 / 100,000 s<br>NTSC: 1 / 60 s to 1 / 100,000 s   |
| Lens                             | 3.6 mm @ F2.0 (2.8 mm, 6 mm, 8 mm, 12 mm, 16 mm optional)<br>Angle of view: 78° (3.6 mm)                    |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: 0 ~ 355°, tilt: 0 ~ 90°, rotation: 0 ~ 355°  |
| Day & Night                      | Electronic  |
| Horizontal Resolution            | 700 TVL   |
| Synchronization                  | Internal synchronization  |
| Video Output                     | 1Vp-p composite output (75 Ω / BNC);<br>Test monitor out [1Vp-p composite output (75 Ω / BNC), device line] |
| S/N Ratio                        | More than 62 dB   |
| General                          |   |
| Working Temperature/<br>Humidity | -10°C ~ 60°C (14°F ~ 140°F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC ± 10%  |
| Power Consumption                | Max. 2W   |
| Dimensions                       | Φ 97.8 x 64.4mm (Φ 3.85" x 2.54")   |
| Weight                           | 300g (0.66 lb)  |

# DS-2CC51A1/51A5/51A7P(N)-VF

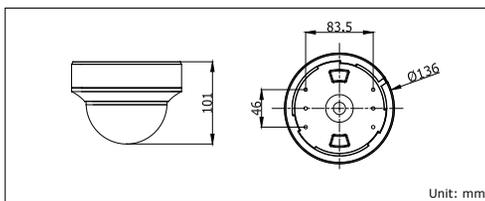
## 700TVL Indoor Vari-focal Dome Camera



### Key features

- 1/3" SONY CCD
- 700 TVL Horizontal Resolution
- Super Low Illumination
- 2.8–12mm Vari-focal Lens
- True Day/Night
- 75 dB Wide Dynamic Range (DS-2CC51A7P(N)-VF)
- OSD Menu, DNR, Smart IR, Eclipse

### Dimensions



### Accessories



### Available models

PAL: DS-2CC51A1P-VF, DS-2CC51A5P-VF, DS-2CC51A7P-VF,  
NTSC: DS-2CC51A1N-VF, DS-2CC51A5N-VF, DS-2CC51A7N-VF

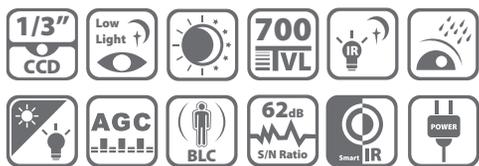
|                               | DS-2CC51A1P(N)-VF  | DS-2CC51A5P(N)-VF  | DS-2CC51A7P(N)-VF  |
|-------------------------------|--|--|--|
| <b>Camera</b>                 |  |  |  |
| Image Sensor                  | 1/3" SONY CCD  |  |  |
| Signal System                 | PAL/NTSC   |  |  |
| Effective Pixels              | PAL: 976 (H) × 582 (V), NTSC: 976 (H) × 494 (V)  |  |  |
| Min. Illumination             | Color: 0.001 Lux @ (F1.2, AGC ON),<br>B/W: 0.0001 Lux @ (F1.2, AGC ON)                                 | Color: 0.001 Lux @ (F1.2, AGC ON),<br>0.0001 Lux @ (F1.2, AGC ON, sensitivity × 512)<br>B/W: 0.0001 Lux @ (F1.2, AGC ON),<br>0.00001 Lux @ (F1.2, AGC ON, sensitivity × 512)   | Color: 0.001 Lux @ (F1.2, AGC ON),<br>0.0001 Lux @ (F1.2, AGC ON, sensitivity × 512)<br>B/W: 0.0001 Lux @ (F1.2, AGC ON),<br>0.00001 Lux @ (F1.2, AGC ON, sensitivity × 512)                   |
|                               | Color: 0.0014 Lux @ (F1.4, AGC ON),<br>B/W: 0.00014 Lux @ (F1.4, AGC ON)                               | Color: 0.0014 Lux @ (F1.4, AGC ON),<br>0.00014 Lux @ (F1.4, AGC ON, sensitivity × 512)<br>B/W: 0.00014 Lux @ (F1.4, AGC ON),<br>0.000014 Lux @ (F1.4, AGC ON, sensitivity × 512)   | Color: 0.0014 Lux @ (F1.4, AGC ON),<br>0.00014 Lux @ (F1.4, AGC ON, sensitivity × 512)<br>B/W: 0.00014 Lux @ (F1.4, AGC ON),<br>0.000014 Lux @ (F1.4, AGC ON, sensitivity × 512)               |
| Shutter speed                 | PAL: 1/50 s to 1/100,000 s, NTSC: 1/60 s to 1/100,000 s  |  |  |
| Lens                          | 2.8 - 12 mm @ F1.4<br>Angle of view: 80° - 27.2°   |  |  |
| Lens Mount                    | Φ14  |  |  |
| Auto Iris                     | DC drive   |  |  |
| Angle Adjustment              | Pan: 0 - 355°, Tilt: 0 - 180°, Rotation: 0 - 355°  |  |  |
| Day & Night                   | IR cut filter with auto switch   |  |  |
| Horizontal Resolution         | 700 TVL  |  |  |
| Synchronization               | Internal/Power synchronization   |  |  |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC)<br>Test monitor out [1Vp-p composite output (75 Ω/BNC), device line] |  |  |
| S/N Ratio                     | More than 62 dB  |  |  |
| <b>Menu</b>                   |  |  |  |
| Camera ID                     | On/Off (52 letters, position adjustable)   | On/Off (16 letters, position adjustable)   | On/Off (16 letters, position adjustable)   |
| Auto Gain                     | -  | Low/Middle/High/Off  | Low/Middle/High/Off  |
| D/N Mode                      | Auto /Day/Night  |  |  |
| White Balance                 | ATW/PUSH/USER1/USER2/ANTI-CR/MANUAL/PUSH LOCK  | Auto trace WB1/Auto trace WB2/Manual/Auto Control  | Auto trace WB1/Auto trace WB2/Manual/Auto Control  |
| Privacy Masking               | On/Off, maximum 8 zones  | On/Off, maximum 12 zones   | On/Off, maximum 12 zones   |
| Motion Detection              | On/Off   |  |  |
| Back Light                    | BLC/HLC/Off  | Area/Value/Off   | Area/Value/Off   |
| WDR                           | -  | -  | Value/ Contrast / WD exposure compensation/ Return   |
| Anti-Flicker                  | -  | On/Off   | On/Off   |
| Language                      | Chinese/ English/ Japanese/ German/ French/ Russian/ Portuguese/ Spanish                               | English/Chinese  | English/Chinese  |
| Function                      | ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction             | SMART IR, Digital Wide Dynamic Range, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction, auto-iris correction | SMART IR, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction, auto-iris correction |
| Scene                         | -  | Indoor Standard , Indoor Backlight , Outdoor, Low illumination , IR Standard , Customize   | Indoor Standard , Indoor Backlight , Outdoor, Low illumination , Customize, IR Standard  |
| <b>General</b>                |  |  |  |
| Working Temperature/ Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                               |  |  |
| Power Supply                  | 24 V AC ± 10%, 12 V DC ± 10%   |  |  |
| Power Consumption             | Max. 4 W<br>(Max. 4.5 W with IR cut filter on)   |  |  |
| Dimensions                    | Φ136 × 101mm (Φ 5.35" × 3.98")   |  |  |
| Weight                        | 800g (1.76 lbs)  |  |  |

# DS-2CC52A2P(N)-IT3

## 700TVL Outdoor EXIR Dome Camera



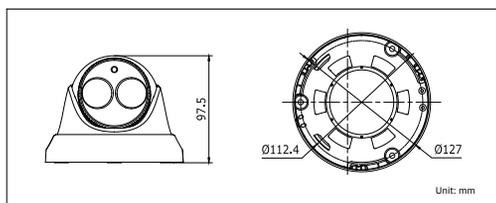
**EXIR**



### Key features

- 1/3" CCD
- 700 TVL Horizontal Resolution
- Electronic Day/Night
- 0.001 lux /F1.2, 0.002 lux /F1.8
- Smart IR
- Superior video image output and ultra low light illumination
- 40m IR Distance

### Dimensions



### Accessories



DS-1273ZJ-130-TRL  
Wall mount



DS-1280ZJ-M  
Inclined ceiling mount

### Available models

PAL: DS-2CC52A2P-IT3  
NTSC: DS-2CC52A2N-IT3

| DS-2CC52A2P(N)-IT3           |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" CCD   |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)                                      |
| Min. Illumination            | 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.002 Lux @ (F1.8, AGC ON), 0 Lux with IR |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                              |
| Lens                         | 3.6 mm @ F1.8 (2.8mm, 6 mm, 8 mm, 12mm, 16 mm optional)<br>Angle of view: 70° (3.6 mm) |
| Lens Mount                   | M12  |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                       |
| Day & Night                  | Electronic   |
| Horizontal Resolution        | 700 TVL  |
| Synchronization              | Internal synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)  |
| S/N Ratio                    | More than 62 dB  |
| BLC                          | On   |
| General                      |  |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing)              |
| Power Supply                 | 12 VDC   |
| Power Consumption            | Max. 5 W   |
| Ingress Protection           | IP66   |
| IR Range                     | 40 meters  |
| Dimensions                   | Φ 127× 97.5mm (Φ 5" × 3.84")   |
| Weight                       | 650g (1.433 lbs)   |

# DS-2CC52A1P(N)-VP

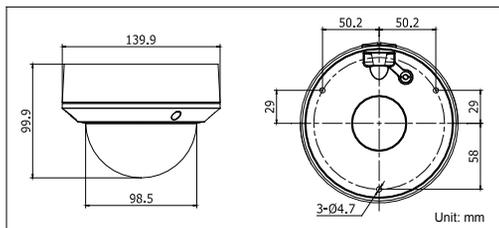
## 700TVL Outdoor Vandal Proof Dome Camera



### Key features

- 1/3" SONY CCD
- 700 TVL Horizontal Resolution
- Electronic Day/Night
- 2.8–12mm Vari-focal Lens
- OSD Menu, DNR, Digital WDR, Eclipse
- Vandal Proof, IP66 Rating

### Dimensions



### Accessories



DS-1273ZJ-135  
Wall mount



DS-1271ZJ-135  
Pendant Mount

### Available models

PAL: DS-2CC52A1P-VP  
NTSC: DS-2CC52A1N-VP

| DS-2CC52A1P(N)-VP            |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" SONY CCD  |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)  |
| Min. Illumination            | 0.001Lux @ (F1.2,AGC ON)<br>0.0014Lux @ (F1.4,AGC ON)  |
| Shutter Speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s  |
| Lens                         | 2.8 - 12 mm @ F1.4<br>Angle of view: 80° - 27.2°   |
| Lens Mount                   | Φ14  |
| Auto Iris                    | DC drive   |
| Angle Adjustment             | Pan: 0 - 355°, Tilt: 0 - 75°, Rotation: 0 - 355°   |
| Day & Night                  | Electronic   |
| Horizontal Resolution        | 700 TVL  |
| Synchronization              | Internal synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)<br>Test monitor out [1Vp-p composite output (75 Ω/BNC), device line] |
| S/N Ratio                    | More than 62 dB  |
| Menu                         |  |
| Camera ID                    | On/Off (52 letters, position adjustable)   |
| D/N Mode                     | Auto /Day /Night   |
| White Balance                | ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK  |
| Privacy Masking              | On/Off, maximum 8 zones  |
| Motion Detection             | On/Off   |
| Back Light                   | BLC/HLC/Off  |
| Language                     | English/Chinese/ Korean/ Italian/ Russian/ Portuguese/ German/ French                                  |
| Function                     | ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction             |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                               |
| Power Supply                 | 12 V DC ± 10%  |
| Power Consumption            | Max. 2 W   |
| Ingress Protection level     | IP66   |
| Impact Protection            | IK10   |
| Dimension                    | Φ 139.9 × 99.9mm (Φ 5.51" × 3.93")   |
| Weight                       | 800g (1.76 lbs)  |

# DS-2CC52A1P(N)-AVPIR2

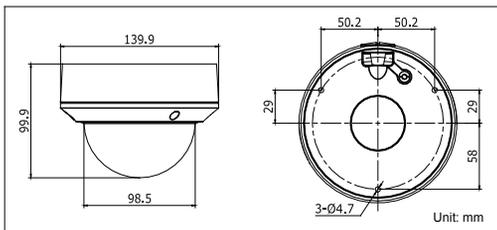
## 700TVL Outdoor Vandal Proof IR Dome Camera



### Key features

- 1/3" SONY CCD
- True Day/Night
- 2.8 – 12mm Vari-focal Lens
- OSD Menu, DNR, Smart IR, Digital WDR, Eclipse
- 30m IR Distance
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1273ZJ-135  
Wall mount



DS-1271ZJ-135  
Pendant Mount

### Available models

PAL: DS-2CC52A1P-AVPIR2  
NTSC: DS-2CC52A1N-AVPIR2

| DS-2CC52A1P(N)-AVPIR2        |  |
|------------------------------|--|
| <b>Camera</b>                |  |
| Image Sensor                 | 1/3" SONY CCD  |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | PAL:976 (H) × 582 (V), NTSC:976 (H) × 494 (V)  |
| Min. Illumination            | 0.001Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.0014Lux @ (F1.4,AGC ON), 0 Lux with IR                    |
| Shutter Speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s  |
| Lens                         | 2.8 - 12 mm @ F1.4   |
|                              | Angle of view: 80° - 27.2°   |
| Lens Mount                   | Φ14  |
| Auto Iris                    | DC drive   |
| Angle Adjustment             | Pan: 0 - 355°, Tilt: 0 - 75°, Rotation: 0 - 355°   |
| Day & Night                  | IR cut filter with auto switch   |
| Horizontal Resolution        | 700 TVL  |
| Synchronization              | Internal/Power synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)<br>Test monitor out [1Vp-p composite output (75 Ω/BNC), device line] |
| S/N Ratio                    | More than 62 dB  |
| <b>Menu</b>                  |  |
| Camera ID                    | On/Off (52 letters, position adjustable)   |
| D/N Mode                     | Auto /Day /Night/ EXT1/ EXT2   |
| White Balance                | ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK  |
| Private Mask                 | On/Off, maximum 8 zones  |
| Motion Detection             | On/Off   |
| Back Light                   | BLC/HLC/Off  |
| Language                     | English/Chinese/ Korean/ Italian/ Russian/ Portuguese/ German/ French                                  |
| Function                     | Smart IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction   |
| <b>General</b>               |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                               |
| Power Supply                 | 24 V AC ± 10%, 12 V DC ± 10%   |
| Power Consumption            | Max. 4 W<br>(Max. 4.5 W with IR cut filter on)   |
| Ingress Protection level     | IP66   |
| IR Range                     | approx 20 to 30 meters   |
| Impact Protection            | IK10   |
| Dimension                    | Φ 139.9 × 99.9mm (Φ 5.51" × 3.93")   |
| Weight                       | 800g (1.76 lbs)  |

# DS-2CC51A1P/51A5P/51A7P(N)-VPIR(H)

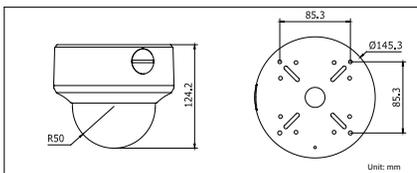
## 700TVL Outdoor Vandal Proof IR Dome Camera



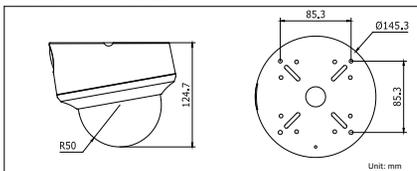
### Key features

- 1/3" SONY CCD
- 700 TVL Horizontal Resolution
- Super Low Illumination
- 2.8–12mm Vari-focal Lens
- True Day/Night
- 75 dB Wide Dynamic Range (DS-2CC51A7P(N)-VPIR)
- OSD Menu, DNR, Smart IR, Eclipse
- Vandal Proof, IP66 Rating

### Dimensions



Dimensions with DS-1240ZJ:



### Accessories



DS-1273ZJ-140 Wall mount  
DS-1240ZJ (Tilted wall-mount)  
DS-1271ZJ-140 Pendant Mount  
DS-1241ZJ (In-ceiling Mount)

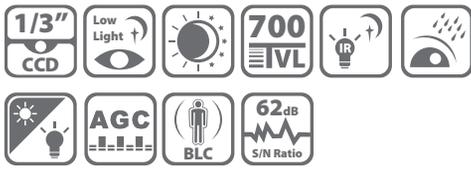
### Available models

PAL: DS-2CC51A1P-VPIR, DS-2CC51A5P-VPIR, DS-2CC51A7P-VPIR,  
DS-2CC51A1P-VPIRH, DS-2CC51A5P-VPIRH, DS-2CC51A7P-VPIRH  
NTSC: DS-2CC51A1N-VPIR, DS-2CC51A5N-VPIR, DS-2CC51A7N-VPIR,  
DS-2CC51A1N-VPIRH, DS-2CC51A5N-VPIRH, DS-2CC51A7N-VPIRH

|                               | DS-2CC51A1P(N)-VPIR   | DS-2CC51A5P(N)-VPIR(H)   | DS-2CC51A7P(N)-VPIR(H)   |
|-------------------------------|---|--|--|
| <b>Camera</b>                 |   |  |  |
| Image Sensor                  | 1/3" SONY CCD   |  |  |
| Signal System                 | PAL/NTSC  |  |  |
| Effective Pixels              | PAL: 976 (H) × 582 (V), NTSC: 976 (H) × 494 (V)   |  |  |
| Min. Illumination             | 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.0014 Lux @ (F1.4, AGC ON), 0 Lux with IR   | 0.001 Lux @ (F1.2, AGC ON), 0.0001 Lux @ (F1.2, AGC ON, sensitivity × 256), 0 Lux with IR<br>0.0014 Lux @ (F1.4, AGC ON), 0.00014 Lux @ (F1.4, AGC ON, sensitivity × 256), 0 Lux with IR             | 0.001 Lux @ (F1.2, AGC ON), 0.0001 Lux @ (F1.2, AGC ON, sensitivity × 256), 0 Lux with IR<br>0.0014 Lux @ (F1.4, AGC ON), 0.00014 Lux @ (F1.4, AGC ON, sensitivity × 256), 0 Lux with IR |
| Shutter speed                 | PAL: 1/50 s to 1/100,000 s, NTSC: 1/60 s to 1/100,000 s   |  |  |
| Lens                          | 2.8 - 12 mm @ F1.4<br>Angle of view: 80° - 27.2°  |  |  |
| Lens Mount                    | Ø14   |  |  |
| Auto Iris                     | DC drive  |  |  |
| Angle Adjustment              | Pan: 0 - 355°, Tilt: 0 - 80°, Rotation: ± 90°   |  |  |
| Day & Night                   | IR cut filter with auto switch  |  |  |
| Horizontal Resolution         | 700 TVL   |  |  |
| Synchronization               | Internal/Power synchronization  |  |  |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC);<br>Test monitor out [1Vp-p composite output (75 Ω/BNC), device line]                                 |  |  |
| S/N Ratio                     | More than 62 dB   |  |  |
| <b>Menu</b>                   |   |  |  |
| Camera ID                     | On/Off (52 letters, position adjustable)  | On/Off (16 letters, position adjustable)   | On/Off (16 letters, position adjustable)   |
| Auto Gain                     | -   | Low/Middle/High/Off  | Low/Middle/High/Off  |
| D/N Mode                      | Auto /Day/Night/EXT1/EXT2   | Auto/Day/Night   | Auto/Day/Night   |
| White Balance                 | ATW/PUSH/USER1/USER2/ ANTI CR/MANUAL/PUSH LOCK  | Auto trace WB1/Auto trace WB2/ Manual/Auto Control   | Auto trace WB1/Auto trace WB2/ Manual/Auto Control   |
| Privacy Masking               | On/Off, maximum 8 zones   | On/Off, maximum 12 zones   | On/Off, maximum 12 zones   |
| Motion Detection              | On/Off  |  |  |
| BLC                           | Area/Intensity/Off  |  |  |
| WDR                           | -   | -  | Value/Contrast/Return  |
| Anti-flicker                  | -   | -  | On/Off   |
| Language                      | Chinese/ English/ Japanese/ German/ French/ Russian/ Portuguese/ Spanish  | English/Chinese  | English/Chinese  |
| Video                         | SMART IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction                                    | SMART IR, Digital Wide Dynamic Range, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction | SMART IR, Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction                 |
| Scene                         | -   | Indoor Standard , Indoor Backlight , Outdoor, Low illumination , IR Standard , Customize   | Indoor Standard , Indoor Backlight , Outdoor, Low illumination , Customize, IR Standard  |
| <b>General</b>                |   |  |  |
| Working Temperature/ Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)<br>-H: -40 °C - 60 °C (-40 °F - 140 °F) with heater and fan on |  |  |
| Power Supply                  | 24 V AC ± 10%, 12 V DC ± 10%<br>-H: 24 V AC ± 10%   |  |  |
| Ingress Protection            | IP66  |  |  |
| Heater                        | -H: support   |  |  |
| IR Range                      | -IR: approx 20 to 30 meters   |  |  |
| Power Consumption             | Max. 13 W<br>-H: Max. 25W   |  |  |
| Impact Protection             | IEC60068-2-75 test, Eh, 50J; EN50102, up to IK10.   |  |  |
| Dimensions                    | Ø 145.3 × 124.2mm (Ø 5.72" × 4.89")   |  |  |
| Weight                        | 2000g (4.40 lbs)  |  |  |

# DS-2CC11A2P(N)-IRA

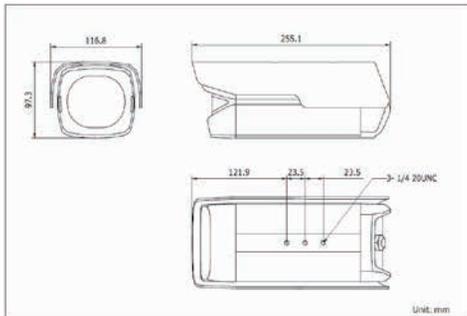
## 700TVL IR Bullet Camera



### Key features

- 1/3" SONY CCD
- 700 TVL Horizontal Resolution
- Electronic Day/Night
- Up to 110m IR Distance
- Super Low Illumination
- IP66 Rating

### Dimensions



### Accessories



DS-1292ZJ  
Wall mount

DS-1293ZJ  
Wall mount

### Available models

PAL: DS-2CC11A2P-IRA  
NTSC: DS-2CC11A2N-IRA

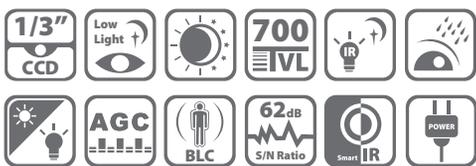
| DS-2CC11A2P(N)-IRA           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" SONY CCD   |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | PAL:976 (H) × 582 (V), NTSC:976 (H) × 494 (V)                                       |
| Min. Illumination            | 0.001Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.0014Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter Speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                           |
| Lens                         | 25 mm @ F1.4 (16 mm optional)   |
|                              | Angle of view: 13.5° (25 mm)  |
| Lens Mount                   | CS mount  |
| Day & Night                  | Electronic  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal/Power synchronization  |
| Video Output                 | 1Vp-p composite output (75Ω /BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| General                      |   |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing)           |
| Power Supply                 | AC24V±10%   |
| Power Consumption            | Max. 15 W   |
| Ingress Protection level     | IP66  |
| IR Range                     | Approx 100 to 110 meters  |
| Dimension                    | 116.8 × 97.3 × 255.1mm (4.60" × 3.83" × 10.04")                                     |
| Weight                       | 2500g (5.50 lbs)  |

# DS-2CC12A2P(N)-IT3

## 700TVL Outdoor EXIR Bullet Camera



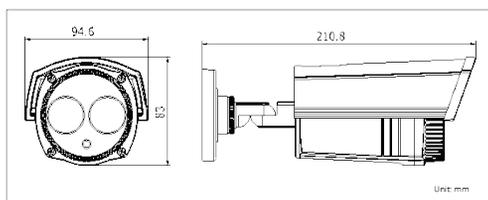
**EXIR**



### Key features

- 1/3" CCD
- 700 TVL Horizontal Resolution
- Electronic Day/Night
- 0.001 lux /F1.2, 0.002 lux /F1.8
- Smart IR
- Superior video image output and ultra low light illumination
- 40m IR Distance

### Dimensions



### Available models

PAL: DS-2CC12A2P-IT3  
 NTSC : DS-2CC12A2N-IT3

| DS-2CC12A2P(N)-IT3           |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" CCD   |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)                                      |
| Min. Illumination            | 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.002 Lux @ (F1.8, AGC ON), 0 Lux with IR |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                              |
| Lens                         | 3.6 mm @ F1.8 (2.8mm, 6 mm, 8 mm, 12mm, 16 mm optional)<br>Angle of view: 70° (3.6 mm) |
| Lens Mount                   | M12  |
| Day & Night                  | Electronic   |
| Horizontal Resolution        | 700 TVL  |
| Synchronization              | Internal synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)  |
| S/N Ratio                    | More than 62 dB  |
| BLC                          | On   |
| General                      |  |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing)              |
| Ingress Protection           | IP66   |
| IR Range                     | 40 meters  |
| Power Supply                 | 12 VDC   |
| Power Consumption            | Max.5 W  |
| Dimensions                   | 94.6×83×210.8mm(3.72" ×3.27" ×8.30")   |
| Weight                       | 700g (1.54 lbs)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

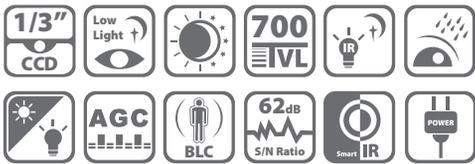
NETWORK STORAGE

# DS-2CC12A2P(N)-IT5

## 700TVL Outdoor EXIR Bullet Camera



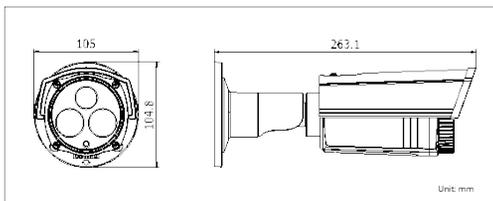
**EXIR**



### Key features

- 1/3" CCD
- 700 TVL Horizontal Resolution
- Electronic Day/Night
- 0.001 lux /F1.2, 0.002 lux /F1.8
- Smart IR
- Superior video image output and ultra low light illumination
- 80m IR Distance

### Dimensions



### Available models

PAL: DS-2CC12A2P-IT5  
 NTSC: DS-2CC12A2N-IT5

| DS-2CC12A2P(N)-IT5           |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" CCD   |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)                                      |
| Min. Illumination            | 0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.002 Lux @ (F1.8, AGC ON), 0 Lux with IR |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                              |
| Lens                         | 3.6 mm @ F1.8 (6 mm, 8 mm, 12mm, 16 mm optional)<br>Angle of view: 70° (3.6 mm)        |
| Lens Mount                   | M12  |
| Day & Night                  | Electronic   |
| Horizontal Resolution        | 700 TVL  |
| Synchronization              | Internal synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)  |
| S/N Ratio                    | More than 62 dB  |
| BLC                          | On   |
| General                      |  |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing)              |
| Ingress Protection           | IP66   |
| IR Range                     | 80 meters  |
| Power Supply                 | 12 VDC   |
| Power Consumption            | Max.5 W  |
| Dimensions                   | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")  |
| Weight                       | 800g (1.76 lbs)  |

# DS-2CC12A1P-(A)Vfir3(H)

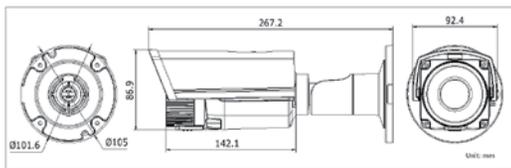
## 700TVL Vari-focal IR Bullet Camera



### Key features

- 1/3" SONY CCD
- 700TVL Horizontal Resolution
- True Day/Night
- 2.8–12mm Vari-focal Lens
- OSD Menu, DNR, Smart IR, Digital WDR, Eclipse
- 40m IR Distance
- IP66 Rating

### Dimensions



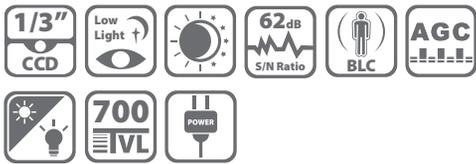
### Available models

PAL: DS-2CC12A1P-Vfir3, DS-2CC12A1P-AVfir3  
 NTSC: DS-2CC12A1N-Vfir3, DS-2CC12A1N-AVfir3

|                               | DS-2CC12A1P(N)-Vfir3  | DS-2CC12A1P(N)-AVfir3                          |
|-------------------------------|---|--|
| <b>Camera</b>                 |   |  |
| Image Sensor                  | 1/3" SONY CCD   |  |
| Signal System                 | PAL/NTSC  |  |
| Effective Pixels              | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)   |  |
| Min. Illumination             | 0.001Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.0014Lux @ (F1.4,AGC ON), 0 Lux with IR   |  |
| Shutter Speed                 | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s   |  |
| Lens                          | 2.8 - 12 mm @ F1.4  |  |
|                               | Angle of view: 80° - 27.2°  |  |
| Lens Mount                    | Φ14   |  |
| Auto Iris                     | -   | DC drive                                       |
| Angle Adjustment              | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°  |  |
| Day & Night                   | Electronic  | IR cut filter with auto switch                 |
| Horizontal Resolution         | 700 TVL   |  |
| Synchronization               | Internal synchronization  | Internal/Power synchronization                 |
| Video Output                  | 1Vp-p composite output (75 Ω/BNC);<br>Test monitor out [1Vp-p composite output (75 Ω/BNC), device line]                         |  |
| S/N Ratio                     | More than 62 dB   |  |
| <b>Menu</b>                   |   |  |
| Camera ID                     | On/Off (52 letters, position adjustable)  |  |
| D/N Mode                      | Auto/Day/Night/ EXT1/ EXT2  |  |
| White Balance                 | ATW/PUSH/USER1/USER2/ANTI CR/MANUAL/PUSH LOCK   |  |
| Privacy Masking               | On/Off, maximum 8 zones   |  |
| Motion Detection              | On/Off  |  |
| Back Light                    | BLC/HLC/Off   |  |
| Language                      | English/Chinese/ Korean/ Italian/ Russian/ Portuguese/ German/ French   |  |
| Function                      | Smart IR, ATR, HLC, DNR, Sharpness, Brightness, Contrast, Hue, Gain, Mirror, Defect Pixel Correction                            |  |
| <b>General</b>                |   |  |
| Working Temperature/ Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)<br>-H: -40 °C - 60 °C (-40 °F - 140 °F) with heater on |  |
| Power Supply                  | 12 V DC ± 10%   | 24 V AC ± 10%, 12 V DC ± 10%                   |
| Power Consumption             | Max. 4.5 W  | Max. 7.5 W<br>(Max. 8 W with IR cut filter on) |
| Ingress Protection level      | IP66  |  |
| IR Range                      | 40 meters   |  |
| Dimension                     | 105 × 86.9 × 267.2mm(Φ 4.13" x 3.42" x 10.52")  |  |
| Weight                        | 1350g (2.97 lbs)  |  |

# DS-2CC51A2P(N)-DG1

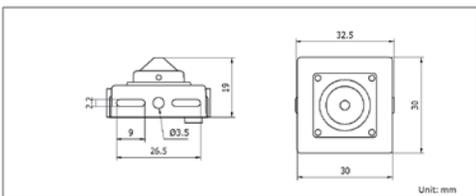
## 700TVL Mini Camera



### Key features

- 1/3" SONY CCD
- 700TVL Horizontal Resolution
- Electronic Day/Night
- Super low illumination
- Compact Design

### Dimensions



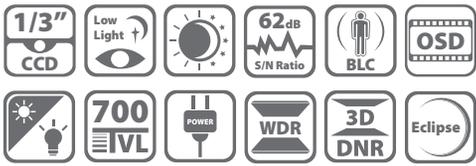
### Available models

PAL: DS-2CC51A2P-DG1  
 NTSC: DS-2CC51A2N-DG1

| DS-2CC51A2P(N)-DG1           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" SONY CCD   |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)                         |
| Min. Illumination            | 0.002 Lux @ (F1.4, AGC ON)<br>0.006 Lux @ (F2.5, AGC ON)                  |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.7 mm @ F2.5 (2.8 mm optional)<br>Angle of view: 70° (3.7 mm)            |
| Lens Mount                   | M12   |
| Day & Night                  | Electronic  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC ± 10%   |
| Power Consumption            | Max. 1 W  |
| Dimensions                   | 30×30×19mm  |
| Weight                       | 200g (0.44 lb)  |

# DS-2CC51A7P(N)-DG1

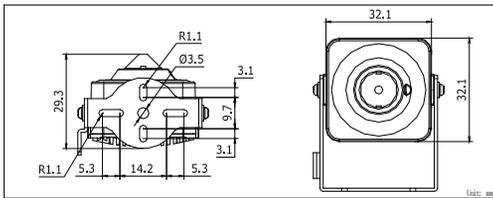
## 700TVL WDR Mini Camera



### Key features

- 1/3" SONY CCD
- 700TVL Horizontal Resolution
- Electronic Day/Night
- 3D DNR, Eclipse, EIS
- OSD Menu
- 75dB Wide Dynamic Range
- Compact Design

### Dimensions



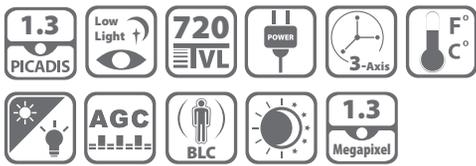
### Available models

PAL: DS-2CC51A7P-DG1  
 NTSC: DS-2CC51A7N-DG1

| DS-2CC51A7P(N)-DG1           |   |
|------------------------------|---|
| <b>Camera</b>                |   |
| Image Sensor                 | 1/3" SONY Super HAD CCD II  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | PAL: 976 (H) × 582 (V)<br>NTSC: 976 (H) × 494 (V)   |
| Min. Illumination            | 0.002 Lux @ (F1.4, AGC ON),<br>0.00002 Lux @ (F1.4, AGC ON, sensitivity × 512)<br>0.0006 Lux @ (F2.5, AGC ON),<br>0.00006 Lux @ (F2.5, AGC ON, sensitivity × 512) |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s   |
| Lens                         | 3.7 mm @ F2.5 (2.8 mm optional)<br>Angle of view: 70° (3.7 mm)  |
| Lens Mount                   | M12   |
| Day & Night                  | Electronic  |
| Horizontal Resolution        | 700 TVL   |
| Wide Dynamic Range           | 75dB  |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| <b>Menu</b>                  |   |
| Camera ID                    | On/Off (16 letters, position adjustable)  |
| Auto Gain                    | Low/Middle/High/Off   |
| D/N Mode                     | Auto/Day/Night  |
| White Balance                | Auto trace WB1/Auto trace WB2/Manual/Auto Control   |
| Private Mask                 | On/Off, maximum 12 zones  |
| Motion Detection             | On/Off  |
| BLC                          | Area/Value/Off  |
| WDR                          | Value/ Contrast / WD exposure compensation/ Return  |
| Anti-Flicker                 | On/Off  |
| Language                     | English/Chinese   |
| Function                     | Eclipse, Digital Noise Reduction, Sharpness, Brightness, Saturation, Resolution, Electronic image stabilization, Digital Zoom, Mirror, Defect Pixel Correction    |
| Scene                        | Indoor Backlight , Outdoor Backlight  |
| <b>General</b>               |   |
| Working Temperature/Humidity | -30 °C - 60 °C (-22 °F - 140 °F)<br>Humidity 90% or less (non-condensing)   |
| Power Supply                 | 12 V DC ± 10%   |
| Coaxial video control        | support (with a compatible controller)  |
| Power Consumption            | Max. 2 W  |
| Dimensions                   | 32.1×32.1×29.3 mm (1.26" × 1.26" × 1.15")   |
| Weight                       | 300 g (0.66 lb)   |

# DS-2CE55C2P(N)

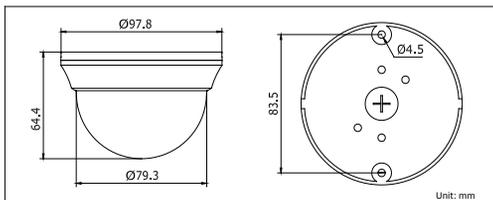
## 720TVL PICADIS Indoor Dome Camera



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- 720 TVL Horizontal Resolution
- Electronic Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- High dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range

### Dimensions



### Available models

PAL: DS-2CE55C2P  
NTSC : DS-2CE55C2N

| DS-2CE55C2P(N)               |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) x 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON)   |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)<br>Angle of view: 71.4° (3.6 mm)             |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 355°, Tilt: 0 - 90°, Rotation: 0 - 355°                          |
| Day & Night                  | Electronic  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1W   |
| Dimensions                   | Φ 97.8 x 64.4mm (Φ 3.85" x 2.54")   |
| Weight                       | 300g (0.66 lb)  |

# DS-2CE15C2P(N)-IR

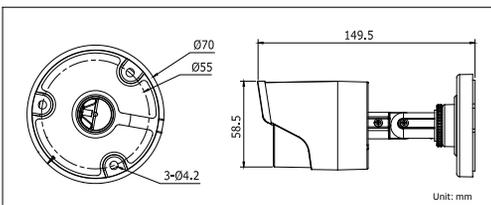
## 720TVL PICADIS Outdoor IR Dome Camera



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CE15C2P-IR, DS-2CE15C2P-IR (Grey)  
 NTSC: DS-2CE15C2N-IR, DS-2CE15C2N-IR (Grey)

| DS-2CE15C2P(N)-IR            |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) × 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 71.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.5 W<br>(Max. 4.5 W with IR cut filter on)                          |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 70×149.5mm (Φ 2.76" ×5.89")   |
| Weight                       | 360g (0.79 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE55C2P(N)-IRP

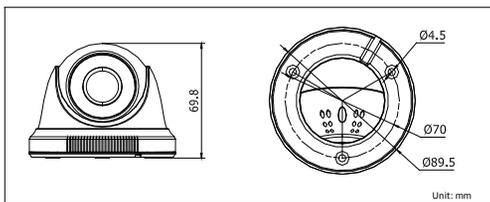
## 720TVL PICADIS Indoor IR Turret Camera



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range

### Dimensions



### Accessories



DS-1272Z-I-110-TRS  
Wall mount

### Available models

PAL: DS-2CE55C2P-IRP  
NTSC : DS-2CE55C2N-IRP

| DS-2CE55C2P(N)-IRP           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) × 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6mm (2.8mm, 6mm optional)   |
|                              | Angle of view: 71.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°; Tilt: 0 - 75°; Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.5 W<br>(Max. 4.5 W with IR cut filter on)                          |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 89.5 × 69.8 mm(Φ 3.52" ×2.75")  |
| Weight                       | 200g (0.44 lb)  |

# DS-2CE55C2P(N)-IR

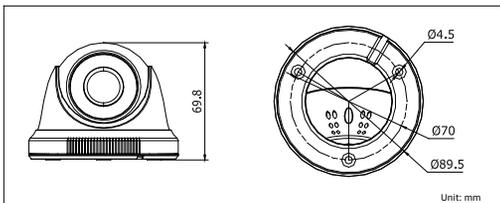
## 720TVL PICADIS Outdoor IR Turret Camera



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Wall mount

### Available models

PAL: DS-2CE55C2P-IR  
NTSC: DS-2CE55C2N-IR

| DS-2CE55C2P(N)-IR            |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) × 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 71.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.5W<br>(Max. 4.5W with IR cut filter on)                            |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 89.5 × 69.8 mm(Φ 3.52" ×2.75")  |
| Weight                       | 260g (0.57 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

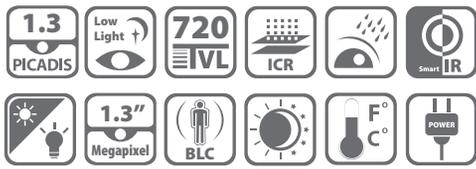
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE55C2P(N)-IRM

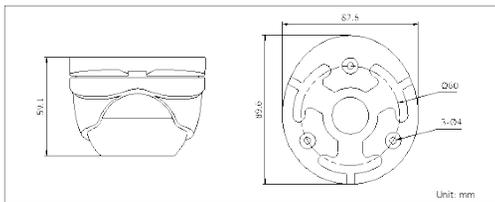
## 720TVL PICADIS Outdoor IR Turret Camera



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272Z-I110-TRS  
Wall mount

### Available models

PAL: DS-2CE55C2P-IRM  
NTSC : DS-2CE55C2N-IRM

| DS-2CE55C2P(N)-IRM           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) × 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 71.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.5W<br>(Max. 4.5W with IR cut filter on)                            |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | 89.6 × 59.1mm (3.53" × 2.33")   |
| Weight                       | 400g (0.88 lb)  |

# DS-2CE16C2P(N)-IT1/IT3

## 720TVL PICADIS EXIR Bullet Camera



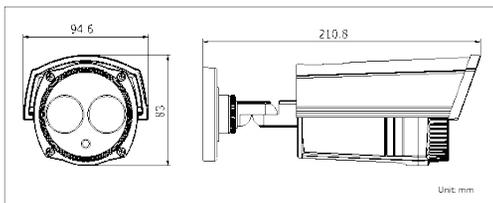
**EXIR**



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- True Day/Night
- 720 TVL Horizontal Resolution
- 20/40m IR Distance
- Smart IR
- IP66 Weatherproof
- Wide Operating Temperature Range

### Dimensions



### Available models

PAL: DS-2CE16C2P-IT1, DS-2CE16C2P-IT3  
 NTSC: DS-2CE16C2N-IT1, DS-2CE16C2N-IT3

|                              | DS-2CE16C2P(N)-IT1  | DS-2CE16C2P(N)-IT3                       |
|------------------------------|---|--|
| <b>Camera</b>                |   |  |
| Image Sensor                 | 1/3" PICADIS  |  |
| Signal System                | PAL/NTSC  |  |
| Effective Pixels             | 1280 (H) x 960 (V)  |  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |  |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |  |
| Lens                         | 3.6mm (2.8mm,6mm,8mm optional)  | 3.6mm (2.8mm,6mm,8mm,12mm,16mm optional) |
| Lens Mount                   | M12   |  |
| Day & Night                  | IR cut filter with auto switch  |  |
| Horizontal Resolution        | 720 TVL   |  |
| Synchronization              | Internal synchronization  |  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |  |
| S/N Ratio                    | More than 62 dB   |  |
| <b>General</b>               |   |  |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |  |
| Power Supply                 | 12 V DC   |  |
| Power Consumption            | Max. 5 W  |  |
| Ingress Protection           | IP66  |  |
| IR Range                     | 20 meters   | 40 meters                                |
| Dimensions                   | 94.6×83×210.8mm(3.72" ×3.27" ×8.30")                                      |  |
| Weight                       | 700g (1.54 lbs)   |  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

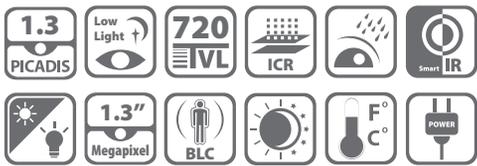
NETWORK STORAGE

# DS-2CE16C2P(N)-IT5

## 720TVL PICADIS EXIR Bullet Camera



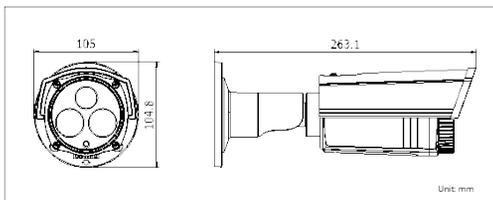
**EXIR**



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- True Day/Night
- 720 TVL Horizontal Resolution
- 80m IR Distance
- Smart IR
- IP66 Weatherproof
- Wide Operating Temperature Range

### Dimensions



### Accessories



DS-1215ZJ  
(Pole Mount)

### Available models

PAL: DS-2CE16C2P-IT5  
NTSC: DS-2CE16C2N-IT5

| DS-2CE16C2P(N)-IT5           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) x 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6mm (6mm,8mm,12mm,16mm optional)  |
| Lens Mount                   | M12   |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 80 meters   |
| Dimensions                   | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")                                   |
| Weight                       | 800g (1.76 lbs)   |

# DS-2CE56C2P(N)-IT1

## 720TVL PICADIS EXIR Turret Camera



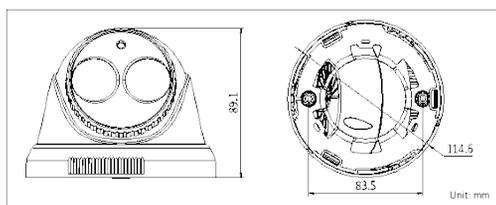
**EXIR**



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- True Day/Night
- 720 TVL Horizontal Resolution
- 20m IR Distance
- Smart IR
- IP66 Weatherproof
- Wide Operating Temperature Range

### Dimensions



### Accessories



DS-1272ZJ-110  
Wall mount

### Available models

PAL: DS-2CE56C2P-IT1  
NTSC: DS-2CE56C2N-IT1

| DS-2CE56C2P(N)-IT1           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) x 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6mm (2.8mm,6mm,8mm optional)<br>Angle of view: 71.4° (3.6 mm)           |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 114.6× 89.1mm(Φ 4.5"×3.5")  |
| Weight                       | 300g (0.66 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

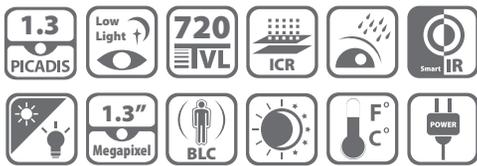
NETWORK STORAGE

# DS-2CE56C2P(N)-IT3

## 720TVL PICADIS EXIR Turret Camera



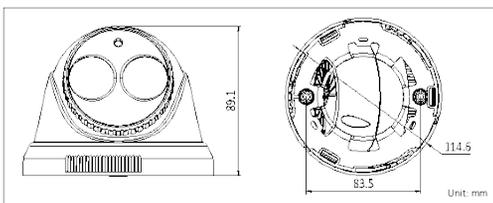
**EXIR**



### Key features

- 1/3" PICADIS
- 1.3MP Sensor: 1280 (H) x 960 (V) Effective Pixels
- True Day/Night
- 720 TVL Horizontal Resolution
- 40m IR Distance
- Smart IR
- IP66 Weatherproof
- Wide Operating Temperature Range

### Dimensions



### Accessories



DS-1272ZJ-110  
Wall mount

### Available models

PAL: DS-2CE56C2P-IT3  
NTSC: DS-2CE56C2N-IT3

| DS-2CE56C2P(N)-IT3           |   |
|------------------------------|---|
| <b>Camera</b>                |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280 (H) × 960 (V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                   |
| Lens                         | 3.6mm (2.8mm,6mm,8mm,12mm,16mm optional)<br>Angle of view: 71.4° (3.6 mm) |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| <b>General</b>               |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 40 meters   |
| Dimensions                   | Φ 114.6× 89.1mm(Φ 4.5"×3.5")  |
| Weight                       | 300g (0.66 lb)  |

# DS-2CE15C2P(N)-VFIR3

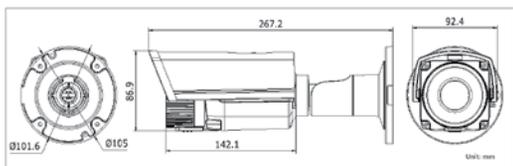
## 720TVL PICADIS Vari-focal IR Bullet Camera



### Key features

- 1/3" PICADIS
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CE15C2P-VFIR3  
 NTSC: DS-2CE15C2N-VFIR3

| DS-2CE15C2P(N)-VFIR3         |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" PICADIS   |
| Signal System                | PAL/NTSC   |
| Effective Pixels             | 1280 (H) × 960 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.3 Lux @ (F2.3, AGC ON), 0 Lux with IR |
| Shutter Speed                | PAL: 1/25 s to 1/100,000 s<br>NTSC: 1/30 s to 1/100,000 s                          |
| Lens                         | 2.8 - 12 mm @ F1.4   |
|                              | Angle of view: 80° - 27.2°   |
| Lens Mount                   | Φ14  |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                                   |
| Day & Night                  | IR cut filter with auto switch   |
| Horizontal Resolution        | 720 TVL  |
| Synchronization              | Internal synchronization   |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC);   |
| S/N Ratio                    | More than 62 dB  |
| General                      |  |
| Working Temperature/Humidity | -40 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)           |
| Power Supply                 | 12 VDC   |
| Power Consumption            | Max. 4 W<br>(Max. 5W with IR cut filter on)  |
| Ingress Protection level     | IP66   |
| IR Range                     | 40 meters  |
| Dimension                    | 105 × 86.9 × 267.2mm(Φ 4.13" x 3.42" x 10.52")                                     |
| Weight                       | 1350g (2.97 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

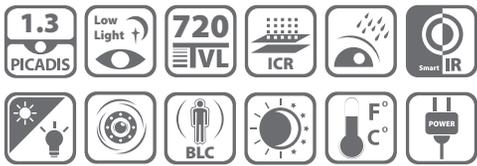
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE55C2P(N)-VFIR3

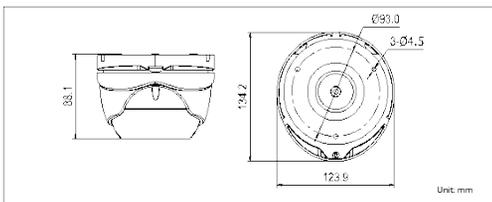
## 720TVL PICADIS Vari-focal IR Turret Camera



### Key features

- 1/3" PICADIS
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CE55C2P-VFIR3  
 NTSC: DS-2CE55C2N-VFIR3

| DS-2CE55C2P(N)- VFIR3        |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" PICADIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1280(H)×960(V)  |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON),0 Lux with IR |
| Shutter speed                | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                         |
| Lens                         | 2.8-12mm @ F1.4   |
|                              | Angle of view: 80° - 27.2°  |
| Lens Mount                   | Ø14   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 720 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)       |
| Power Supply                 | 12 V DC ± 10%   |
| Power Consumption            | Max. 4 W<br>(Max. 5 W with IR cut filter on)                                    |
| Ingress Protection           | IP66  |
| IR Range                     | Approx. 30 to 40 meters   |
| Dimensions                   | 134.2×123.9×88.1mm(5.28"×4.88"×3.47")   |
| Weight                       | 800g (1.76l lbs)  |

# DS-2CE16C2P(N)-VFIR3

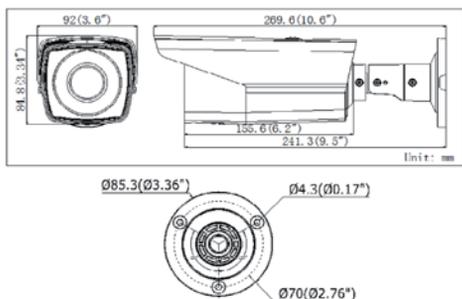
## 720TVL PICADIS Vari-focal IR Bullet Camera



### Key features

- 1/3" PICADIS
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



### Available models

- PAL: DS-2CE16C2P-VFIR3
- NTSC: DS-2CE16C2N-VFIR3

| DS-2CE16C2P(N)-VFIR3           |  |
|--------------------------------|--|
| Camera                         |  |
| Image sensor                   | 1/3" PICADIS   |
| Signal system                  | PAL / NTSC   |
| Effective pixels               | 1280 (H) × 960 (V)   |
| Min. illumination              | 0.1 Lux @ (F1.2,AGC ON) ,0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON),0 Lux with IR |
| Shutter speed                  | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                          |
| Lens                           | 2.8-12mm @ F1.4  |
|                                | Angle of view: 80° - 27.2°   |
| Lens mount                     | Ø14  |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                                 |
| Day & night                    | IR cut filter with auto switch   |
| Horizontal resolution          | 720 TVL  |
| Synchronization                | Internal synchronization   |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)  |
| S / N ratio                    | More than 62 dB  |
| General                        |  |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)        |
| Power supply                   | 12 V DC ± 10%  |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)  |
| Ingress protection level       | IP66   |
| IR range                       | Approx. 30 to 40 meters  |
| Dimensions                     | 92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")                                       |
| Weight                         | 1010g (2.23 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

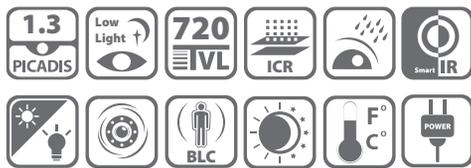
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE56C2P(N)-VFIR3

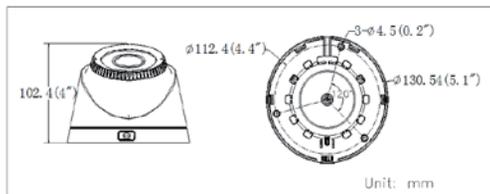
## 720TVL PICADIS Vari-focal IR Turret Camera



### Key features

- 1/3" PICADIS
- 720 TVL Horizontal Resolution
- True Day/Night
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Smart IR, high dynamic range
- Superior video image output and ultra low light illumination
- Wide operating temperature range
- IP66 Weatherproof

### Dimensions



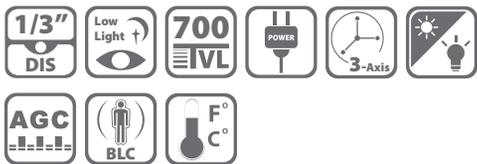
| DS-2CE56C2P(N)-VFIR3           |   |
|--------------------------------|---|
| Camera                         |   |
| Image sensor                   | 1/3" PICADIS  |
| Signal system                  | PAL / NTSC  |
| Effective pixels               | 1280(H)×960(V)  |
| Min. illumination              | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter speed                  | PAL: 1/25 s to 1/25,000 s<br>NTSC: 1/30 s to 1/30,000 s                           |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 80° - 27.2°  |
| Lens mount                     | Φ14   |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                  |
| Day & night                    | IR cut filter with auto switch  |
| Horizontal resolution          | 700 TVL   |
| Synchronization                | Internal synchronization  |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)   |
| S / N ratio                    | More than 52 dB   |
| BLC                            | On  |
| General                        |   |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)         |
| Power supply                   | 12 V DC ± 10%   |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)   |
| Ingress protection level       | IP66  |
| IR range                       | Approx. 30 to 40 meters   |
| Dimensions                     | Φ 130.54 × 102.4 mm (Φ 5.1" × 4")   |
| Weight                         | 565g (1.24 lbs)   |

### Available models

PAL: DS-2CE56C2P-VFIR3  
NTSC: DS-2CE56C2N-VFIR3

# DS-2CE55A2P(N)

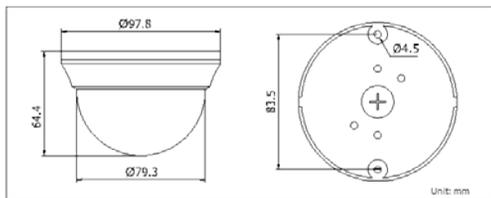
## 700TVL DIS Dome Camera



### Key features

- 700 TVL Horizontal Resolution
- Electronic Day/Night
- 2.8/3.6/6mm Fixed Lens , 0.1 lux /F1.2
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE55A2P  
NTSC :DS-2CE55A2N

| DS-2CE55A2P(N)               |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON)   |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 355°; Tilt: 0 - 90°; Rotation: 0 - 355°                          |
| Day & Night                  | Electronic  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1W   |
| Dimensions                   | Φ 97.8 x 64.4 mm (Φ 3.85" x 2.54")  |
| Weight                       | 300 g (0.66 lb)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

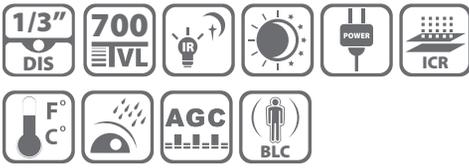
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE15A2P(N)-IR

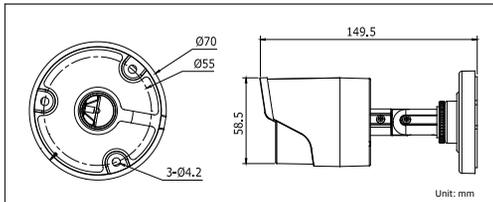
## 700TVL DIS IR Bullet Camera



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range: -40°C to 60°C(-40°F to +140°F)

### Dimensions



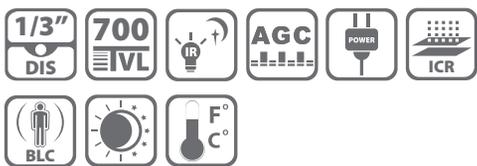
### Available models

PAL: DS-2CE15A2P-IR  
 NTSC: DS-2CE15A2N-IR

| DS-2CE15A2P(N)-IR            |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.8W(Max. 4W with IR cut filter on)                                  |
| Dimensions                   | Φ70×149.5 mm (Φ 2.76" ×5.89")   |
| Weight                       | 360 g (0.79 lb)   |

# DS-2CE55A2P(N)-IRP

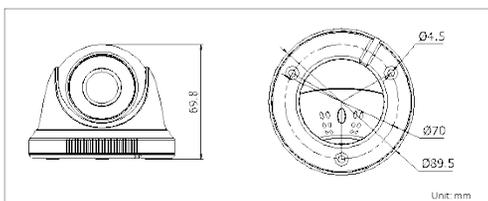
## 700TVL DIS Indoor IR Turret Camera



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Wall mount

### Available models

PAL:DS-2CE55A2P-IRP  
NTSC :DS-2CE55A2N-IRP

| DS-2CE55A2P(N)-IRP           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°; Tilt: 0 - 75°; Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.8W<br>(Max. 4W with IR cut filter on)                              |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 89.5 × 69.8 mm(Φ 3.52" × 2.75")   |
| Weight                       | 200g (0.44 lb)  |

# DS-2CE55A2P(N)-IR

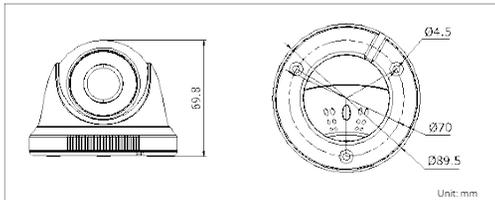
## 700TVL DIS Outdoor IR Turret Camera



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Wall mount

### Available models

PAL:DS-2CE55A2P-IR  
NTSC :DS-2CE55A2N-IR

| DS-2CE55A2P(N)-IR            |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 355°; Tilt: 0 - 90°; Rotation: 0 - 355°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.8W(Max. 4W with IR cut filter on)                                  |
| Dimensions                   | Φ 89.5 × 69.8 mm(Φ 3.52" × 2.75")   |
| Weight                       | 260g (0.57 lb)  |

# DS-2CE55A2P(N)-IRM

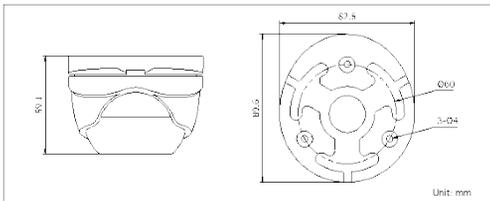
## 700TVL DIS Outdoor IR Dome Camera



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Wall mount

### Available models

PAL:DS-2CE55A2P-IRM  
NTSC :DS-2CE55A2N-IRM

| DS-2CE55A2P(N)-IRM           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 1.8W(Max. 4W with IR cut filter on)                                  |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | 89.6 × 59.1 mm (3.53" × 2.33")  |
| Weight                       | 400g (0.88 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE16A2P(N)-IT1

## 700TVL DIS EXIR Bullet Camera



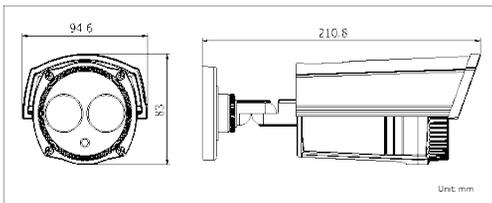
**EXIR**



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6/8 mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE16A2P-IT1  
NTSC: DS-2CE16A2N-IT1

| DS-2CE16A2P(N)-IT1           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6mm (2.8mm,6mm,8mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | 94.6×83×210.8mm(3.72"×3.27"×8.30")  |
| Weight                       | 700g (1.54 lbs)   |

# DS-2CE16A2P(N)-IT3

## 700TVL DIS EXIR Bullet Camera



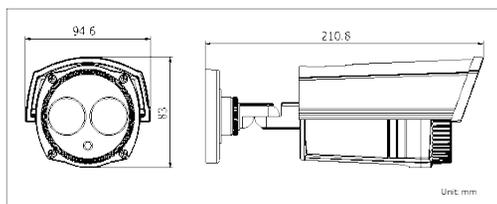
**EXIR**



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6/8/12/16mm Fixed Lens, 0.1 lux /F1.2
- 40m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE16A2P-IT3  
NTSC: DS-2CE16A2N-IT3

| DS-2CE16A2P(N)-IT3           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6mm (2.8mm,6mm,8mm,12mm,16mm optional)                                  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 40 meters   |
| Dimensions                   | 94.6×83×210.8mm(3.72"×3.27"×8.30")  |
| Weight                       | 700g (1.54 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE16A2P(N)-IT5

## 700TVL DIS EXIR Bullet Camera



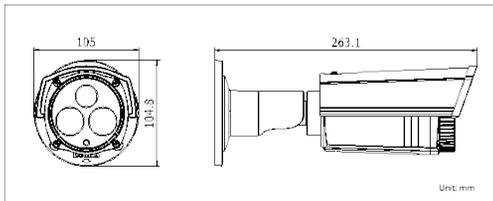
**EXIR**



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 3.6/6/8/12/16mm Fixed Lens, 0.1 lux /F1.2
- 80m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE16A2P-IT5  
NTSC: DS-2CE16A2N-IT5

| DS-2CE16A2P(N)-IT5           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6mm (6mm,8mm,12mm,16mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 80 meters   |
| Dimensions                   | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")                                   |
| Weight                       | 800g (1.76 lbs)   |

# DS-2CE56A2P(N)-IT1

## 700TVL DIS EXIR Turret Camera



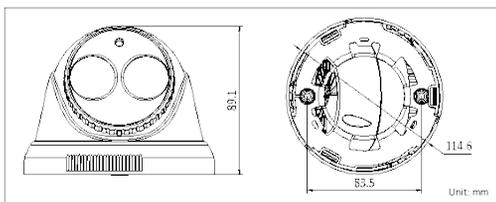
**EXIR**



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6/8 mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE56A2P-IT1  
NTSC: DS-2CE56A2N-IT1

| DS-2CE56A2P(N)-IT1           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm (2.8mm,6mm,8mm optional)   |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 114.6× 89.1mm(Φ 4.5" × 3.5")  |
| Weight                       | 300g (0.66 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE56A2P(N)-IT3

## 700TVL DIS EXIR Turret Camera



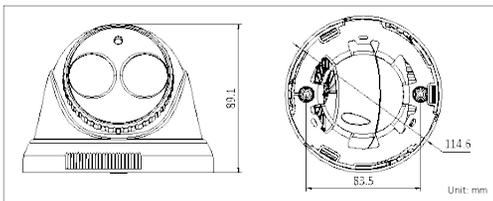
**EXIR**



### Key features

- 700 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6/8/12/16 mm Fixed Lens, 0.1 lux /F1.2
- 40m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE56A2P-IT3  
NTSC: DS-2CE56A2N-IT3

| DS-2CE56A2P(N)-IT3           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6mm (2.8mm,6mm,8mm,12mm,16mm optional)                                  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 62 dB   |
| BLC                          | On  |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 5 W  |
| Ingress Protection           | IP66  |
| IR Range                     | 40 meters   |
| Dimensions                   | Φ 114.6× 89.1mm(Φ 4.5" × 3.5")  |
| Weight                       | 300g (0.66 lb)  |

# DS-2CE15A2P(N)-VFIR3

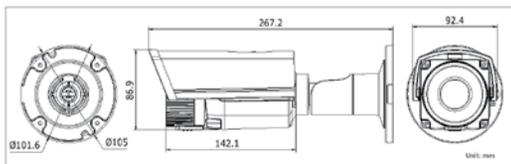
## 700TVL Vari-focal IR Bullet Camera



### Key features

- 1/3" DIS
- True Day/Night
- 700 TVL horizontal resolution
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Wide operating temperature range

### Dimensions



### Available models

PAL: DS-2CE15A2P-VFIR3  
 NTSC: DS-2CE15A2N-VFIR3

| DS-2CE15A2P(N)-VFIR3           |   |
|--------------------------------|---|
| Camera                         |   |
| Image sensor                   | 1 / 3" DIS  |
| Signal system                  | PAL / NTSC  |
| Effective pixels               | 960 (H) × 496 (V)   |
| Min. illumination              | 0.1Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.14Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter speed                  | PAL: 1 / 25 s to 1 / 15,000 s<br>NTSC: 1 / 30 s to 1 / 15,000 s                 |
| Lens                           | 2.8-12mm @ F1.4<br>Angle of view: 80° - 27.2°                                   |
| Lens mount                     | Φ14   |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                                |
| Day & night                    | IR cut filter with auto switch  |
| Horizontal resolution          | 700 TVL   |
| Synchronization                | Internal synchronization  |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)   |
| S / N ratio                    | More than 52 dB   |
| BLC                            | On  |
| General                        |   |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)       |
| Power supply                   | 12 V DC   |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)                                       |
| Ingress protection level       | IP66  |
| IR range                       | 40 meters   |
| Dimensions                     | 105 × 86.9 × 267.2mm(Φ 4.13" x 3.42" x 10.52")                                  |
| Weight                         | 1350g (2.97 lbs)  |

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# DS-2CE55A2P(N)-VFIR3

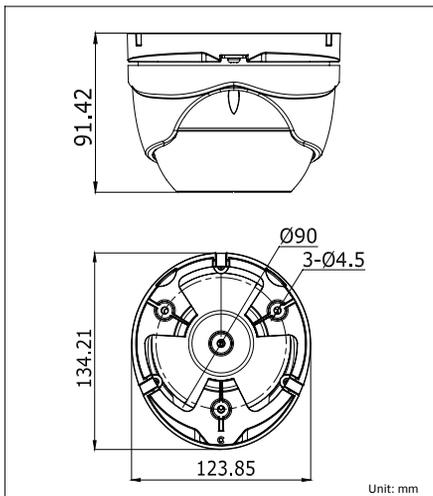
## 700TVL Vari-focal IR Turret Camera



### Key features

- 1/3" DIS
- True Day/Night
- 700 TVL horizontal resolution
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Wide operating temperature range

### Dimensions



| DS-2CE55A2P(N)-VFIR3           |   |
|--------------------------------|---|
| Camera                         |   |
| Image sensor                   | 1/3" DIS  |
| Signal system                  | PAL / NTSC  |
| Effective pixels               | 960 (H) × 496 (V)   |
| Min. illumination              | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter speed                  | PAL: 1 / 25 s to 1 / 15,000 s<br>NTSC: 1 / 30 s to 1 / 15,000 s                   |
| Lens                           | 2.8-12mm @ F1.4<br>Angle of view: 80° - 27.2°                                     |
| Lens mount                     | Φ14   |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                  |
| Day & night                    | IR cut filter with auto switch  |
| Horizontal resolution          | 700 TVL   |
| Synchronization                | Internal synchronization  |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)   |
| S / N ratio                    | More than 52 dB   |
| BLC                            | On  |
| General                        |   |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)         |
| Power supply                   | 12 V DC   |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)   |
| Ingress protection level       | IP66  |
| IR range                       | 40 meters   |
| Dimensions                     | 134.2 × 123.9 × 91.4mm(5.28" × 4.88" × 3.60")                                     |
| Weight                         | 800g (1.76 lbs)   |

### Available models

PAL: DS-2CE55A2P-VFIR3  
NTSC: DS-2CE55A2N-VFIR3

# DS-2CE16A2P(N)-VFIR3

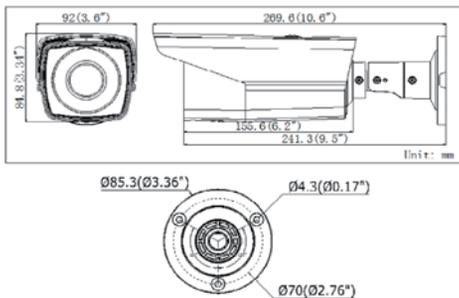
## 700TVL Vari-focal IR Bullet Camera



### Key features

- 1/3" DIS
- True Day/Night
- 700 TVL horizontal resolution
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Wide operating temperature range

### Dimensions



### Available models

PAL: DS-2CE16A2P-VFIR3  
 NTSC: DS-2CE16A2N-VFIR3

| DS-2CE16A2P(N)-VFIR3           |   |
|--------------------------------|---|
| Camera                         |   |
| Image sensor                   | 1 / 3" DIS  |
| Signal system                  | PAL / NTSC  |
| Effective pixels               | 960 (H) × 496 (V)   |
| Min. illumination              | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter speed                  | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                         |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 80° - 27.2°  |
| Lens mount                     | Ø14   |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                                  |
| Day & night                    | IR cut filter with auto switch  |
| Horizontal resolution          | 700 TVL   |
| Synchronization                | Internal synchronization  |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)   |
| S / N ratio                    | More than 62 dB   |
| General                        |   |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)         |
| Power supply                   | 12 V DC   |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)   |
| Ingress protection level       | IP66  |
| IR range                       | Approx. 30 to 40 meters   |
| Dimensions                     | 92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")  |
| Weight                         | 1010g (2.23 lbs)  |

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# DS-2CE56A2P(N)-VFIR3

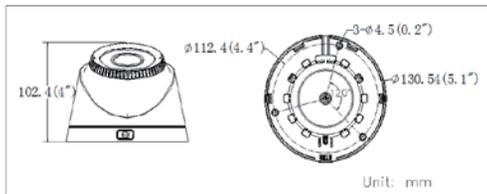
## 700TVL Vari-focal IR Turret Camera



### Key features

- 1/3" DIS
- True Day/Night
- 700 TVL horizontal resolution
- 2.8 ~ 12mm vari-focal lens
- 40m IR distance
- Wide operating temperature range

### Dimensions



| DS-2CE56A2P(N)-VFIR3           |   |
|--------------------------------|---|
| Camera                         |   |
| Image sensor                   | 1/3" DIS  |
| Signal system                  | PAL / NTSC  |
| Effective pixels               | 960 (H) × 496 (V)   |
| Min. illumination              | 0.1 Lux @ (F1.2,AGC ON), 0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON), 0 Lux with IR |
| Shutter speed                  | PAL: 1/50 s to 1/100,000 s<br>NTSC: 1/60 s to 1/100,000 s                         |
| Lens                           | 2.8-12mm @ F1.4<br>Angle of view: 80° - 27.2°                                     |
| Lens mount                     | Φ14   |
| Angle adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                  |
| Day & night                    | IR cut filter with auto switch  |
| Horizontal resolution          | 700 TVL   |
| Synchronization                | Internal synchronization  |
| Video output                   | 1Vp-p composite output (75 Ω / BNC)   |
| S / N ratio                    | More than 52 dB   |
| BLC                            | On  |
| General                        |   |
| Working temperature / humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)         |
| Power supply                   | 12 V DC ± 10%   |
| Power consumption              | Max. 4 W (Max. 5 W with IR cut filter on)   |
| Ingress protection level       | IP66  |
| IR range                       | Approx. 30 to 40 meters   |
| Dimensions                     | Φ 130.54 × 102.4 mm (Φ 5.1" × 4")   |
| Weight                         | 565g (1.24 lbs)   |

### Available models

PAL: DS-2CE56A2P-VFIR3  
NTSC: DS-2CE56A2N-VFIR3

# DS-2CS58A1P(N)-IRS

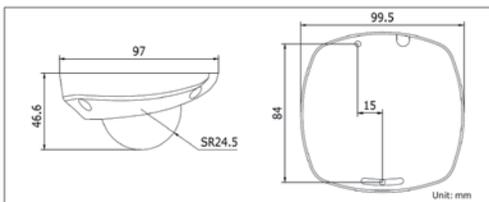
## 700TVL DIS IR Dome Camera



### Key features

- 1/3" DIS
- Min. illumination: 0.1 Lux @ F1.2 (0 Lux with IR)
- True Day/Night
- 3-axis (pan/tilt/rotation) positioning
- Wide operating temperature range
- IP66 rating
- 20m IR Distance
- OSD Menu

### Dimensions



### Available models

PAL: DS-2CS58A1P-IRS  
 NTSC : DS-2CS58A1N-IRS

| DS-2CS58A1P(N)-IRS           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 976 (H) × 496 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                   |
| Shutter speed                | PAL: 1/50 s to 1/100,000 s, NTSC: 1/60 s to 1/100,000 s                 |
| Lens                         | 3.6 mm @ F2.2 (2.8 mm, 6 mm optional)                                   |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: ± 30°, Tilt: 0 - 80°, Rotation: ± 180°                             |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 700 TVL   |
| Synchronization              | Internal synchronization  |
| S/N Ratio                    | More than 62 dB   |
| Menu                         |   |
| Auto Gain                    | Low/Middle/High/Off   |
| D/N Mode                     | Auto / Color / B/W / SMART  |
| White Balance                | Auto 1/Auto 2   |
| D-WDR                        | Low/Middle/High/Off   |
| Motion Detection             | On/Off, maximum 6 zones   |
| Language                     | English/Chinese   |
| Function                     | Brightness, Contrast, Saturation, Sharpness, NR, Mirror                 |
| Interface                    |   |
| Video Output                 | 1Vp-p composite output (75 Ω/Aviation plug)                             |
| Audio In                     | Built-in Microphone   |
| Audio Output                 | 1-ch audio interface(Aviation plug)                                     |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F), Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 VDC  |
| Power Consumption            | Max. 2W (Max. 4W with IR cut filter on)                                 |
| Impact Protection            | IK07  |
| Ingress Protection           | IP66  |
| IR Range                     | Approx. 10 to 20 meters   |
| Dimensions                   | 97 × 46.6 × 99.5mm (3.82" × 1.83" × 3.92")                              |
| Weight                       | 300 g(0.66 lb)  |

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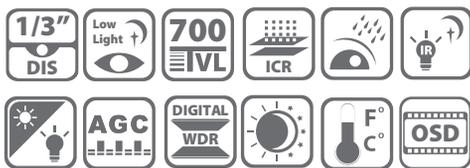
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CS54A1P(N)-IRS

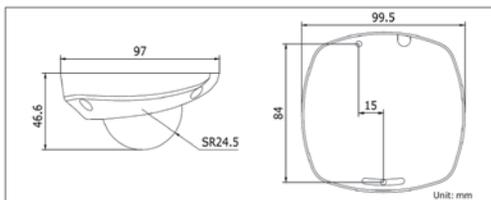
## 700TVL DIS IR Dome Camera



### Key features

- 1/3" DIS
- Min. illumination: 0.1 Lux @ F1.2 (0 Lux with IR)
- True Day/Night
- 3-axis (pan/tilt/rotation) positioning
- Wide operating temperature range
- IP66 rating
- 20m IR Distance
- OSD Menu

### Dimensions



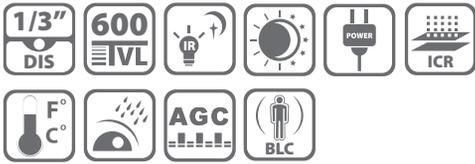
### Available models

DS-2CS54A1P-IRS  
DS-2CS54A1N-IRS

| DS-2CS54A1P(N)-IRS               |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" DIS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 976 (H) × 496 (V)   |
| Min. Illumination                | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                   |
| Shutter speed                    | PAL: 1/50 s to 1/100,000 s, NTSC: 1/60 s to 1/100,000 s                 |
| Lens                             | 3.6 mm @ F2.2 (2.8 mm, 6 mm optional)                                   |
|                                  | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: ± 30°, Tilt: 0 - 80°, Rotation: ± 180°                             |
| Day & Night                      | IR cut filter with auto switch  |
| Horizontal Resolution            | 700 TVL   |
| Synchronization                  | Internal synchronization  |
| S/N Ratio                        | More than 62 dB   |
| <b>Menu</b>                      |   |
| Auto Gain                        | Low/Middle/High/Off   |
| D/N Mode                         | Auto / Color / B/W / SMART  |
| White Balance                    | Auto 1/Auto 2   |
| D-WDR                            | Low/Middle/High/Off   |
| Motion Detection                 | On/Off, maximum 6 zones   |
| Language                         | English/Chinese   |
| Function                         | Brightness, Contrast, Saturation, Sharpness, NR, Mirror                 |
| <b>Interface</b>                 |   |
| Video Output                     | 1Vp-p composite output (75 Ω/BNC)                                       |
| Audio In                         | Built-in Microphone   |
| Audio Output                     | 1-ch BNC audio interface(Line level, 1 kΩ)                              |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -40 °C - 60 °C (-40 °F - 140 °F), Humidity 90% or less (non-condensing) |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 2W (Max. 4W with IR cut filter on)                                 |
| Impact Protection                | IK07  |
| Ingress Protection               | IP66  |
| IR Range                         | Up to 20 meters   |
| Dimensions                       | 97 × 46.6 × 99.5mm (3.82" × 1.83" × 3.92")                              |
| Weight                           | 300 g(0.66 lb)  |

# DS-2CE1582P(N)-IR

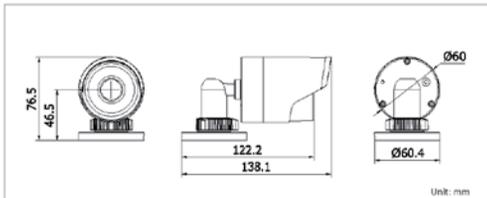
## 600TVL DIS IR Bullet Camera



### Key features

- 600 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE1582P-IR  
NTSC: DS-2CE1582N-IR

| DS-2CE1582P(N)-IR            |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 720 (H) × 480 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/15,000 s<br>NTSC: 1/30 s to 1/15,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)  |
|                              | Angle of view: 68.4° (3.6 mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 600 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 52 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 2 W<br>(Max. 5 W with IR cut filter on)                              |
| Ingress Protection           | IP66  |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                       | 360 g (0.79 lb)   |

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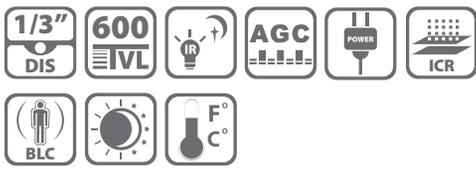
VIDEO ENCODER

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# DS-2CE5582P(N)-IRP

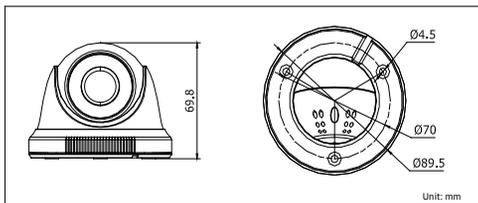
## 600TVL DIS Indoor IR Turret Camera



### Key features

- 600 TVL Horizontal Resolution
- True Day/Night
- 2.8/3.6/6mm Fixed Lens, 0.1 lux /F1.2
- 20m IR Distance
- Wide Operating Temperature Range:  
-40°C to 60°C(-40°F to +140°F)

### Dimensions



### Available models

PAL: DS-2CE5582P-IRP  
NTSC: DS-2CE5582N-IRP

|                              | DS-2CE5582P(N)-IRP  |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" DIS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 720 (H) × 480 (V)   |
| Min. Illumination            | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                | PAL: 1/25 s to 1/15,000 s<br>NTSC: 1/30 s to 1/15,000 s                   |
| Lens                         | 3.6 mm (2.8mm,6 mm optional)<br>Angle of view: 68.4° (3.6 mm)             |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°; Tilt: 0 - 85°; Rotation: 0 - 360°                          |
| Day & Night                  | IR cut filter with auto switch  |
| Horizontal Resolution        | 600 TVL   |
| Synchronization              | Internal synchronization  |
| Video Output                 | 1Vp-p composite output (75 Ω/BNC)   |
| S/N Ratio                    | More than 52 dB   |
| General                      |   |
| Working Temperature/Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12 V DC   |
| Power Consumption            | Max. 2 W<br>(Max. 5 W with IR cut filter on)                              |
| IR Range                     | 20 meters   |
| Dimensions                   | Φ 89.5 × 69.8 mm (3.52" × 2.75")  |
| Weight                       | 200g (0.44 lb)  |

# DS-2CC12C2S-IR

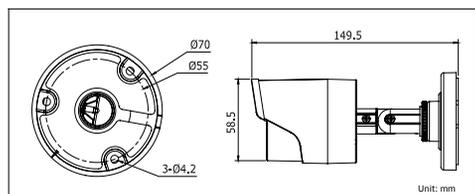
## HD720P IR Bullet Camera



### Key features

- HD720p video output
- True Day/Night
- Up to 20m IR Distance
- IP66 Weatherproof

### Dimensions



### Available models

DS-2CC12C2S-IR

| DS-2CC12C2S-IR               |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" Progressive Scan CMOS   |
| Effective Pixels             | 1280(H)*720(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                   |
| Shutter Time                 | 1/100 s to 1/100,000 s   |
| Lens                         | 3.6mm (2.8mm, 6mm optional)  |
|                              | Angle of View: 78.8°(3.6mm), 103°(2.8mm), 51.2°(6mm)                     |
| Lens Mount                   | M12  |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                         |
| Day & Night                  | ICR  |
| Synchronization              | Internal synchronization   |
| Video Frame Rate             | 720p@25fps/720p@30fps  |
| HD Video Output              | SMPTE292M (HD-SDI)   |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12V DC±10%   |
| Power Consumption            | Max. 3W  |
| Weather Proof Ratings        | IP66   |
| IR Range                     | 20 meters  |
| Dimension                    | Φ 70×149.5 mm (Φ 2.76" ×5.89")   |
| Weight                       | 360g (0.79 lb)   |

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# DS-2CC52C2S-IRM

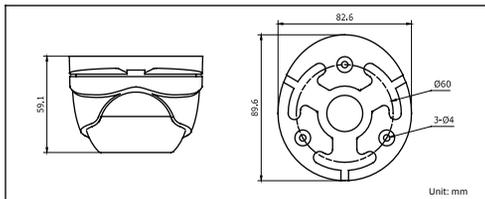
## HD720P IR Turret Camera



### Key features

- HD720p video output
- True Day/Night
- Up to 20m IR Distance
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Indoor/outdoor wall mount

### Available models

DS-2CC52C2S-IRM

| DS-2CC52C2S-IRM              |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" Progressive Scan CMOS   |
| Effective Pixels             | 1280(H)*720(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                   |
| Shutter Time                 | 1/100 s to 1/100,000 s   |
| Lens                         | 3.6mm (2.8mm, 6mm optional)  |
|                              | Angle of View: 78.8°(3.6mm), 103°(2.8mm), 51.2°(6mm)                     |
| Lens Mount                   | M12  |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                         |
| Day & Night                  | ICR  |
| Synchronization              | Internal synchronization   |
| Video Frame Rate             | 720p@25fps/720p@30fps  |
| HD Video Output              | SMPTE292M (HD-SDI)   |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                 | 12V DC±10%   |
| Power Consumption            | Max. 3W  |
| Weather Proof Ratings        | IP66   |
| IR Range                     | 20 meters  |
| Dimension                    | 89.6 × 59.1 mm (3.53" × 2.33")   |
| Weight                       | 400g (0.88 lb)   |

# DS-2CC52C1S-VPIR

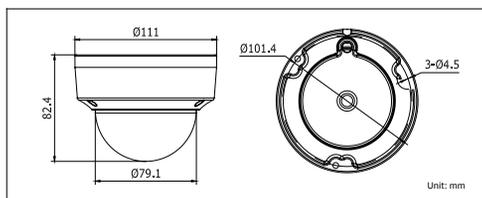
## HD720P Vandal Proof Dome Camera



### Key features

- HD720p Video Output
- True Day/Night
- OSD Menu
- Up to 20m IR Distance
- Vandal Proof

### Dimensions



### Accessories



Inclined ceiling mount  
DS-1259ZJ



Indoor/outdoor wall mount  
DS-1272ZJ-110

### Available models

PAL: DS-2CC52C1S-VPIR

| DS-2CC52C1S-VPIR             |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" Progressive Scan CMOS   |
| Effective Pixels             | 1280(H)*720(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                       |
| Shutter Time                 | 1/100 s to 1/100,000 s   |
| Lens                         | 3.6mm (6mm optional)   |
|                              | Angle of View: 80.9°(3.6mm), 54.3°(6mm)                                      |
| Lens Mount                   | M12  |
| Angle Adjustment             | Pan: 0 - 180°, Tilt: 0 - 75°, Rotation: 0 - 360°                             |
| Day & Night                  | ICR  |
| Synchronization              | Internal synchronization   |
| Video Frame Rate             | 720p@25fps/720p@30fps  |
| HD Video Output              | SMPTE292M (HD-SDI)   |
| Menu                         |  |
| AGC                          | Support  |
| D/N Mode                     | Auto/Color/BW/Smart  |
| White Balance                | Indoor/Outdoor/Auto/User   |
| Anti-flicker                 | On/off   |
| Language                     | Chinese/English  |
| Functions                    | Brightness, Contrast, Color Gain, Sharpness, Digital Noise Reduction, Mirror |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)     |
| Power Supply                 | 12V DC±10%   |
| Power Consumption            | Max. 3W  |
| Impact Protection            | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10                             |
| IR Range                     | 20 meters  |
| Dimension                    | Φ 111 × 82.4(Φ 4.37" × 3.24")  |
| Weight                       | 550g (1.21 lbs)  |

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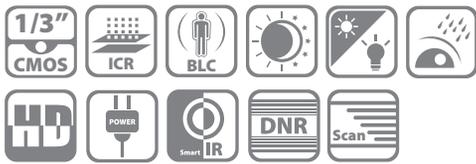
NETWORK STORAGE

# DS-2CC12C2S-IT3

## HD720P EXIR Bullet Camera



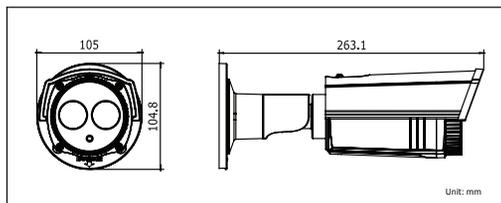
**EXIR**



### Key features

- HD720p video output
- True Day/Night
- Up to 40m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CC12C2S-IT3

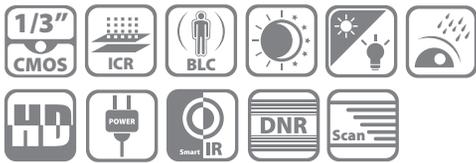
| DS-2CC12C2S-IT3              |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" Progressive Scan CMOS   |
| Effective Pixels             | 1280(H)*720(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR   |
| Shutter Time                 | 1/100 s to 1/100,000 s   |
| Lens                         | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                              | Angle of View: 78.8°(3.6mm), 103°(2.8mm), 51.2°(6mm), 37.6°(8mm), 24.6°(12mm), 18.8°(16mm) |
| Lens Mount                   | M12  |
| Day & Night                  | ICR  |
| Synchronization              | Internal synchronization   |
| Video Frame Rate             | 720p@25fps/720p@30fps  |
| HD Video Output              | SMPTE292M (HD-SDI)   |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                   |
| Power Supply                 | 12V DC±10%   |
| Power Consumption            | Max. 6W  |
| Ingress Protection           | IP66   |
| IR Range                     | 40 meters  |
| Dimension                    | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")  |
| Weight                       | 800g (1.76 lbs)  |

# DS-2CC12C2S-IT5

## HD720P EXIR Bullet Camera



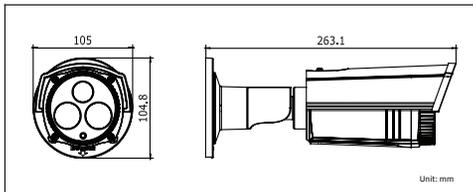
**EXIR**



### Key features

- HD720p video output
- True Day/Night
- Up to 80m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CC12C2S-IT5

| DS-2CC12C2S-IT5              |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Effective Pixels             | 1280(H)*720(V)  |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/100 s to 1/100,000 s  |
| Lens                         | 3.6mm (6mm, 8mm, 12mm, 16mm optional)   |
|                              | Angle of View: 78.8°(3.6mm), 51.2°(6mm), 37.6°(8mm), 24.6°(12mm), 18.8°(16mm) |
| Lens Mount                   | M12   |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 720p@25fps/720p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)      |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 7W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 80 meters   |
| Dimension                    | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")                                       |
| Weight                       | 800 g (1.76 lbs)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CC52C2S-IT3P

## HD720P EXIR Turret Camera



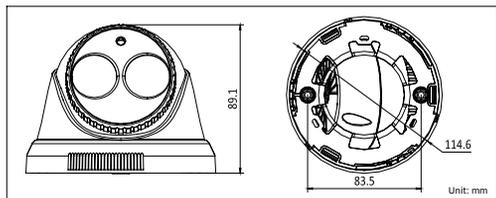
**EXIR**



### Key features

- HD720p video output
- True Day/Night
- Up to 40m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272ZJ-110  
Indoor/outdoor wall mount

DS-1258ZJ  
Indoor wall mount

### Available models

PAL: DS-2CC52C2S-IT3P

| DS-2CC52C2S-IT3P             |  |
|------------------------------|--|
| Camera                       |  |
| Image Sensor                 | 1/3" Progressive Scan CMOS   |
| Effective Pixels             | 1280(H)*720(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR   |
| Shutter Time                 | 1/100 s to 1/100,000 s   |
| Lens                         | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                              | Angle of View: 78.8°(3.6mm), 103°(2.8mm), 51.2°(6mm), 37.6°(8mm), 24.6°(12mm), 18.8°(16mm) |
| Lens Mount                   | M12  |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°   |
| Day & Night                  | ICR  |
| Synchronization              | Internal synchronization   |
| Video Frame Rate             | 720p@25fps/720p@30fps  |
| HD Video Output              | SMPTE292M (HD-SDI)   |
| General                      |  |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                   |
| Power Supply                 | 12V DC±10%   |
| Power Consumption            | Max. 6W  |
| Weather Proof Ratings        | IP66   |
| IR Range                     | 40 meters  |
| Dimension                    | Φ 114.6 × 89.1mm(Φ 4.5" × 3.5")  |
| Weight                       | 250 g (0.55lb)   |

# DS-2CC12D5S-IR

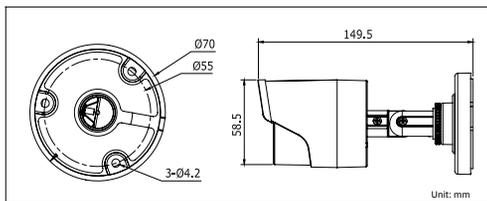
## HD1080P IR Bullet Camera



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- Up to 20m IR Distance
- IP66 Weatherproof

### Dimensions



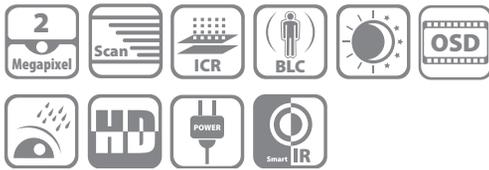
### Available models

PAL: DS-2CC12D5S-IR

| DS-2CC12D5S-IR               |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (6mm optional)  |
|                              | Angle of View: 80.9°(3.6mm), 54.3°(6mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| Menu                         |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 5W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 20 meters   |
| Dimension                    | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                       | 360g (0.79 lb)  |

# DS-2CC52D5S-IRM

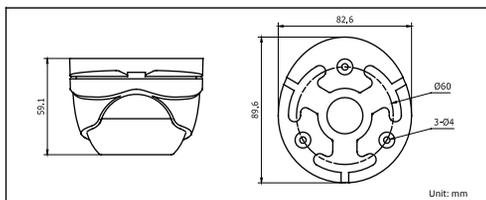
## HD1080P IR Turret Camera



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- Up to 20m IR Distance
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272ZJ-110-TRS  
Indoor/outdoor wall mount

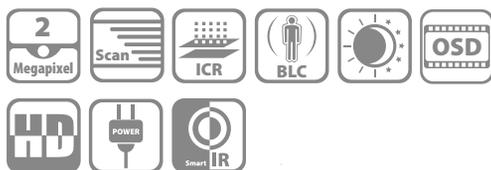
### Available models

PAL: DS-2CC52D5S-IRM

| DS-2CC52D5S-IRM              |   |
|------------------------------|---|
| <b>Camera</b>                |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (2.8mm, 6mm optional)   |
|                              | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm)  |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| <b>Menu</b>                  |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>               |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 5W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 20 meters   |
| Dimension                    | 89.6 × 59.1 mm (3.53" × 2.33")  |
| Weight                       | 400g (0.88 lb)  |

# DS-2CC52D5S-VPIR

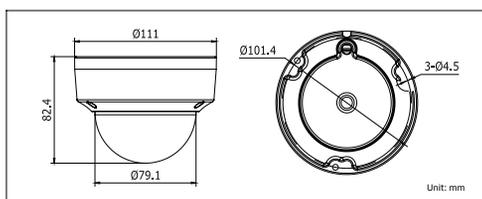
## HD1080P Vandal Proof Dome Camera



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- Up to 20m IR Distance
- Vandal Proof

### Dimensions



### Accessories



Inclined ceiling mount  
DS-1259ZJ



Indoor/outdoor wall mount  
DS-1272ZJ-110

### Available models

PAL: DS-2CC52D5S-VPIR

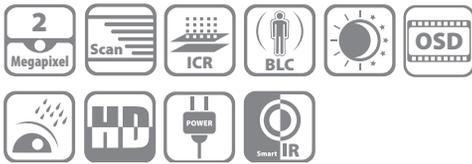
| DS-2CC52D5S-VPIR             |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (6mm optional)  |
|                              | Angle of View: 80.9°(3.6mm), 54.3°(6mm)   |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 180°, Tilt: 0 - 75°, Rotation: 0 - 360°  |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | Test monitor out [1Vp-p composite output (75 Ω/BNC), device line]   |
| S/N Ratio                    | More than 52dB  |
| Menu                         |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 5W   |
| Impact Protection            | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10  |
| IR Range                     | 20 meters   |
| Dimension                    | Φ 111 × 82.4(Φ 4.37" × 3.24")   |
| Weight                       | 550g (1.21 lbs)   |

# DS-2CC12D5S-IT3

## HD1080P EXIR Bullet Camera



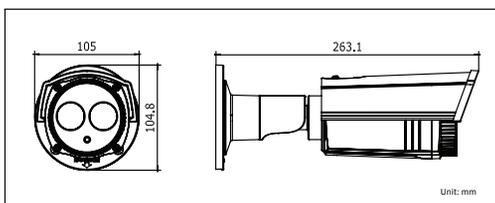
**EXIR**



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- 40m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CC12D5S-IT3

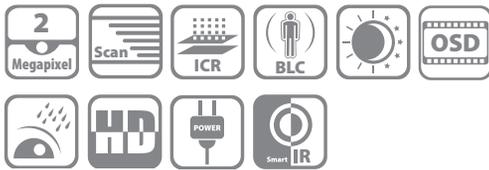
| DS-2CC12D5S-IT3              |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)  |
|                              | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(18mm)  |
| Lens Mount                   | M12   |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| Menu                         |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 7W   |
| Ingress Protection           | IP66  |
| IR Range                     | 40 meters   |
| Dimension                    | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")   |
| Weight                       | 800g (1.76 lbs)   |

# DS-2CC12D5S-IT5

## HD1080P EXIR Bullet Camera



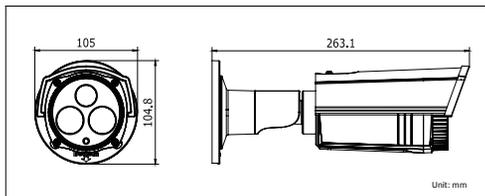
**EXIR**



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- 80m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Available models

PAL: DS-2CC12D5S-IT5

| DS-2CC12D5S-IT5              |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (6mm, 8mm, 12mm, 16mm optional)   |
|                              | Angle of View: 80.9°(3.6mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(18mm)   |
| Lens Mount                   | M12   |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| Menu                         |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 8W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 80 meters   |
| Dimension                    | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")   |
| Weight                       | 800g (1.76 lbs)   |

PTZ DOME  
NETWORK  
ANALOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-2CC52D5S-IT3

## HD1080P EXIR Turret Camera



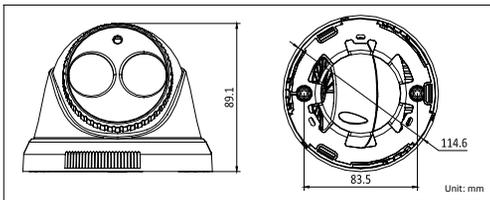
**EXIR**



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- 40m IR Distance with EXIR technology
- IP66 Weatherproof

### Dimensions



### Accessories



DS-1272ZJ-110  
Indoor/outdoor wall mount

DS-1258ZJ  
Indoor wall mount

### Available models

PAL: DS-2CC52D5S-IT3

| DS-2CC52D5S-IT3              |   |
|------------------------------|---|
| <b>Camera</b>                |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)  |
|                              | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(18mm)  |
| Lens Mount                   | M12   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| <b>Menu</b>                  |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>               |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%  |
| Power Consumption            | Max. 7W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 40 meters   |
| Dimension                    | Φ 114.6 × 89.1mm(Φ 4.5" × 3.5")   |
| Weight                       | 300g (0.66 lb)  |

# DS-2CC51D5S-AVPIR3

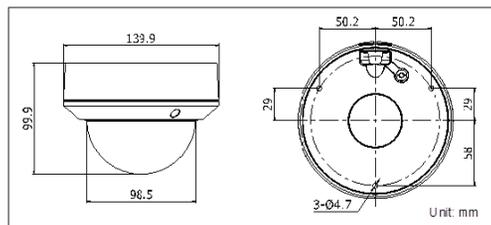
## HD1080p Outdoor Vandal Proof IR Dome Camera



### Key features

- 2 MP CMOS Image Sensor
- Full HD1080p Video Output
- True Day/Night
- Privacy Masking, Eclipse
- OSD Menu
- Up to 40m IR Distance
- IP66 Weatherproof and Vandal Proof

### Dimensions



### Accessories



Indoor/outdoor wall mount  
DS-1273ZJ-135



In-ceiling mount  
DS-1227ZJ

### Available models

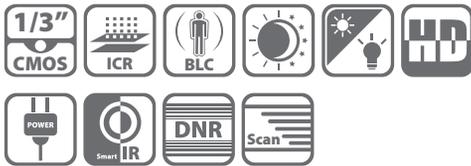
PAL: DS-2CC51D5S-AVPIR3

| DS-2CC51D5S-AVPIR3           |   |
|------------------------------|---|
| Camera                       |   |
| Image Sensor                 | 1/3" Progressive Scan CMOS  |
| Signal System                | PAL/NTSC  |
| Effective Pixels             | 1920(H)*1080(V)   |
| Min. Illumination            | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                 | 1/25 s to 1/50,000 s  |
| Lens                         | 2.8-12mm @ F1.4   |
|                              | Angle of view: 80° - 27.2°  |
| Lens Mount                   | Φ14   |
| Angle Adjustment             | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                  | ICR   |
| Synchronization              | Internal synchronization  |
| Video Frame Rate             | 1080p@25fps/1080p@30fps   |
| HD Video Output              | SMPTE292M (HD-SDI)  |
| CVBS Output                  | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                    | More than 52dB  |
| Menu                         |   |
| Camera ID                    | On/off (15 characters, position programmable)   |
| AGC                          | Support   |
| D/N Mode                     | Color/BW/EXT  |
| White Balance                | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                 | On/Off, maximum 8 zones   |
| Motion Detection             | On/Off, maximum 4 zones   |
| BLC                          | Support   |
| Anti-flicker                 | On/off  |
| Language                     | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                    | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM, Smart Focus    |
| General                      |   |
| Working Temperature/Humidity | -10 °C - 60 °C (14 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                 | 12V DC±10%, 24V AC±10%  |
| Power Consumption            | Max. 7W   |
| Weather Proof Ratings        | IP66  |
| IR Range                     | 40 meters   |
| Dimension                    | Φ 139.9 × 99.9 mm (Φ 5.51" × 3.93")   |
| Weight                       | 800g (1.76 lbs)   |

# DS-2CE16C2T-IRP

## HD720P IR Bullet Camera

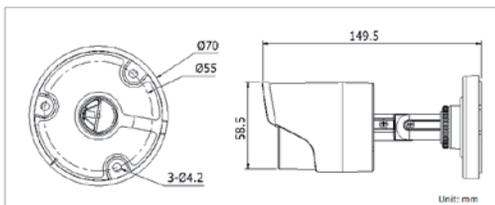
# TURBO HD



### Key features

- HD720P Video Output
- Adopt HDTV Technology
- True Day/Night
- DNR, Smart IR
- 20m IR distance

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16C2T-IRP

| DS-2CE16C2T-IRP                  |   |
|----------------------------------|---|
| Camera                           |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Effective Pixels                 | 1280(H)*720(V)  |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm optional)   |
|                                  | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)                   |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 25 fps (PAL) / 30 fps (NTSC)  |
| HD Video Output                  | 1 Analog HD output  |
| S/N Ratio                        | More than 52dB  |
| General                          |   |
| Working Temperature/<br>Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 3.5W   |
| IR Range                         | Up to 20m   |
| Dimensions                       | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                           | 290g (0.64 lb)  |

# DS-2CE16C2T-IR

## HD720P IR Bullet Camera

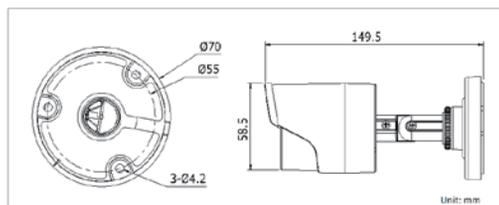
**TURBO HD**



### Key features

- HD720P Video Output
- Adopt HDTVl Technology
- True Day/Night
- DNR, Smart IR
- 20m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16C2T-IR

| DS-2CE16C2T-IR                   |   |
|----------------------------------|---|
| Camera                           |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Effective Pixels                 | 1280(H)*720(V)  |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm optional)   |
|                                  | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)                   |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 720p@50fps/720p@60fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| General                          |   |
| Working Temperature/<br>Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 3.5W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 20m   |
| Dimensions                       | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                           | 360 g (0.79 lb)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE56C2T-IRP

## HD720P IR Turret Camera

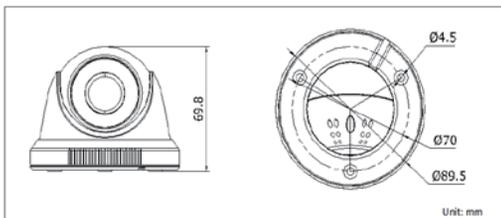
# TURBO HD



### Key features

- HD720P Video Output
- Adopt HDTVI Technology
- True Day/Night
- DNR, Smart IR
- 20m IR distance

### Dimensions



| DS-2CE56C2T-IRP                |   |
|--------------------------------|---|
| Camera                         |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  |
| Effective Pixels               | 1280(H)*720(V)  |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 3.6mm (2.8mm, 6mm optional)   |
|                                | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)                   |
| Lens Mount                     | M12   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 25 fps (PAL) / 30 fps (NTSC)  |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| General                        |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 3.5W   |
| IR Range                       | Up to 20m   |
| Dimensions                     | Φ 89.5 × 69.8 mm (Φ 3.52" × 2.75")  |
| Weight                         | 200g (0.44 lb)  |

### Accessories



Video balun  
DS-1H18

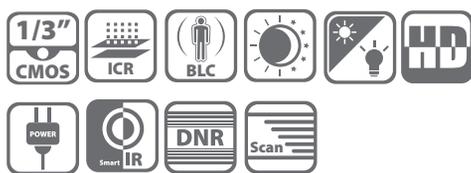
### Available models

DS-2CE56C2T-IRP

# DS-2CE56C2T-IR

## HD720P IR Turret Camera

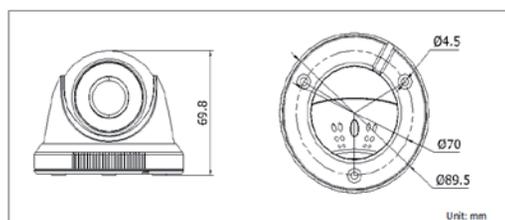
**TURBO HD**



### Key features

- HD720P Video Output
- Adopt HDTV Technology
- True Day/Night
- DNR, Smart IR
- 20m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56C2T-IR

| DS-2CE56C2T-IR                 |   |
|--------------------------------|---|
| Camera                         |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  |
| Effective Pixels               | 1280(H)*720(V)  |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 3.6mm (2.8mm, 6mm optional)   |
|                                | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)                   |
| Lens Mount                     | M12   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 720p@25fps / 720p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| General                        |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 3.5W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 20m   |
| Dimensions                     | Φ 89.5 × 69.8 mm (Φ 3.52" × 2.75")  |
| Weight                         | 260g (0.57 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

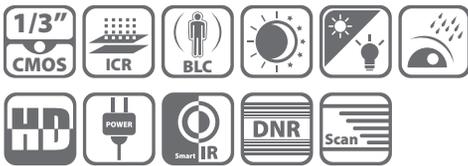
CARD

NETWORK STORAGE

# DS-2CE56C2T-IRM

## HD720P IR Turret Camera

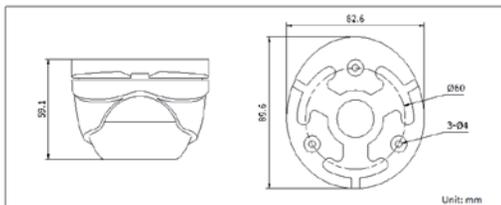
# TURBO HD



### Key features

- HD720P Video Output
- Adopt HDTV Technology
- True Day/Night
- DNR, Smart IR
- 20m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Indoor/outdoor wall mount  
DS-127ZJ-110-TRS

Video balun  
DS-1H18

### Available models

DS-2CE56C2T-IRM

| DS-2CE56C2T-IRM                  |   |
|----------------------------------|---|
| Camera                           |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Effective Pixels                 | 1280(H)*720(V)  |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm optional)   |
|                                  | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm)                   |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 720p@25fps/720p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| General                          |   |
| Working Temperature/<br>Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 3.5W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 20m   |
| Dimensions                       | 89.6 × 59.1 mm (3.53" × 2.33")  |
| Weight                           | 400 g (0.88 lb)   |

# DS-2CE16C2T-IT1/IT3 /IT5

## HD720P EXIR Bullet Camera

# TURBO HD



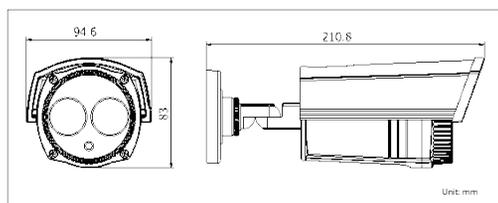
## EXIR



### Key features

- 1.3 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- True Day/Night
- DNR, Smart IR
- EXIR technology, up to 20/40/80m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

- DS-2CE16C2T-IT1
- DS-2CE16C2T-IT3
- DS-2CE16C2T-IT5

|                               | DS-2CE16C2T-IT1   | DS-2CE16C2T-IT3  | DS-2CE16C2T-IT5                       |
|-------------------------------|---|--|---------------------------------------|
| <b>Camera</b>                 |   |  |                                       |
| Image Sensor                  | 1/3" Progressive Scan CMOS  |  |                                       |
| Effective Pixels              | 1280(H)*720(V)  |  |                                       |
| Min. Illumination             | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |  |                                       |
| Shutter Time                  | 1/25(1/30) s to 1/50,000 s  |  |                                       |
| Lens                          | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |                                       |
|                               | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm), 36.8°(8mm)       | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm), 36.8°(8mm), 24.33°(12mm), 18.4°(16mm) |                                       |
| Lens Mount                    | M12   |  |                                       |
| Day & Night                   | ICR   |  |                                       |
| Synchronization               | Internal synchronization  |  |                                       |
| Video Frame Rate              | 720p@25fps/720p@30fps   |  |                                       |
| HD Video Output               | 1 Analog HD output  |  |                                       |
| CVBS Output                   | 1Vp-p Composite Output(75Ω/BNC)   |  |                                       |
| S/N Ratio                     | More than 52dB  |  |                                       |
| <b>General</b>                |   |  |                                       |
| Working Temperature/ Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |  |                                       |
| Power Supply                  | 12 VDC  |  |                                       |
| Power Consumption             | Max. 3W   | Max. 4.5W  |                                       |
| Weather Proof Ratings         | IP66  |  |                                       |
| IR Range                      | Up to 20m   | Up to 40m  | Up to 80m                             |
| Dimensions                    | 94.6×83×210.8mm(3.72"×3.27"×8.30")  |  | 105×104.8×263.1mm(4.13"×4.13"×10.36") |
| Weight                        | 700 g (1.54 lbs)  |  | 800 g (1.76 lbs)                      |

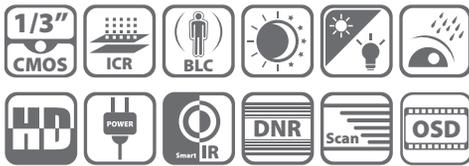
# DS-2CE56C2T-IT1/IT3

## HD720P EXIR Turret Camera

# TURBO HD



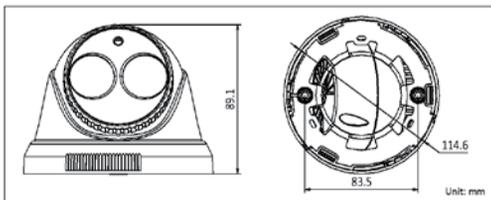
## EXIR



### Key features

- 1.3 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- True Day/Night
- DNR, Smart IR
- EXIR technology, up to 20/40m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Indoor/outdoor wall mount  
DS-1272ZJ-110

Indoor wall mount  
DS-1258ZJ

Video balun  
DS-1H18

### Available models

DS-2CE56C2T-IT1  
DS-2CE56C2T-IT3

|                                  | DS-2CE56C2T-IT1   | DS-2CE56C2T-IT3  |
|----------------------------------|---|--|
| <b>Camera</b>                    |   |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |  |
| Effective Pixels                 | 1280(H)*720(V)  |  |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |  |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                                  | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm), 36.8°(8mm)       | Angle of View: 76.88°(3.6mm), 99.73°(2.8mm), 50.1°(6mm), 36.8°(8mm), 24.33°(12mm), 18.4°(16mm) |
| Lens Mount                       | M12   |  |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |  |
| Day & Night                      | ICR   |  |
| Synchronization                  | Internal synchronization  |  |
| Video Frame Rate                 | 720p@25fps/720p@30fps   |  |
| HD Video Output                  | 1 Analog HD output  |  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |  |
| S/N Ratio                        | More than 52dB  |  |
| <b>General</b>                   |   |  |
| Working Temperature/<br>Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |  |
| Power Supply                     | 12 VDC  |  |
| Power Consumption                | Max. 3W   | Max. 4.5W  |
| IR Range                         | Up to 20m   | Up to 40m  |
| Dimensions                       | Φ 114.6 × 89.1mm(Φ 4.5" × 3.5")   |  |
| Weight                           | 300 g (0.66 lb)   |  |

# DS-2CE56C2T-VFIR3

## HD720P Outdoor Vari-focal IR Turret Camera

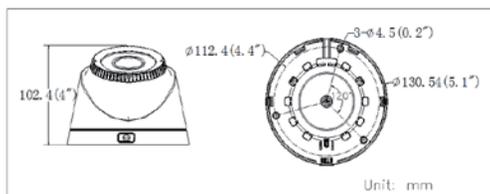
**TURBO HD**



### Key features

- HD720P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 40m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56C2T-VFIR3

| DS-2CE56C2T-VFIR3              |   |
|--------------------------------|---|
| Camera                         |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1280(H)*720(V)  |
| Min. Illumination              | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 80° - 27.2°  |
| Lens Mount                     | φ14   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 720p@25fps/720p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| General                        |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 4.5W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 40m   |
| Dimensions                     | Φ 130.54 × 102.4 mm (Φ 5.1" × 4")   |
| Weight                         | 565g (1.24 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE16C2T-VFIR3

## HD720P Outdoor Vari-focal IR Bullet Camera

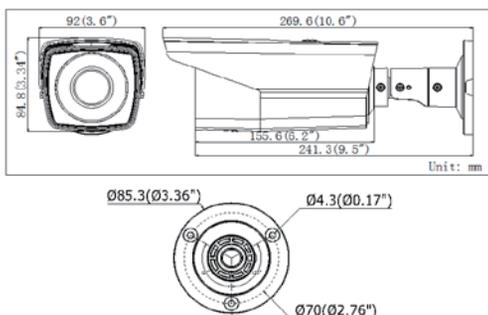
**TURBO HD**



### Key features

- HD720P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 40m IR distance
- IP66 weatherproof

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16C2T-VFIR3

| DS-2CE16C2T-VFIR3              |   |
|--------------------------------|---|
| Camera                         |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1280(H)*720(V)  |
| Min. Illumination              | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR                                    |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 80° - 27.2°  |
| Lens Mount                     | φ14   |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 720p@25fps/720p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| General                        |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                   | 12V DC  |
| Power Consumption              | Max. 5W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 40m   |
| Dimensions                     | 92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")                                |
| Weight                         | 1010g (2.23 lbs)  |

# DS-2CE16C5T-IT1/IT3

## HD720P EXIR Bullet Camera

# TURBO HD



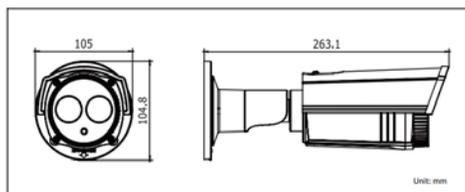
## EXIR



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, up to 20/40m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16C5T-IT1  
DS-2CE16C5T-IT3

|                                  | DS-2CE16C5T-IT1   | DS-2CE16C5T-IT3  |
|----------------------------------|---|--|
| <b>Camera</b>                    |   |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |  |
| Signal System                    | PAL/NTSC  |  |
| Effective Pixels                 | 1305(H)*1049(V)   |  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR   |  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s   |  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                                  | Angle of View: 71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm)                                 | Angle of View: 71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm), 22.81°(12mm), 17.2°(16mm) |
| Lens Mount                       | M12   |  |
| Day & Night                      | ICR   |  |
| Synchronization                  | Internal synchronization  |  |
| Video Frame Rate                 | 720p@50fps/720p@60fps   |  |
| HD Video Output                  | 1 Analog HD output  |  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |  |
| S/N Ratio                        | More than 62dB  |  |
| <b>Menu</b>                      |   |  |
| Automatic Exposure               | Globe AE/DWDR   |  |
| AGC                              | Low/Middle/High/Off   |  |
| Slow Shutter                     | Support   |  |
| White Balance                    | Auto/Manual   |  |
| D/N Mode                         | Color/BW/SMART IR   |  |
| 3D DNR                           | Low/Middle/High/Off   |  |
| Motion Detection                 | Support, maximum 4 zones  |  |
| Privacy Mask                     | On/Off, maximum 8 zones   |  |
| UTC Function                     | Support   |  |
| Language                         | English/Chinese   |  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror |  |
| <b>General</b>                   |   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                            |  |
| Power Supply                     | 12 VDC  |  |
| Power Consumption                | Max. 3W   |  |
| Weather Proof Ratings            | IP66  |  |
| IR Range                         | Up to 20m   | Up to 40m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)                                    |  |
| Dimensions                       | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")   |  |
| Weight                           | 800 g (1.76 lbs)  |  |

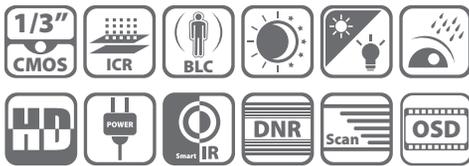
# DS-2CE16C5T-IT5

## HD720P EXIR Bullet Camera

**TURBO HD**



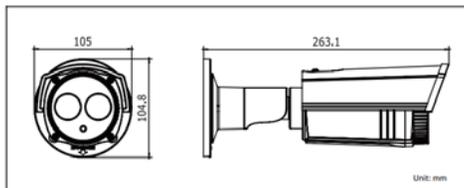
**EXIR**



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, up to 80m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16C5T-IT5

| DS-2CE16C5T-IT5                  |  |
|----------------------------------|--|
| <b>Camera</b>                    |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1305(H)*1049(V)  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)<br>Angle of View: 71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm), 22.81°(12mm), 17.2°(16mm) |
| Lens Mount                       | M12  |
| Day & Night                      | ICR  |
| Synchronization                  | Internal synchronization   |
| Video Frame Rate                 | 720p@50fps/720p@60fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 62dB   |
| <b>Menu</b>                      |  |
| Automatic Exposure               | Globe AE/DWDR  |
| AGC                              | Low/Middle/High/Off  |
| Slow Shutter                     | Support  |
| White Balance                    | Auto/Manual  |
| D/N Mode                         | Color/BW/SMART IR  |
| 3D DNR                           | Low/Middle/High/Off  |
| Motion Detection                 | Support, maximum 4 zones   |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| UTC Function                     | Support  |
| Language                         | English/Chinese  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror  |
| <b>General</b>                   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)   |
| Power Supply                     | 12 VDC   |
| Power Consumption                | Max. 4.5W  |
| Weather Proof Ratings            | IP66   |
| IR Range                         | Up to 80m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)   |
| Dimensions                       | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")  |
| Weight                           | 800 g (1.76 lbs)   |

# DS-2CE56C5T-IT1/IT3

## HD720P EXIR Turret Camera

# TURBO HD



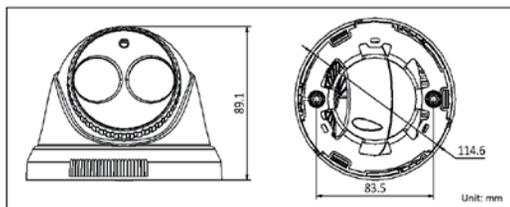
### EXIR



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, up to 20/40m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



### Available models

DS-2CE56C5T-IT1  
DS-2CE56C5T-IT3

|                                  | DS-2CE56C5T-IT1   | DS-2CE56C5T-IT3  |
|----------------------------------|---|--|
| <b>Camera</b>                    |   |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |  |
| Signal System                    | PAL/NTSC  |  |
| Effective Pixels                 | 1305(H)*1049(V)   |  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR   |  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s   |  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                                  | Angle of View: 71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm)                                 | Angle of View: 71.43°(3.6mm), 92.45°(2.8mm), 46.9°(6mm), 34.5°(8mm), 22.81°(12mm), 17.2°(16mm) |
| Lens Mount                       | M12   |  |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |  |
| Day & Night                      | ICR   |  |
| Synchronization                  | Internal synchronization  |  |
| Video Frame Rate                 | 720p@50fps/720p@60fps   |  |
| HD Video Output                  | 1 Analog HD output  |  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |  |
| S/N Ratio                        | More than 62dB  |  |
| <b>Menu</b>                      |   |  |
| Automatic Exposure               | Globe AE/DWDR   |  |
| Lens Type                        | Auto Iris/ELC/ELC&ALC   |  |
| AGC                              | Low/Middle/High/Off   |  |
| Slow Shutter                     | Support   |  |
| White Balance                    | Auto/Manual   |  |
| D/N Mode                         | Color/BW/SMART IR   |  |
| 3D DNR                           | Low/Middle/High/Off   |  |
| Motion Detection                 | Support, maximum 4 zones  |  |
| Privacy Mask                     | On/Off, maximum 8 zones   |  |
| UTC Function                     | Support   |  |
| Language                         | English/Chinese   |  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror |  |
| <b>General</b>                   |   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                            |  |
| Power Supply                     | 12 VDC±10%  |  |
| Power Consumption                | Max. 3W   | Max. 4.5W  |
| Weather Proof Ratings            | IP66  |  |
| IR Range                         | Up to 20m   | Up to 40m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)                                    |  |
| Dimensions                       | Φ 114.6 × 89.1mm(Φ 4.5" × 3.5")   |  |
| Weight                           | 300 g (0.66 lb)   |  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

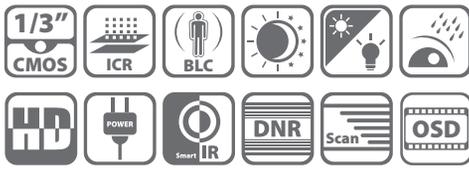
CARD

NETWORK STORAGE

# DS-2CE16C5T-(A)V FIR3

## HD720P Vari-focal IR Bullet Camera

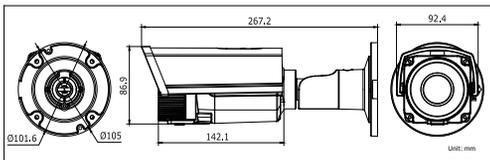
**TURBO HD**



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- 2.8-12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 40m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



### Available models

- DS-2CE16C5T-VFIR3
- DS-2CE16C5T-AVFIR3

| DS-2CE16C5T-(A)V FIR3            |  |
|----------------------------------|--|
| <b>Camera</b>                    |  |
| Image sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1305(H)*1049(V)  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 78° - 28°  |
| Lens Mount                       | φ14  |
| Day & Night                      | ICR  |
| Synchronization                  | Internal synchronization   |
| Video Frame Rate                 | 720p@50fps/720p@60fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 62dB   |
| <b>Menu</b>                      |  |
| Automatic Exposure               | Globe AE/DWDR  |
| Lens Type                        | Auto Iris/ELC/ELC&ALC  |
| AGC                              | Low/Middle/High/Off  |
| Slow Shutter                     | Support  |
| White Balance                    | Auto/Manual  |
| D/N Mode                         | Color/BW/SMART IR  |
| 3D DNR                           | Low/Middle/High/Off  |
| Motion Detection                 | Support, maximum 4 zones   |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| UTC Function                     | Support  |
| Language                         | English/Chinese  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror, Reset |
| <b>General</b>                   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                                   |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC   |
| Power Consumption                | 12 VDC: Max. 4W<br>24 VAC: Max. 6W   |
| Weather Proof Ratings            | IP66   |
| IR Range                         | Up to 40m  |
| Communication                    | Up the coax(need UTC controller)   |
| Dimensions                       | 105 × 86.9 × 267.2mm(Φ 4.13" x 3.42" x 10.52")   |
| Weight                           | 1350g (2.97 lbs)   |

# DS-2CE56C5T-VFIT3

## HD720P Vari-focal EXIR Turret Camera

# TURBO HD



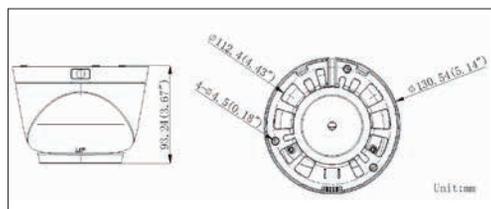
### EXIR



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- 2.8 – 12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR vari-focal technology, up to 50m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56C5T-VFIT3

| DS-2CE56C5T-VFIT3                |  |
|----------------------------------|--|
| <b>Camera</b>                    |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1305(H)*1049(V)  |
| Min. Illumination                | 0.001 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.0014 Lux @ (F1.4,AGC ON),0 Lux with IR                        |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 78° - 28°  |
| Lens Mount                       | φ14  |
| Angle Adjustment                 | Pan: 0 - 355°, Tilt: 0 - 90°, Rotation: 0 - 355°   |
| Day & Night                      | ICR  |
| Synchronization                  | Internal synchronization   |
| Video Frame Rate                 | 720p@50fps/720p@60fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 62dB   |
| <b>Menu</b>                      |  |
| Automatic Exposure               | Globe AE/DWDR  |
| Lens Type                        | Auto Iris/ELC/ELC&ALC  |
| AGC                              | Low/Middle/High/Off  |
| Slow Shutter                     | Support  |
| White Balance                    | Auto/Manual  |
| D/N Mode                         | Color/BW/SMART IR  |
| 3D DNR                           | Low/Middle/High/Off  |
| Motion Detection                 | Support, maximum 4 zones   |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| UTC Function                     | Support  |
| Language                         | English/Chinese  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror, Reset |
| <b>General</b>                   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                                   |
| Power Supply                     | 12 VDC   |
| Power Consumption                | Max. 6W  |
| Weather Proof Ratings            | IP66   |
| IR Range                         | Up to 50m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)   |
| Dimensions                       | Φ 130.54 × 93.24 mm (Φ 5.14" × 3.67")  |
| Weight                           | 380 g (0.84 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE56C5T-(A)V FIR

## HD720P Indoor Vari-focal IR Dome Camera

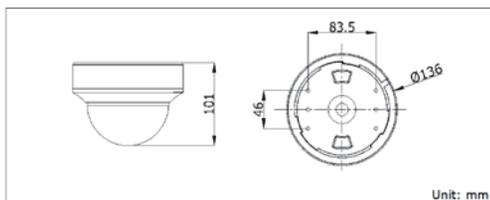
# TURBO HD



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- 2.8 – 12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 30m IR distance
- UTC function(Pelco C protocol)
- 24V AC/ 12V DC (-A)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

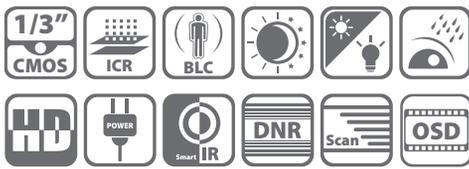
DS-2CE56C5T-VFIR  
DS-2CE56C5T-AVFIR

| DS-2CE56C5T-(A)V FIR             |  |
|----------------------------------|--|
| <b>Camera</b>                    |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1305(H)*1049(V)  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 78° - 28°  |
| Lens Mount                       | φ14  |
| Angle Adjustment                 | Pan: 0 - 355°, Tilt: 0 - 180°, Rotation: 0 - 355°  |
| Day & Night                      | ICR  |
| Synchronization                  | Internal synchronization   |
| Video Frame Rate                 | 720p@50fps/720p@60fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 62dB   |
| <b>Menu</b>                      |  |
| Automatic Exposure               | Globe AE/DWDR  |
| Lens Type                        | Auto Iris/ELC/ELC&ALC  |
| AGC                              | Low/Middle/High/Off  |
| Slow Shutter                     | Support  |
| White Balance                    | Auto/Manual  |
| D/N Mode                         | Color/BW/SMART IR  |
| 3D DNR                           | Low/Middle/Hig h/Off   |
| Motion Detection                 | Support, maximum 4 zones   |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| UTC Function                     | Support  |
| Language                         | English/Chinese  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror, Reset |
| <b>General</b>                   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                                   |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC   |
| Power Consumption                | 12 VDC: Max. 3.5W<br>24 VAC: Max. 5W   |
| IR Range                         | Up to 30m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)   |
| Dimensions                       | Φ 136 × 101 mm (Φ 5.35" × 3.98")   |
| Weight                           | 380 g (0.84 lb)  |

# DS-2CE56C5T-(A)VPIR3

## HD720P Outdoor Vandal Proof IR Dome Camera

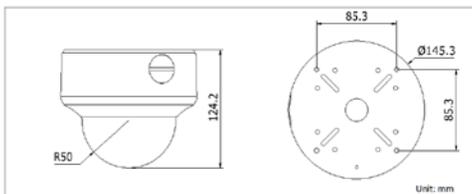
# TURBO HD



### Key features

- 1.37 Megapixel high-performance CMOS
- Analog HD output, up to 720P resolution
- Low illumination
- 2.8 – 12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 40m IR distance
- IP66 weatherproof & vandal proof
- UTC function(Pelco C protocol)
- 24V AC/ 12V DC (-A)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56C5T-AVPIR3  
DS-2CE56C5T-VPIR3

| DS-2CE56C5T-(A)VPIR3             |  |
|----------------------------------|--|
| <b>Camera</b>                    |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1305(H)*1049(V)  |
| Min. Illumination                | 0.001 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter speed                    | PAL: 1/50 s to 1/50,000 s<br>NTSC: 1/60 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4  |
|                                  | Angle of view: 78° - 28°   |
| Lens Mount                       | φ14  |
| Angle Adjustment                 | Pan: 0 - 355°, Tilt: 0 - 80°, Rotation: ± 90°  |
| Day & Night                      | ICR  |
| Synchronization                  | Internal synchronization   |
| Video Frame Rate                 | 720p@50fps/720p@60fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 62dB   |
| <b>Menu</b>                      |  |
| Automatic Exposure               | Globe AE/DWDR  |
| Lens Type                        | Auto Iris/ELC/ELC&ALC  |
| AGC                              | Low/Middle/High/Off  |
| Slow Shutter                     | Support  |
| White Balance                    | Auto/Manual  |
| D/N Mode                         | Color/BW/SMART IR  |
| 3D DNR                           | Low/Middle/Hig h/Off   |
| Motion Detection                 | Support, maximum 4 zones   |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| UTC Function                     | Support  |
| Language                         | English/Chinese  |
| Function                         | Digital Wide Dynamic Range, 3D Digital Noise Reduction, Sharpness, Brightness, Digital Zoom, Mirror, Reset |
| <b>General</b>                   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                                   |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC   |
| Power Consumption                | 12 VDC: Max. 3.5W<br>24 VAC: Max. 5W   |
| Weather Proof Ratings            | IP66   |
| IR Range                         | Up to 40m  |
| Impact Protection                | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10.  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)   |
| Dimensions                       | Φ 145.3 × 124.2 mm (Φ 5.72" × 4.89")   |
| Weight                           | 880 g (1.95 lbs)   |

PTZ DOME

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ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-2CE56D1T-IRMM

## HD1080P Indoor IR Dome Camera

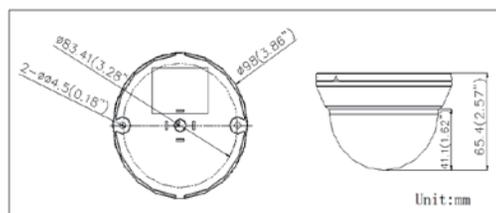
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- Up to 20m IR distance
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D1T-IRMM

| DS-2CE56D1T-IRMM               |   |                                       |
|--------------------------------|---|---------------------------------------|
| Camera                         |   |                                       |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS        |
| Signal System                  | PAL / NTSC  |                                       |
| Effective Pixels               | 1930(H)*1088(V)   |                                       |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |                                       |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |                                       |
| Lens                           | 2.8mm   | 3.6mm (6mm optional)                  |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                     | φ14   |                                       |
| Angle Adjustment               | Pan: 0 - 350°, Tilt: 0 - 70°  |                                       |
| Day & Night                    | ICR   |                                       |
| Synchronization                | Internal synchronization  |                                       |
| Video Frame Rate               | 1080p @ 25fps/1080p @ 30fps   |                                       |
| HD Video Output                | 1 Analog HD output  |                                       |
| S / N Ratio                    | More than 52dB  |                                       |
| Menu                           |   |                                       |
| Camera ID                      | On/off (0-255)  |                                       |
| AGC                            | Support   |                                       |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |                                       |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |                                       |
| Privacy Mask                   | On/ Off, maximum 2 zones  |                                       |
| Motion Detection               | On/ Off, maximum 4 zones  |                                       |
| BLC                            | Support   |                                       |
| Anti-flicker                   | On/off  |                                       |
| Language                       | English/ Chinese  |                                       |
| Function                       | Digital noise reduction, Mirror   |                                       |
| General                        |   |                                       |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |                                       |
| Power Supply                   | 12V DC  |                                       |
| Power Consumption              | Max. 2.5W   |                                       |
| IR Range                       | Up to 20m   |                                       |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |                                       |
| Dimensions                     | Φ 98 x 65.4 mm (Φ 3.86" x 2.57")  |                                       |
| Weight                         | 130 g (0.29 lb)   |                                       |

# DS-2CE56D1T-VPIR

## HD1080P Vandal Proof IR Dome Camera

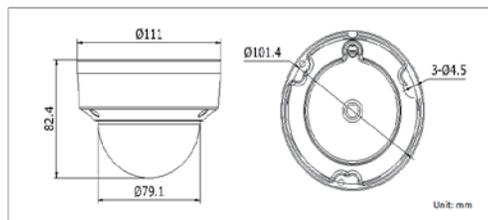
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- Up to 20m IR distance
- Vandal proof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D1T-VPIR

| DS-2CE56D1T-VPIR               |   |                                       |
|--------------------------------|---|---------------------------------------|
| <b>Camera</b>                  |   |                                       |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS        |
| Signal System                  | PAL / NTSC  |                                       |
| Effective Pixels               | 1930(H)*1088(V)   |                                       |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |                                       |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |                                       |
| Lens                           | 2.8mm   | 3.6mm (6mm optional)                  |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                     | φ14   |                                       |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |                                       |
| Day & Night                    | ICR   |                                       |
| Synchronization                | Internal synchronization  |                                       |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |                                       |
| HD Video Output                | 1 Analog HD output  |                                       |
| S / N Ratio                    | More than 52dB  |                                       |
| <b>Menu</b>                    |   |                                       |
| Camera ID                      | On/off (0-255)  |                                       |
| AGC                            | Support   |                                       |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |                                       |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |                                       |
| Privacy Mask                   | On/ Off, maximum 2 zones  |                                       |
| Motion Detection               | On/ Off, maximum 4 zones  |                                       |
| BLC                            | Support   |                                       |
| Anti-flicker                   | On/off  |                                       |
| Language                       | English/ Chinese  |                                       |
| Function                       | Digital noise reduction, Mirror   |                                       |
| <b>General</b>                 |   |                                       |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |                                       |
| Power Supply                   | 12V DC  |                                       |
| Power Consumption              | Max. 3W   |                                       |
| IR Range                       | Up to 20m   |                                       |
| Impact Protection              | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10.                         |                                       |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |                                       |
| Dimensions                     | Φ 111 × 82.4 mm (Φ 4.37" × 3.24")   |                                       |
| Weight                         | 550g (1.21 lbs)   |                                       |

PTZ DOME

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ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

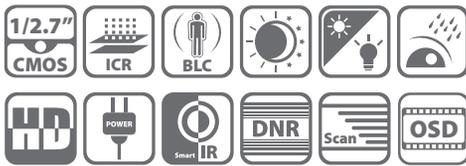
CARD

NETWORK STORAGE

# DS-2CE16D1T-IR

## HD1080P IR Bullet Camera

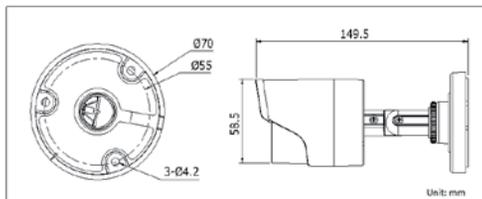
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTVl Technology
- True Day/Night, Smart IR
- 20m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D1T-IR

| DS-2CE16D1T-IR                 |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS   1 / 2.7" Progressive Scan CMOS                                     |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR   |
| Shutter Time                   | 1 / 25(1 / 30) s to 1 / 50,000 s  |
| Lens                           | 2.8mm   3.6mm (6mm optional)<br>Angle of View: 90°(2.8mm)   Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                     | M12   |
| Day & Night                    | ICR   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p@25fps / 1080p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On / off (0-255)  |
| AGC                            | Support   |
| D / N Mode                     | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K  |
| Privacy Mask                   | On / Off, maximum 2 zones   |
| Motion Detection               | On / Off, maximum 4 zones   |
| BLC                            | Support   |
| Anti-flicker                   | On / off  |
| Language                       | English/ Chinese  |
| Functions                      | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                         |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 3W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 20m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)   |
| Dimensions                     | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                         | 360g (0.79 lb)  |

# DS-2CE16D1T-IRP

## HD1080P IR Bullet Camera

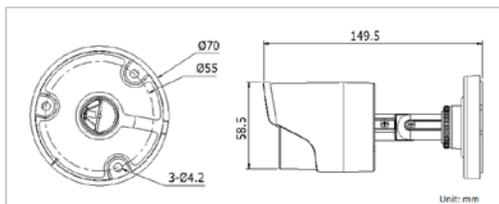
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- 20m IR distance
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D1T-IRP

| DS-2CE16D1T-IRP               |   |
|-------------------------------|---|
| Camera                        |   |
| Image Sensor                  | 1 / 3" Progressive Scan CMOS   1 / 2.7" Progressive Scan CMOS                                     |
| Signal System                 | PAL / NTSC  |
| Effective Pixels              | 1930(H)*1088(V)   |
| Min. Illumination             | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                          | 2.8mm   3.6mm (6mm optional)<br>Angle of View: 90°(2.8mm)   Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                    | M12   |
| Angle Adjustment              | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                   | ICR   |
| Synchronization               | Internal synchronization  |
| Video Frame Rate              | 1080p@25fps / 1080p@30fps   |
| HD Video Output               | 1 Analog HD output  |
| S/N Ratio                     | More than 52dB  |
| Menu                          |   |
| Camera ID                     | On / off (0-255)  |
| AGC                           | Support   |
| D / N Mode                    | Color/ BW/ Auto/ EXT  |
| White Balance                 | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K  |
| Privacy Mask                  | On / Off, maximum 2 zones   |
| Motion Detection              | On / Off, maximum 4 zones   |
| BLC                           | Support   |
| Anti-flicker                  | On / off  |
| Language                      | English/ Chinese  |
| Functions                     | Digital noise reduction, Mirror   |
| General                       |   |
| Working Temperature/ Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)                         |
| Power Supply                  | 12 VDC  |
| Power Consumption             | Max. 3W   |
| IR Range                      | Up to 20m   |
| Communication                 | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)   |
| Dimensions                    | Φ 70×149.5 mm (Φ 2.76" ×5.89")  |
| Weight                        | 290g (0.64 lb)  |

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# DS-2CE56D1T-IRP

## HD1080P IR Turret Camera

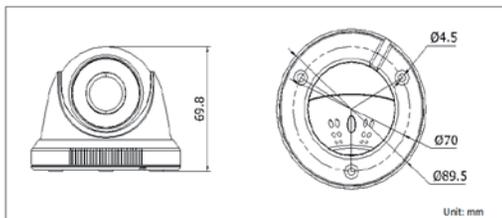
**TURBO HD**



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- Up to 20m IR distance
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D1T-IRP

| DS-2CE56D1T-IRP                |   |                                       |
|--------------------------------|---|---------------------------------------|
| <b>Camera</b>                  |   |                                       |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS        |
| Signal System                  | PAL / NTSC  |                                       |
| Effective Pixels               | 1930(H)*1088(V)   |                                       |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |                                       |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |                                       |
| Lens                           | 2.8mm   | 3.6mm (6mm optional)                  |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                     | φ14   |                                       |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |                                       |
| Day & Night                    | ICR   |                                       |
| Synchronization                | Internal synchronization  |                                       |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |                                       |
| HD Video Output                | 1 Analog HD output  |                                       |
| S / N Ratio                    | More than 52dB  |                                       |
| <b>Menu</b>                    |   |                                       |
| Camera ID                      | On / off (0-255)  |                                       |
| AGC                            | Support   |                                       |
| D / N Mode                     | Color/ BW/ Auto/ EXT  |                                       |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |                                       |
| Privacy Mask                   | On / Off, maximum 2 zones   |                                       |
| Motion Detection               | On / Off, maximum 4 zones   |                                       |
| BLC                            | Support   |                                       |
| Anti-flicker                   | On / off  |                                       |
| Language                       | English/ Chinese  |                                       |
| Functions                      | Digital noise reduction, Mirror   |                                       |
| <b>General</b>                 |   |                                       |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |                                       |
| Power Supply                   | 12 VDC  |                                       |
| Power Consumption              | Max. 3W   |                                       |
| IR Range                       | Up to 20m   |                                       |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |                                       |
| Dimensions                     | Φ 89.5 × 69.8 mm (Φ 3.52" × 2.75")  |                                       |
| Weight                         | 180 g (0.40 lb)   |                                       |

# DS-2CE56D1T-IR

## HD1080P IR Turret Camera

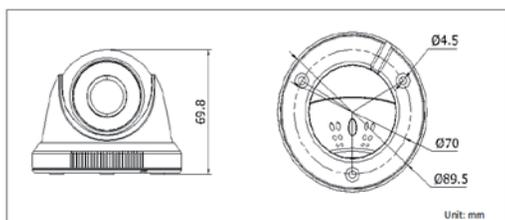
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- Up to 20m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D1T-IR

| DS-2CE56D1T-IR                 |   |                                       |
|--------------------------------|---|---------------------------------------|
| Camera                         |   |                                       |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS        |
| Signal System                  | PAL / NTSC  |                                       |
| Effective Pixels               | 1930(H)*1088(V)   |                                       |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR                                     |                                       |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |                                       |
| Lens                           | 2.8mm   | 3.6mm (6mm optional)                  |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm) |
| Lens Mount                     | φ14   |                                       |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |                                       |
| Day & Night                    | ICR   |                                       |
| Synchronization                | Internal synchronization  |                                       |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |                                       |
| HD Video Output                | 1 Analog HD output  |                                       |
| S / N Ratio                    | More than 52dB  |                                       |
| Menu                           |   |                                       |
| Camera ID                      | On/off (0-255)  |                                       |
| AGC                            | Support   |                                       |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |                                       |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |                                       |
| Privacy Mask                   | On/ Off, maximum 2 zones  |                                       |
| Motion Detection               | On/ Off, maximum 4 zones  |                                       |
| BLC                            | Support   |                                       |
| Anti-flicker                   | On/off  |                                       |
| Language                       | English/ Chinese  |                                       |
| Function                       | Digital noise reduction, Mirror   |                                       |
| General                        |   |                                       |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |                                       |
| Power Supply                   | 12 VDC  |                                       |
| Power Consumption              | Max. 3W   |                                       |
| Weather Proof Ratings          | IP66  |                                       |
| IR Range                       | Up to 20m   |                                       |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |                                       |
| Dimensions                     | Φ 89.5 × 69.8 mm (Φ 3.52" × 2.75")  |                                       |
| Weight                         | 400g (0.88 lb)  |                                       |

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# DS-2CE56D1T-IRM

## HD1080P IR Turret Camera

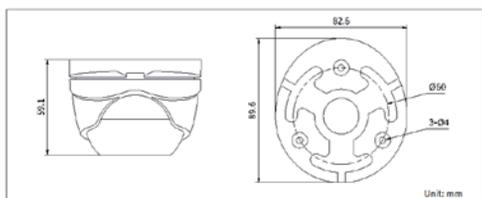
**TURBO HD**



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- 20m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Indoor / outdoor wall mount  
DS-127ZJ-110-TRS



Video balun  
DS-1H18

| DS-2CE56D1T-IRM                |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS   1 / 2.7" Progressive Scan CMOS             |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @(F1.2,AGC ON), 0 Lux with IR                                     |
| Shutter Time                   | 1 / 25(1 / 30) s to 1 / 50,000 s  |
| Lens                           | 2.8mm   3.6mm (6mm optional)  |
|                                | Angle of View: 90°(2.8mm)   Angle of View: 80°(3.6mm), 55.4°(6mm)         |
| Lens Mount                     | M12   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p@25fps / 1080p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On / off (0-255)  |
| AGC                            | Support   |
| D / N Mode                     | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |
| Privacy Mask                   | On / Off, maximum 2 zones   |
| Motion Detection               | On / Off, maximum 4 zones   |
| BLC                            | Support   |
| Anti-flicker                   | On / off  |
| Language                       | English/ Chinese  |
| Functions                      | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing) |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 3W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 20m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |
| Dimensions                     | 89.6 × 59.1 mm (3.53" × 2.33")  |
| Weight                         | 400g (0.88 lb)  |

### Available models

DS-2CE56D1T-IRM

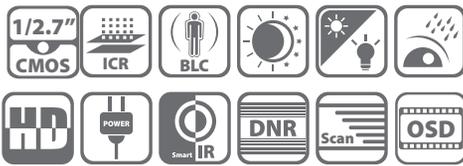
# DS-2CE16D1T-IT1/IT3/IT5

## HD1080P EXIR Bullet Camera

# TURBO HD



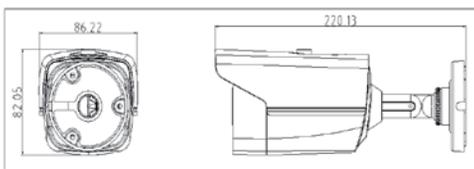
## EXIR



### Key features

- HD1080P Video Output
- Adopt HDTVl Technology
- True Day/Night, Smart IR
- EXIR technology, 20/40/80m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D1T-IT1  
DS-2CE16D1T-IT3  
DS-2CE16D1T-IT5

|                                | DS-2CE16D1T-IT1   | DS-2CE16D1T-IT3                       | DS-2CE16D1T-IT5   |
|--------------------------------|---|---------------------------------------|---|
| <b>Camera</b>                  |   |                                       |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS        | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |                                       |   |
| Effective Pixels               | 1930(H)*1088(V)   |                                       |   |
| Min. Illumination              | 0.1 Lux @(F1.2,AGC ON), 0 Lux with IR                                     |                                       |   |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |                                       |   |
| Lens                           | 2.8mm   | 3.6mm (6mm optional)                  | 3.6mm (6mm, 8mm, 12mm, 16mm optional)                                       |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm) | Angle of View: 80°(3.6mm), 55.4°(6mm), 41.6°(8mm), 26.6°(12mm), 20.6°(16mm) |
| Lens Mount                     | M12   |                                       |   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°                          |                                       |   |
| Day & Night                    | ICR   |                                       |   |
| Synchronization                | Internal synchronization  |                                       |   |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |                                       |   |
| HD Video Output                | 1 Analog HD output  |                                       |   |
| S / N Ratio                    | More than 52dB  |                                       |   |
| <b>Menu</b>                    |   |                                       |   |
| Camera ID                      | On/off (0-255)  |                                       |   |
| AGC                            | Support   |                                       |   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |                                       |   |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |                                       |   |
| Privacy Mask                   | On/Off, maximum 2 zones   |                                       |   |
| Motion Detection               | On/Off, maximum 4 zones   |                                       |   |
| BLC                            | Support   |                                       |   |
| Anti-flicker                   | On/off  |                                       |   |
| Language                       | English/ Chinese  |                                       |   |
| Function                       | Digital noise reduction, Mirror   |                                       |   |
| <b>General</b>                 |   |                                       |   |
| Working Temperature / Humidity | -40 °C – 60 °C (-40 °F – 140 °F)<br>Humidity 90% or less (non-condensing) |                                       |   |
| Power Supply                   | 12 VDC  |                                       |   |
| Power Consumption              | Max. 3W   |                                       | Max. 4.5W   |
| Weather Proof Ratings          | IP66  |                                       |   |
| IR Range                       | Up to 20m   | Up to 40m                             | Up to 80m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |                                       |   |
| Dimensions                     | 86.22x82.05x220.13mm(3.39" x3.23" x8.67")                                 |                                       |   |
| Weight                         | 430 g (0.95 lb)   |                                       |   |

# DS-2CE56D1T-IT1/IT3

## HD1080P EXIR Turret Camera

# TURBO HD



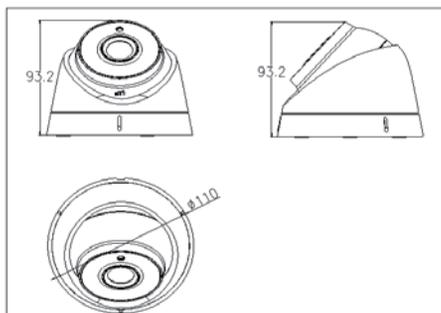
## EXIR



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- EXIR technology, 20/40m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Indoor / outdoor wall mount  
DS-1272ZJ-110

Video balun  
DS-1H18

### Available models

DS-2CE56D1T-IT1  
DS-2CE56D1T-IT3

|                                | DS-2CE56D1T-IT1   | DS-2CE56D1T-IT3   |
|--------------------------------|---|---|
| <b>Camera</b>                  |   |   |
| Image Sensor                   | 1 / 3" Progressive Scan CMOS  | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |   |
| Effective Pixels               | 1930(H)*1088(V)   |   |
| Min. Illumination              | 0.1 Lux @(F1.2,AGC ON), 0 Lux with IR                                     |   |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |   |
| Lens                           | 2.8mm   | 3.6mm (6mm, 8mm optional)   |
|                                | Angle of View: 90°(2.8mm)   | Angle of View: 80°(3.6mm), 55.4°(6mm), 41.6°(8mm)                           |
|                                |   | 3.6mm (6mm, 8mm, 12mm, 16mm optional)                                       |
|                                |   | Angle of View: 80°(3.6mm), 55.4°(6mm), 41.6°(8mm), 26.6°(12mm), 20.6°(16mm) |
| Lens Mount                     | M12   |   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                          |   |
| Day & Night                    | ICR   |   |
| Synchronization                | Internal synchronization  |   |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |   |
| HD Video Output                | 1 Analog HD output  |   |
| S / N Ratio                    | More than 52dB  |   |
| <b>Menu</b>                    |   |   |
| Camera ID                      | On/off (0-255)  |   |
| AGC                            | Support   |   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |   |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                              |   |
| Privacy Mask                   | On/Off, maximum 2 zones   |   |
| Motion Detection               | On/Off, maximum 4 zones   |   |
| BLC                            | Support   |   |
| Anti-flicker                   | On/off  |   |
| Language                       | English/Chinese   |   |
| Function                       | Digital noise reduction, Mirror   |   |
| <b>General</b>                 |   |   |
| Working Temperature / Humidity | -40 °C – 60 °C (-40 °F – 140 °F)<br>Humidity 90% or less (non-condensing) |   |
| Power Supply                   | 12 VDC  |   |
| Power Consumption              | Max. 3W   |   |
| Weather Proof Ratings          | IP66  |   |
| IR Range                       | Up to 20m   | Up to 40m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                           |   |
| Dimensions                     | Φ 110 × 93.2 mm(Φ 4.33" × 3.67")  |   |
| Weight                         | 260g (0.57 lb)  |   |

# DS-2CE16D1T-(A)V FIR3

## HD1080P Outdoor Vari-focal IR Bullet Camera

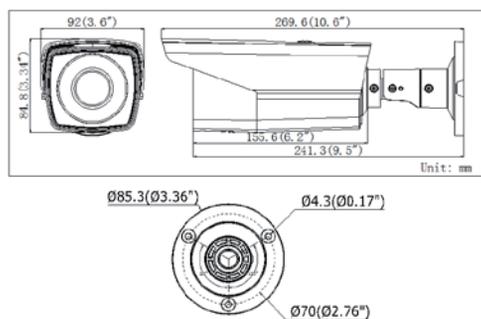
**TURBO HD**



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 40m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC
- Dual voltage (DS-2CE16D1T-AV FIR3)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

- DS-2CE16D1T-V FIR3
- DS-2CE16D1T-AV FIR3

| DS-2CE16D1T-(A)V FIR3          |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON),0 Lux with IR |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 102° - 35°   |
| Lens Mount                     | φ14   |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p @ 25fps/1080p @ 30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On/off (0-255)  |
| AGC                            | Support   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                                    |
| Privacy Mask                   | On/ Off, maximum 2 zones  |
| Motion Detection               | On/ Off, maximum 4 zones  |
| BLC                            | Support   |
| Anti-flicker                   | On/off  |
| Language                       | English/ Chinese  |
| Function                       | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)       |
| Power Supply                   | 12 VDC ;<br>-A: 12 VDC, 24 VAC  |
| Power Consumption              | Max. 5W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 40m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                                 |
| Dimensions                     | 92 × 84.8 × 269.6mm(3.62" × 3.34" × 10.6")                                      |
| Weight                         | 690g (1.52 lbs)   |

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# DS-2CE56D1T-VFIR3

## HD1080P Outdoor Vari-focal IR Turret Camera

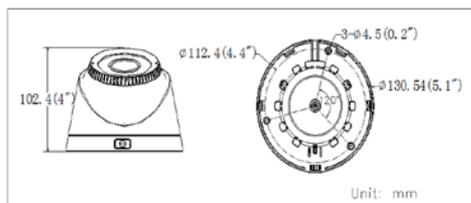
**TURBO HD**



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 40m IR distance
- IP66 weatherproof
- OSD menu controlled via UTC

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

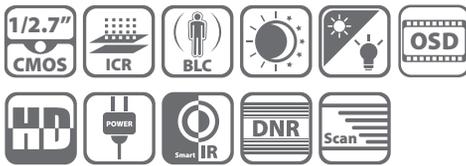
DS-2CE56D1T-VFIR3

| DS-2CE56D1T-VFIR3              |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON),0 Lux with IR |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4<br>Angle of view: 102° - 35°                                    |
| Lens Mount                     | φ14   |
| Angle Adjustment               | Pan: 0 - 360°, Tilt: 0 - 75°, Rotation: 0 - 360°                                |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On/off (0-255)  |
| AGC                            | Support   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                                    |
| Privacy Mask                   | On/ Off, maximum 2 zones  |
| Motion Detection               | On/ Off, maximum 4 zones  |
| BLC                            | Support   |
| Anti-flicker                   | On/off  |
| Language                       | English/ Chinese  |
| Function                       | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C - 60 °C (-40 °F - 140 °F)<br>Humidity 90% or less (non-condensing)       |
| Power Supply                   | 12 VDC  |
| Power Consumption              | Max. 4W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 40m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                                 |
| Dimensions                     | Φ 130.54 × 102.4 mm (Φ 5.1" × 4")   |
| Weight                         | 410g (0.90 lb)  |

# DS-2CE56D1T-(A)V FIR

## HD1080P Indoor Vari-focal IR Dome Camera

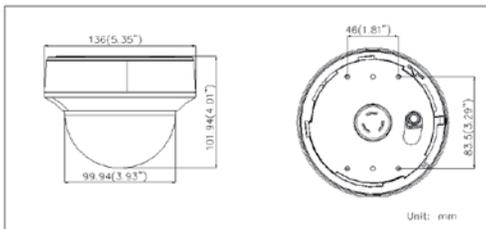
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 30m IR distance
- OSD menu controlled via UTC
- Dual voltage (DS-2CE56D1T-AV FIR)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D1T-V FIR  
DS-2CE56D1T-AV FIR

| DS-2CE56D1T-(A)V FIR           |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @ (F1.2, AGC ON), 0 Lux with IR<br>0.14 Lux @ (F1.4, AGC ON), 0 Lux with IR |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 102° - 35°   |
| Lens Mount                     | φ14   |
| Angle Adjustment               | Pan: 0 - 340°, Tilt: 0 - 90°, Rotation: 0 - 355°                                    |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On/off (0-255)  |
| AGC                            | Support   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K  |
| Privacy Mask                   | On/Off, maximum 2 zones   |
| Motion Detection               | On/Off, maximum 4 zones   |
| BLC                            | Support   |
| Anti-flicker                   | On/off  |
| Language                       | English/ Chinese  |
| Function                       | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C – 60 °C (-40 °F – 140 °F)<br>Humidity 90% or less (non-condensing)           |
| Power Supply                   | 12 VDC ;<br>-A: 12 VDC, 24 VAC  |
| Power Consumption              | Max. 4W   |
| IR Range                       | Up to 30m   |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                                     |
| Dimensions                     | Φ 136 × 101mm (Φ 5.35" × 3.98")   |
| Weight                         | 380g (0.84 lb)  |

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# DS-2CE56D1T-(A)VPIR3

## HD1080P Outdoor Vandal Proof IR Dome Camera

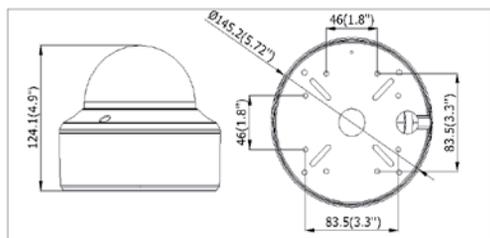
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV I Technology
- True Day/Night, Smart IR
- 2.8 - 12mm vari-focal lens
- Up to 40m IR distance
- IP66 weatherproof & Vandal Proof
- OSD menu controlled via UTC
- Dual voltage (DS-2CE56D1T-AVPIR3)

### Dimensions



| DS-2CE56D1T-(A)VPIR3           |   |
|--------------------------------|---|
| <b>Camera</b>                  |   |
| Image Sensor                   | 1 / 2.7" Progressive Scan CMOS  |
| Signal System                  | PAL / NTSC  |
| Effective Pixels               | 1930(H)*1088(V)   |
| Min. Illumination              | 0.1 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.14 Lux @ (F1.4,AGC ON),0 Lux with IR |
| Shutter speed                  | 1/25(1/30) s to 1/50,000 s  |
| Lens                           | 2.8-12mm @ F1.4   |
|                                | Angle of view: 102° - 35°   |
| Lens Mount                     | φ14   |
| Angle Adjustment               | Pan: 0 - 355°, Tilt: 0 - 90°, Rotation: 0-355°                                  |
| Day & Night                    | ICR   |
| Synchronization                | Internal synchronization  |
| Video Frame Rate               | 1080p@25fps/1080p@30fps   |
| HD Video Output                | 1 Analog HD output  |
| S / N Ratio                    | More than 52dB  |
| <b>Menu</b>                    |   |
| Camera ID                      | On/off (0-255)  |
| AGC                            | Support   |
| D/N Mode                       | Color/ BW/ Auto/ EXT  |
| White Balance                  | Auto/ User/ Push/ 8000K/ 6000K/ 4200K/ 3000K                                    |
| Privacy Mask                   | On/Off, maximum 2 zones   |
| Motion Detection               | On/Off, maximum 4 zones   |
| BLC                            | Support   |
| Anti-flicker                   | On/ off   |
| Language                       | English/ Chinese  |
| Function                       | Digital noise reduction, Mirror   |
| <b>General</b>                 |   |
| Working Temperature / Humidity | -40 °C – 60 °C (-40 °F – 140 °F)<br>Humidity 90% or less (non-condensing)       |
| Power Supply                   | 12 VDC ;<br>-A: 12 VDC, 24 VAC  |
| Power Consumption              | Max. 4W   |
| Weather Proof Ratings          | IP66  |
| IR Range                       | Up to 40m   |
| Impact Protection              | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10.                               |
| Communication                  | Up the coax<br>Protocol: HIKVISION-C(Coaxitron)                                 |
| Dimensions                     | Φ 145.2 × 124.1 mm (Φ 5.72" × 4.9")   |
| Weight                         | 880g (1.95 lbs)   |

### Accessories



Video balun  
DS-1H18

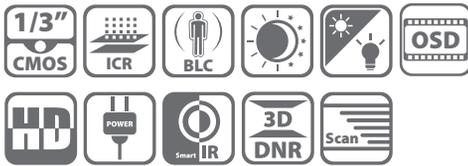
### Available models

- DS-2CE56D1T-AVPIR3
- DS-2CE56D1T-VPIR3

# DS-2CC12D9T(-A)

## HD1080P Box Camera

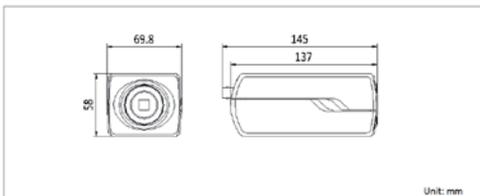
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTVI Technology
- True Day/Night
- 3D DNR, Smart IR
- True WDR, up to 120dB
- OSD menu controlled via UTC
- Alarm input & Output (DS-2CC12D9T-A)
- Dual voltage (DS-2CC12D9T-A)

### Dimensions



### Accessories



### Lens



### Available models

DS-2CC12D9T  
DS-2CC12D9T-A

| DS-2CC12D9T(-A)                  |  |
|----------------------------------|--|
| Camera                           |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS   |
| Signal System                    | PAL/NTSC   |
| Effective Pixels                 | 1920(H)*1080(V)  |
| Min. Illumination                | Color : 0.01 Lux @(F1.2,AGC ON)<br>B/W : 0.001 Lux @(F1.2,AGC ON)  |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s   |
| Lens Mount                       | C/CS mount   |
| Auto-iris                        | ICR  |
| Synchronization                  | Internal synchronization   |
| WDR                              | 120dB  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps  |
| HD Video Output                  | 1 Analog HD output   |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)  |
| S/N Ratio                        | More than 52dB   |
| Menu                             |  |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT  |
| Camera ID                        | On/off (15 characters, position programmable)  |
| AGC                              | Support  |
| D/N Mode                         | Color/BW/EXT   |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual  |
| Privacy Mask                     | On/Off, maximum 8 zones  |
| Motion Detection                 | On/Off, maximum 4 zones  |
| BLC                              | Support  |
| Anti-flicker                     | On/off   |
| Language                         | nglish, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                |
| General                          |  |
| Working Temperature/<br>Humidity | -30 °C – 60 °C (-22 °F – 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC;<br>-A: 24 VAC, 12 VDC  |
| Power Consumption                | Max. 3.5W  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)   |
| Dimensions                       | 69.8×58×145 mm (2.68" × 2.56" × 5.70")   |
| Weight                           | 830g (1.83 lbs)  |

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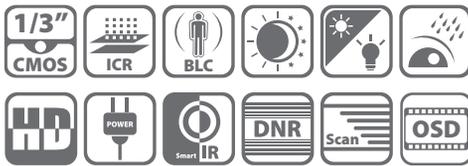
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# DS-2CE16D5T-IR

## HD1080P IR Bullet Camera

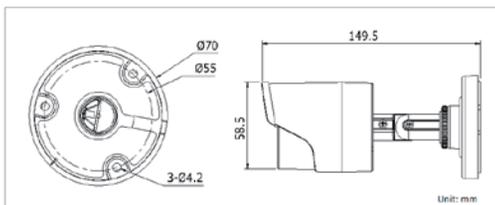
**TURBO HD**



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- 20m IR distance
- IP66 weatherproof
- Up the Coax(via coaxial cable)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D5T-IR

| DS-2CE16D5T-IR                   |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.014 Lux @ (F1.4,AGC ON),0 Lux with IR   |
| Shutter Time                     | 1/25 s to 1/50,000 s  |
| Lens                             | 3.6mm (6mm optional)<br>Angle of View: 80.9°(3.6mm), 54.3°(6mm)   |
| Lens Mount                       | M12   |
| Day & Night                      | ICR   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 4W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 20m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | Φ 70×149.5mm (Φ 2.76" ×5.89")   |
| Weight                           | 360g (0.79 lb)  |

# DS-2CE56D5T-IRM

## HD1080P IR Turret Camera

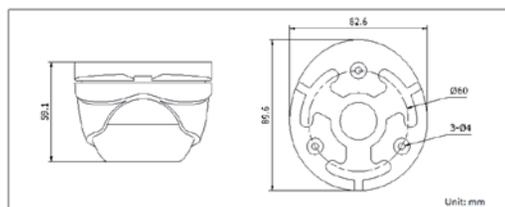
# TURBO HD



### Key features

- HD1080P Video Output
- Adopt HDTV Technology
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- 20m IR distance
- IP66 weatherproof
- Up the Coax(via coaxial cable)

### Dimensions



### Accessories



Indoor/outdoor wall mount  
DS-1272ZJ-110-TRS

Video balun  
DS-1H18

### Available models

DS-2CE56D5T-IRM

| DS-2CE56D5T-IRM                  |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm optional)<br>Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm)   |
| Lens Mount                       | M12   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 4W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 20m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | 89.6 × 59.1mm (3.53" × 2.33")   |
| Weight                           | 400g (0.88 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

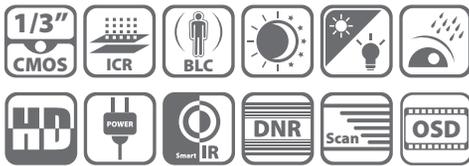
# DS-2CE16D5T-IT1/IT3

## HD1080P EXIR Bullet Camera

# TURBO HD



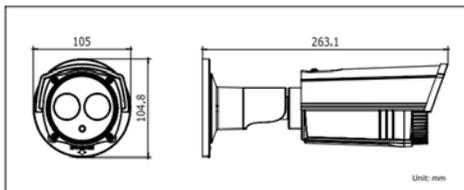
## EXIR



### Key features

- HD1080P Video Output
- Adopt HDTVl Technology
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, 20/40m IR distance
- IP66 weatherproof
- Up the Coax(via coaxial cable)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D5T-IT1  
DS-2CE16D5T-IT3

|                                  | DS-2CE16D5T-IT1   | DS-2CE16D5T-IT3  |
|----------------------------------|---|--|
| <b>Camera</b>                    |   |  |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |  |
| Signal System                    | PAL/NTSC  |  |
| Effective Pixels                 | 1920(H)*1080(V)   |  |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |  |
| Shutter Time                     | 1/25 s to 1/50,000 s  |  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                                  | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm)  | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(16mm) |
| Lens Mount                       | M12   |  |
| Day & Night                      | ICR   |  |
| Synchronization                  | Internal synchronization  |  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |  |
| HD Video Output                  | 1 Analog HD output  |  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |  |
| S/N Ratio                        | More than 52dB  |  |
| WDR                              | 120dB   |  |
| <b>Menu</b>                      |   |  |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |  |
| Camera ID                        | On/off (15 characters, position programmable)   |  |
| AGC                              | Support   |  |
| D/N Mode                         | Color/BW/EXT  |  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |  |
| Privacy Mask                     | On/Off, maximum 8 zones   |  |
| Motion Detection                 | On/Off, maximum 4 zones   |  |
| BLC                              | Support   |  |
| Anti-flicker                     | On/off  |  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |  |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |  |
| <b>General</b>                   |   |  |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |  |
| Power Supply                     | 12 VDC  |  |
| Power Consumption                | Max. 4W   |  |
| Weather Proof Ratings            | IP66  |  |
| IR Range                         | Up to 20m   | Up to 40m  |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |  |
| Dimensions                       | 94.6×83×210.8mm(3.72"×3.27"×8.30")  |  |
| Weight                           | 700g (1.54 lbs)   |  |

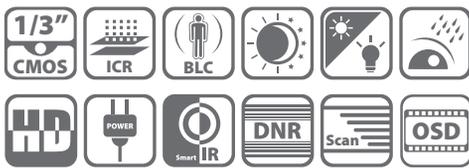
# DS-2CE16D5T-IT5

## HD1080P EXIR Bullet Camera

**TURBO HD**



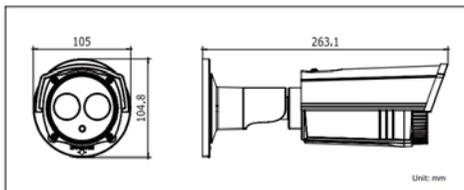
**EXIR**



### Key features

- HD1080P Video Output
- Adopt HDTVl Technology
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, 80m IR distance
- IP66 weatherproof
- Up the Coax(via coaxial cable)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D5T-IT5

| DS-2CE16D5T-IT5                  |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |
| Shutter Time                     | 1/25 s to 1/50,000 s  |
| Lens                             | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)  |
|                                  | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(16mm)  |
| Lens Mount                       | M12   |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| WDR                              | 120dB   |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 5W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 80m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | 105×104.8×263.1mm(4.13" ×4.13" ×10.36")   |
| Weight                           | 800g (1.76 lbs)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

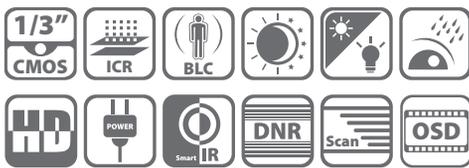
CARD

NETWORK STORAGE

# DS-2CE56D5T-(A)VPIR3

## HD1080P Outdoor Vandal Proof IR Dome Camera

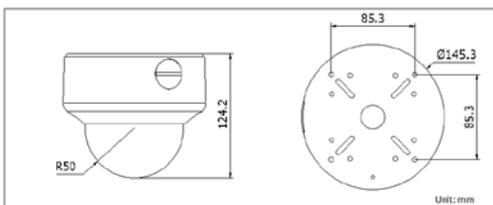
# TURBO HD



### Key features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8 – 12mm lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 40m IR distance
- IP66 weatherproof & vandal proof
- UTC function(Pelco C protocol)
- 24V AC/ 12V DC (-A)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

- DS-2CE56D5T-AVPIR3
- DS-2CE56D5T-VPIR3

| DS-2CE56D5T-(A)VPIR3             |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.014 Lux @ (F1.4,AGC ON),0 Lux with IR   |
| Shutter Time                     | 1/25 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 92° - 32°   |
| Lens Mount                       | φ14   |
| Angle Adjustment                 | Pan: 0 - 355°, Tilt: 0 - 180°, Rotation: 0 - 355°   |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC  |
| Power Consumption                | 12V DC: Max. 4.5W<br>24V AC: Max. 6.5W  |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 40m   |
| Impact Protection                | IEC60068-2-75 test, Eh, 20J; EN50102, up to IK10.   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | Φ 145.3 × 124.2mm (Φ 5.72" × 4.89")   |
| Weight                           | 880g (1.95 lbs)   |

# DS-2CE56D5T-IT1/IT3

## HD1080P EXIR Turret Camera

# TURBO HD



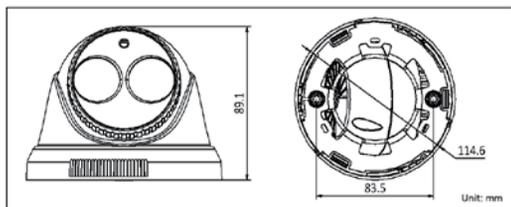
## EXIR



### Key features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 20/40m IR distance
- IP66 weatherproof & vandal proof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



### Available models

DS-2CE56D5T-IT1  
DS-2CE56D5T-IT3

|                               | DS-2CE56D5T-IT1   | DS-2CE56D5T-IT3  |
|-------------------------------|---|--|
| <b>Camera</b>                 |   |  |
| Image Sensor                  | 1/3" Progressive Scan CMOS  |  |
| Signal System                 | PAL/NTSC  |  |
| Effective Pixels              | 1920(H)*1080(V)   |  |
| Min. Illumination             | 0.01 Lux @(F1.2,AGC ON), 0 Lux with IR  |  |
| Shutter Time                  | 1/25(1/30) s to 1/50,000 s  |  |
| Lens                          | 3.6mm (2.8mm, 6mm, 8mm optional)  | 3.6mm (2.8mm, 6mm, 8mm, 12mm, 16mm optional)   |
|                               | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm)  | Angle of View: 80.9°(3.6mm), 103.5°(2.8mm), 54.3°(6mm), 38°(8mm), 24.3°(12mm), 18.9°(16mm) |
| Lens Mount                    | M12   |  |
| Angle Adjustment              | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |  |
| Day & Night                   | ICR   |  |
| Synchronization               | Internal synchronization  |  |
| Video Frame Rate              | 1080p@25fps/1080p@30fps   |  |
| HD Video Output               | 1 Analog HD output  |  |
| CVBS Output                   | 1Vp-p Composite Output(75Ω/BNC)   |  |
| S/N Ratio                     | More than 52dB  |  |
| WDR                           | 120dB   |  |
| <b>Menu</b>                   |   |  |
| Scene                         | Indoor, Outdoor, Indoor1, LOW-LIGHT   |  |
| Camera ID                     | On/off (15 characters, position programmable)   |  |
| AGC                           | Support   |  |
| D/N Mode                      | Color/BW/EXT  |  |
| White Balance                 | ATW, AWC-SET, Indoor, Outdoor, Manual   |  |
| Privacy Mask                  | On/Off, maximum 8 zones   |  |
| Motion Detection              | On/Off, maximum 4 zones   |  |
| BLC                           | Support   |  |
| Anti-flicker                  | On/off  |  |
| Language                      | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |  |
| Functions                     | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |  |
| <b>General</b>                |   |  |
| Working Temperature/ Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |  |
| Power Supply                  | 12 VDC  |  |
| Power Consumption             | Max. 4W   |  |
| Weather Proof Ratings         | IP66  |  |
| IR Range                      | Up to 20m   | Up to 40m  |
| Communication                 | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |  |
| Dimensions                    | Φ 114.6 × 89.1mm(Φ 4.5" × 3.5")   |  |
| Weight                        | 300g (0.66 lb)  |  |

# DS-2CE16D5T-(A)VFIT3

## HD1080P EXIR Vari-focal Bullet Camera

# TURBO HD



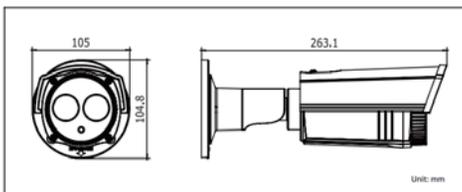
## EXIR



### Key features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8-12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR vari-focal technology, up to 50m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE16D5T-VFIT3  
DS-2CE16D5T-AVFIT3

| DS-2CE16D5T-(A)VFIT3             |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.014 Lux @ (F1.4,AGC ON),0 Lux with IR   |
| Shutter Time                     | 1/25 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 92° - 32°   |
| Lens Mount                       | φ14   |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC  |
| Power Consumption                | 12V DC: Max. 7W<br>24V AC: Max. 10W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 50m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | 300.82×100.76×107.55mm(11.84" ×3.97" ×4.23")  |
| Weight                           | 700g (1.54 lbs)   |

# DS-2CE56D5T-VFIT3

## HD1080P EXIR Vari-focal Turret Camera

# TURBO HD



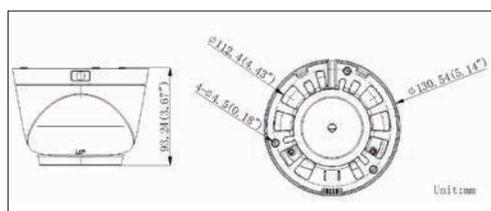
## EXIR



### Key features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8-12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- EXIR technology, up to 50m IR distance
- IP66 weatherproof
- UTC function(Pelco C protocol)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D5T-VFIT3

| DS-2CE56D5T-VFIT3                |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.014 Lux @ (F1.4,AGC ON),0 Lux with IR   |
| Shutter Time                     | 1/25(1/30) s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4<br>Angle of view: 92° - 32°   |
| Lens Mount                       | φ14   |
| Angle Adjustment                 | Pan: 0 - 360°, Tilt: 0 - 90°, Rotation: 0 - 360°  |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC  |
| Power Consumption                | Max. 7W   |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 50m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | Φ 130.54 × 93.24mm (Φ 5.14" × 3.67")  |
| Weight                           | 300g (0.66 lb)  |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

VIDEO ENCODER

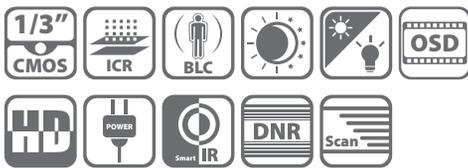
CARD

NETWORK STORAGE

# DS-2CE56D5T-(A)V FIR

## HD1080P Indoor Vari-focal IR Dome Camera

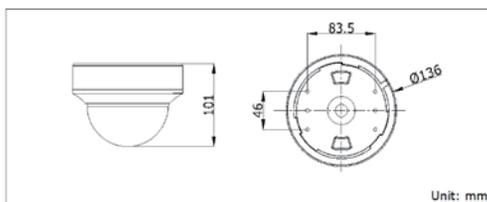
**TURBO HD**



### Key features

- 2 Megapixel high-performance CMOS
- Analog HD output, up to 1080P resolution
- 2.8 – 12mm vari-focal lens
- True Day/Night
- OSD menu, 3D DNR, Smart IR
- Up to 30m IR distance
- UTC function(Pelco C protocol)
- 24V AC/ 12V DC (-A)

### Dimensions



### Accessories



Video balun  
DS-1H18

### Available models

DS-2CE56D5T-VFIR  
DS-2CE56D5T-AVFIR

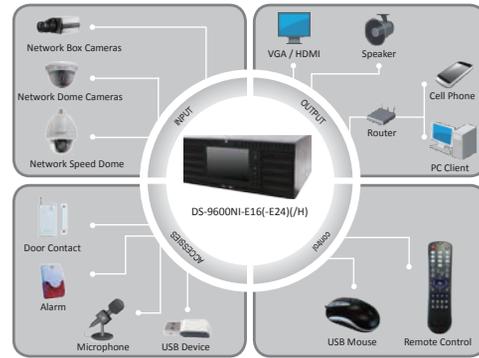
| DS-2CE56D5T-(A)V FIR             |   |
|----------------------------------|---|
| <b>Camera</b>                    |   |
| Image Sensor                     | 1/3" Progressive Scan CMOS  |
| Signal System                    | PAL/NTSC  |
| Effective Pixels                 | 1920(H)*1080(V)   |
| Min. Illumination                | 0.01 Lux @ (F1.2,AGC ON),0 Lux with IR<br>0.014 Lux @ (F1.4,AGC ON),0 Lux with IR   |
| Shutter Time                     | 1/25 s to 1/50,000 s  |
| Lens                             | 2.8-12mm @ F1.4   |
|                                  | Angle of view: 92° - 32°  |
| Lens Mount                       | φ14   |
| Angle Adjustment                 | Pan: 0 - 355°, Tilt: 0 - 180°, Rotation: 0 - 355°   |
| Day & Night                      | ICR   |
| Synchronization                  | Internal synchronization  |
| Video Frame Rate                 | 1080p@25fps/1080p@30fps   |
| HD Video Output                  | 1 Analog HD output  |
| CVBS Output                      | 1Vp-p Composite Output(75Ω/BNC)   |
| S/N Ratio                        | More than 52dB  |
| <b>Menu</b>                      |   |
| Scene                            | Indoor, Outdoor, Indoor1, LOW-LIGHT   |
| Camera ID                        | On/off (15 characters, position programmable)   |
| AGC                              | Support   |
| D/N Mode                         | Color/BW/EXT  |
| White Balance                    | ATW, AWC-SET, Indoor, Outdoor, Manual   |
| Privacy Mask                     | On/Off, maximum 8 zones   |
| Motion Detection                 | On/Off, maximum 4 zones   |
| BLC                              | Support   |
| Anti-flicker                     | On/off  |
| Language                         | English, Japanese, CHN1, CHN2, Korean, German, French, Italian, Spanish, Polish, Russian, Portuguese, Dutch, Turkish, Hebrew and Arabic |
| Functions                        | Eclipse, Digital noise reduction, Digital zoom(62x), Slow shutter, Mirror, Defog, Defect pixel correction, SMART D-ZOOM                 |
| <b>General</b>                   |   |
| Working Temperature/<br>Humidity | -20 °C - 60 °C (-4 °F - 140 °F)<br>Humidity 90% or less (non-condensing)  |
| Power Supply                     | 12 VDC<br>-A: 12 VDC, 24 VAC  |
| Power Consumption                | 12V DC: Max. 4.5W<br>24V AC: Max. 6.5W  |
| Weather Proof Ratings            | IP66  |
| IR Range                         | Up to 30m   |
| Communication                    | Up the coax(need UTC controller)<br>Protocol: Pelco-C(Coaxitron)  |
| Dimensions                       | Φ 136 × 101mm (Φ 5.35" × 3.98")   |
| Weight                           | 380g (0.84 lb)  |



NVR

# DS-96128/256NI-E16(-E24)(/H)

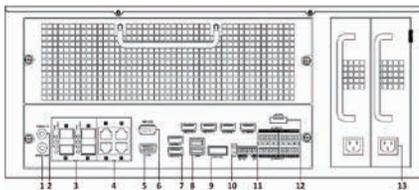
## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 8 Megapixels resolution recording
- Support up to 6-ch HDMI, 1-ch VGA at up to 1920×1080P and 1 LCD touch screen simultaneous outputs
- Up to 128/256 IP cameras can be connected with 320M/640M incoming bandwidth
- Up to 24 SATA interfaces
- Support redundant power supply to improve the system stability
- Supports HDD hot swap with RAID0,1,5,10 storage scheme configurable

### Rear Panel of DS-96256NI-E24(/H)



1. AUDIO OUT
2. AUDIO IN
3. 4 Fiber Optic Interfaces
4. 4 LAN Network Interfaces
5. VGA Interface
6. RS-232 Serial Interface
7. HDMI Interfaces
8. USB 3.0 Interfaces
9. miniSAS Interface
10. Termination Switch
11. RS-485 Serial Interface, Keyboard Interface,
12. eSATA Interface
13. 100~240VAC Power Input Power switch

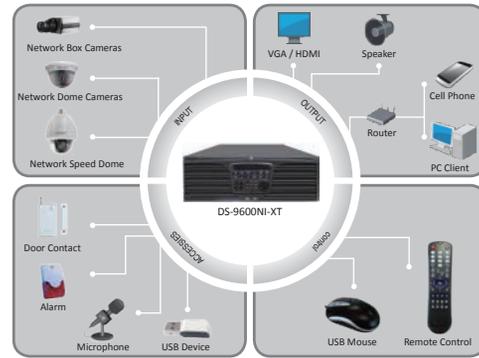
### Available models

DS-96128-E16, DS-96128-E16/H  
 DS-96256NI-E16, DS-96256NI-E16/H  
 DS-96128NI-E24, DS-96128NI-E24/H  
 DS-96256NI-E24, DS-96256NI-E24/H

|  | DS-96128NI-E16<br>DS-96128NI-E16/H   | DS-96256NI-E16<br>DS-96256NI-E16/H | DS-96128NI-E24<br>DS-96128NI-E24/H | DS-96256NI-E24<br>DS-96256NI-E24/H |
|--|--|------------------------------------|------------------------------------|------------------------------------|
| <b>Video/Audio input</b>                     |  |                                    |                                    |                                    |
| IP video input                               | 128-ch   | 256-ch                             | 128-ch                             | 256-ch                             |
| Two-way audio input                          | 1-ch, RCA (2.0 Vp-p, 1kΩ)  |                                    |                                    |                                    |
| <b>Network</b>                               |  |                                    |                                    |                                    |
| Incoming bandwidth                           | 400Mbps  | 640Mbps                            | 400Mbps                            | 640Mbps                            |
| Outgoing bandwidth                           | 400Mbps  | 320Mbps                            | 400Mbps                            | 320Mbps                            |
| Remote Connection                            | 256  |                                    |                                    |                                    |
| <b>Video/Audio output</b>                    |  |                                    |                                    |                                    |
| Recording resolution                         | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |                                    |                                    |                                    |
| LCD output (Optional)                        | 7" LCD touch screen  |                                    | N/A                                |                                    |
| HDMI output                                  | 2-ch (/H models supports the HDMI outputs to be expanded to 6 channels), resolution: 1920 × 1080P /60Hz, 1920×1080P /50Hz, 1600 × 1200/60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |                                    |                                    |                                    |
| VGA output                                   | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz   |                                    |                                    |                                    |
| Audio output                                 | 1-ch, RCA (2.0Vp-p, 1KΩ)   |                                    |                                    |                                    |
| <b>Decoding</b>                              |  |                                    |                                    |                                    |
| Live view / Playback resolution              | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |                                    |                                    |                                    |
| Capability                                   | 8-ch @ 1080P (/H models: 24-ch @ 1080P)  |                                    |                                    |                                    |
| <b>Hard disk</b>                             |  |                                    |                                    |                                    |
| SATA   | 16 SATA interfaces for 16 HDDs   |                                    | 24 SATA interfaces for 24 HDDs     |                                    |
| eSATA  | 1 eSATA interface  |                                    |                                    |                                    |
| miniSAS (Optional)                           | 1 miniSAS interface  |                                    |                                    |                                    |
| Capacity                                     | Up to 4TB capacity for each HDD  |                                    |                                    |                                    |
| <b>Disk array</b>                            |  |                                    |                                    |                                    |
| Array type                                   | RAID0, RAID1, RAID5, RAID10  |                                    |                                    |                                    |
| <b>External interface</b>                    |  |                                    |                                    |                                    |
| Network interface                            | 4 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interfaces   |                                    |                                    |                                    |
| Optic fiber interface                        | 4 1000 Mbps optic fiber interfaces   |                                    |                                    |                                    |
| Serial interface                             | RS-232; RS-485 (reserved); Keyboard;   |                                    |                                    |                                    |
| Working humidity                             | Front panel: 2 × USB 2.0<br>Rear panel: 2 × USB 3.0  |                                    | Rear panel: 2 × USB 3.0            |                                    |
| Alarm in/out                                 | 16/8   |                                    |                                    |                                    |
| <b>Others</b>                                |  |                                    |                                    |                                    |
| Power supply Consumption (without hard disk) | ≤ 300 W  |                                    | ≤ 450 W                            |                                    |
| Working temperature                          | -10°C ~ +55°C (14°F ~ 131°F)   |                                    |                                    |                                    |
| Working humidity                             | 10 % ~ 90 %  |                                    |                                    |                                    |
| Chassis                                      | 19-inch rack-mounted 3U chassis  |                                    | 19-inch rack-mounted 4U chassis    |                                    |
| Dimensions(W × D × H)                        | 442 × 494 × 146 mm   |                                    | 447 × 528 × 172mm                  |                                    |
| Weight                                       | ≤ 15.86 Kg (31.79 lb)(without hard disk)   |                                    |                                    |                                    |

# DS-9632/64NI-XT

## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Up to 16 SATA interfaces
- HDD quota and group management
- Dual gigabit network interfaces
- RAID 0,1,5,10 supported

### Rear Panel of DS-9600NI-XT



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 serial interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN1, LAN2 network interface
9. Termination switch
10. RS-485 serial interface, keyboard interface, Alarm in and Alarm out
11. GND
12. 100 ~ 240VAC Power input
13. Power switch
14. USB interface

### Available models

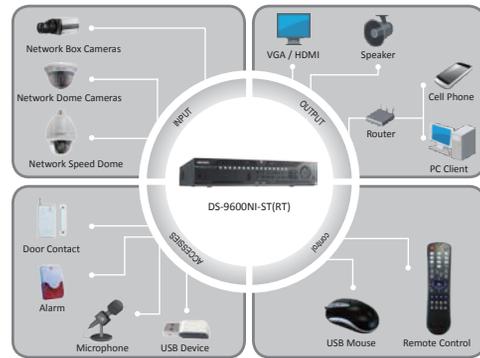
DS-9632NI-XT

DS-9664NI-XT

|                                 | DS-9632NI-XT   | DS-9664NI-XT |
|---------------------------------|--|--------------|
| <b>Video/Audio input</b>        |  |              |
| IP video input                  | 32-ch  | 64-ch        |
| Two-way audio input             | 1-ch, BNC (2.0 Vp-p, 1kΩ)  |              |
| <b>Network</b>                  |  |              |
| Incoming bandwidth              | 200Mbps  |              |
| Outgoing bandwidth              | 160Mbps  |              |
| Remote Connection               | 128  |              |
| <b>Video/Audio output</b>       |  |              |
| Recording resolution            | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |              |
| CVBS output                     | 1-ch, BNC (1.0 Vp-p, 75 Ω)<br>Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)  |              |
| HDMI output                     | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1920×1080P /50Hz, 1600 × 1200/60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |              |
| VGA output                      | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz                  |              |
| Audio output                    | 2-ch, BNC (Linear, 600Ω)   |              |
| <b>Decoding</b>                 |  |              |
| Live view / Playback resolution | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF  |              |
| Capability                      | 16-ch@720P, 8-ch@1080P   |              |
| <b>Hard disk</b>                |  |              |
| SATA                            | 16 SATA interfaces for 16 HDDs   |              |
| eSATA                           | 2 eSATA interfaces   |              |
| Capacity                        | Up to 4 TB capacity for each disk  |              |
| <b>Disk array</b>               |  |              |
| Array type                      | RAID0,RAID1,RAID5,RAID10,  |              |
| Number of array                 | 16   |              |
| <b>External interface</b>       |  |              |
| Network interface               | 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces   |              |
| Serial interface                | RS-232; RS-485; Keyboard;  |              |
| USB interface                   | 3 × USB 2.0  |              |
| Alarm in/out                    | 16/4   |              |
| <b>Others</b>                   |  |              |
| Power supply                    | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz   |              |
| Consumption                     | ≤ 45W  |              |
| Working temperature             | -10°C ~ +55°C (14 °F ~ 131 °F)   |              |
| Working humidity                | 10% ~ 90%  |              |
| Chassis                         | 19-inch rack-mounted 3U chassis  |              |
| Dimensions (W x D x H)          | 445 × 496 × 146 mm   |              |
| Weight                          | ≤ 12.5 Kg / 27.56 lb(without hard disks)   |              |

# DS-9632/64NI-ST(-RT)

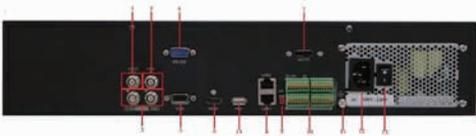
## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Up to 8 SATA interfaces
- HDD quota and group management
- Dual gigabit network interfaces
- RAID 0,1,5,10 supported (DS-9632/9664NI-RT)

### Rear Panel of DS-9632/9664NI-ST(RT)



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 serial interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN1, LAN2 network interface
9. Termination switch
10. RS-485 serial interface, keyboard interface, alarm in and alarm out
11. GND
12. 100 ~ 240VAC Power Input
13. Power Switch
14. USB Interface

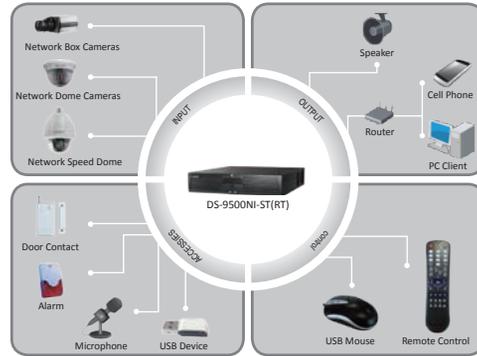
### Available models

- DS-9632NI-ST
- DS-9632NI-RT
- DS-9664NI-ST
- DS-9664NI-RT

|                                 | DS-9632NI-ST(RT)  | DS-9664NI-ST(RT) |
|---------------------------------|---|------------------|
| <b>Video/Audio input</b>        |   |                  |
| IP video input                  | 32-ch   | 64-ch            |
| Two-way audio input             | 1-ch, BNC (2.0 Vp-p, 1 kΩ)  |                  |
| Incoming bandwidth              | 200Mbps   |                  |
| Outgoing bandwidth              | 160Mbps   |                  |
| Remote Connection               | 128   |                  |
| <b>Video/Audio output</b>       |   |                  |
| Recording resolution            | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF   |                  |
| CVBS output                     | 1-ch, BNC (1.0 Vp-p, 75 Ω)<br>Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)   |                  |
| HDMI output                     | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1920×1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz,<br>1280 × 720 /60Hz, 1024 × 768 /60Hz |                  |
| VGA output                      | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz,<br>1024 × 768 /60Hz                    |                  |
| Audio output                    | 2-ch, BNC (Linear, 600 Ω)   |                  |
| <b>Decoding</b>                 |   |                  |
| Live view / Playback resolution | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF   |                  |
| Capability                      | 16-ch@720P, 8-ch@1080P  |                  |
| <b>Hard disk</b>                |   |                  |
| SATA                            | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs  |                  |
| eSATA                           | 1 eSATA interface   |                  |
| Capacity                        | Up to 4TB capacity for each disk  |                  |
| <b>Disk array</b>               |   |                  |
| Array type                      | RAID0, RAID1, RAID5, RAID10   |                  |
| Number of array                 | 8   |                  |
| Number of virtual disk          | 8   |                  |
| <b>External interface</b>       |   |                  |
| Network interface               | 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces  |                  |
| Serial interface                | RS-232; RS-485; Keyboard;   |                  |
| USB interface                   | 3 × USB 2.0   |                  |
| Alarm in/out                    | 16/4  |                  |
| <b>General</b>                  |   |                  |
| Power supply                    | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz  |                  |
| Consumption                     | ≤ 45W   |                  |
| Working temperature             | -10°C ~ +55°C (14 °F ~ 131 °F)  |                  |
| Working humidity                | 10% ~ 90%   |                  |
| Chassis                         | 19-inch rack-mounted 2U chassis   |                  |
| Dimensions (W x D x H)          | 445 × 470 × 90 mm   |                  |
| Weight                          | ≤ 8 kg /17.64 lb ( without hard disk or DVD-R/W )   |                  |

# DS-9532/64NI-ST(-RT)

## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- Up to 8 SATA interfaces
- HDD quota and group management
- Dual gigabit network interfaces
- RAID 0,1,5,10 supported (DS-9532NI-RT)

### Rear Panel of DS-9532NI-ST(-RT)



1. RS-232 serial interface
2. eSATA interface
3. LAN1, LAN2 network interface
4. RS-485 serial interface, keyboard interface, alarm in and alarm out
5. GND
6. 100 ~ 240VAC power input
7. Power switch
8. USB interface
9. Terminal switch
10. Reset

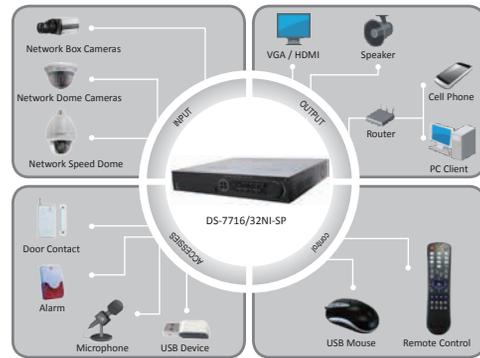
### Available models

- DS-9532NI-ST
- DS-9564NI-ST
- DS-9532NI-RT
- DS-9564NI-RT

|                                | DS-9532NI-ST(-RT)   | DS-9564NI-ST(-RT) |
|--------------------------------|---|-------------------|
| <b>Video/Audio input</b>       |   |                   |
| IP video input                 | 32-ch   | 64-ch             |
| <b>Recording Parameters</b>    |   |                   |
| Recording resolution           | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF     |                   |
| Frame rate                     | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N) |                   |
| <b>Network</b>                 |   |                   |
| Incoming bandwidth             | 200Mbps   |                   |
| Outgoing bandwidth             | 160Mbps   |                   |
| Remote Connection              | 128   |                   |
| <b>Hard disk</b>               |   |                   |
| SATA                           | 8 SATA interfaces   |                   |
| eSATA                          | 1 eSATA interface   |                   |
| Capacity                       | Up to 4TB capacity for each HDD   |                   |
| <b>Disk array</b>              |   |                   |
| Array type                     | RAID0, RAID1, RAID5, RAID10   |                   |
| Number of array                | 8   |                   |
| Number of virtual disk         | 8   |                   |
| <b>External interface</b>      |   |                   |
| Network interface              | 2 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interfaces                  |                   |
| Serial interface               | RS-232; RS-485 interface; Keyboard;   |                   |
| USB interface                  | 3 × USB 2.0   |                   |
| Alarm in/out                   | 16/4  |                   |
| <b>General</b>                 |   |                   |
| Power supply                   | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz  |                   |
| Consumption(without hard disk) | ≤ 45 W  |                   |
| Working temperature            | -10°C ~ +55°C (14 °F ~ 131 °F)  |                   |
| Working humidity               | 10% ~ 90%   |                   |
| Chassis                        | 19-inch rack-mounted 2U chassis   |                   |
| Dimensions (W x D x H)         | 445 × 470 × 90 mm   |                   |
| Weight                         | ≤ 8 kg /17.64 lb ( without hard disk or DVD-R/W )                           |                   |

# DS-7716/32NI-ST(-SP)

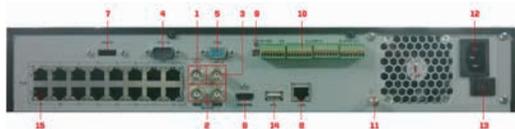
## Embedded Plug&Play NVR



### Key features

- Third-party network cameras supported
- Up to 5MP resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Plug & Play with 16 independent PoE network interfaces
- 4 SATA HDD interface up to 4TB each
- HDD quota and group management

### Rear Panel of DS-7700NI-SP



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN interface
9. Termination switch
10. RS-485 interface, Controller port, Alarm in and Alarm out
11. Ground
12. AC 100V ~ 240V
13. Power
14. USB interface
15. Network interfaces with PoE function

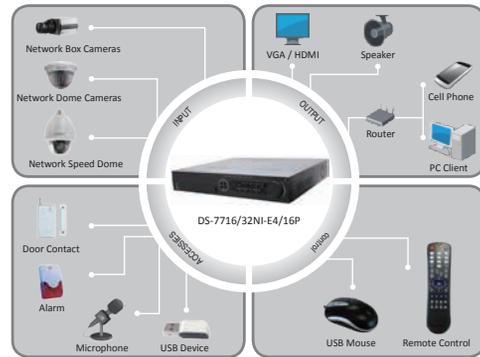
### Available models

- DS-7716NI-ST
- DS-7732NI-ST
- DS-7716NI-SP
- DS-7732NI-SP

|  | DS-7716NI-ST(-SP)  | DS-7732NI-ST(-SP) |
|--|--|-------------------|
| <b>Video/Audio input</b>                   |  |                   |
| IP video input                             | 16-ch  | 32-ch             |
| Two-way audio input                        | 1-ch, BNC (2.0 Vp-p, 1kΩ)  |                   |
| <b>Network</b>                             |  |                   |
| Incoming bandwidth                         | 100Mbps  | 200Mbps           |
| Outgoing bandwidth                         | 240Mbps  | 160Mbps           |
| Remote Connection                          | 128  |                   |
| <b>Video/Audio output</b>                  |  |                   |
| Recording resolution                       | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |                   |
| Frame rate                                 | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)  |                   |
| CVBS output                                | 1-ch, BNC (1.0 Vp-p, 75 Ω)<br>Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)  |                   |
| HDMI output                                | 1-ch, resolution:<br>1920 × 1080P / 60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz,<br>1280 × 720 / 60Hz, 1024 × 768 / 60Hz |                   |
| VGA output                                 | 1-ch, resolution:<br>1920 × 1080P / 60Hz, 1600 × 1200 / 60Hz, 1280 × 1024 / 60Hz, 1280 × 720 / 60Hz, 1024 × 768 / 60Hz                         |                   |
| Audio output                               | 2-ch, BNC (Linear, 600Ω)   |                   |
| <b>Decoding</b>                            |  |                   |
| Live view / Playback resolution            | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |                   |
| Capability                                 | 16-ch@720P, 8-ch@1080P   |                   |
| <b>Hard disk</b>                           |  |                   |
| SATA                                       | 4 SATA interfaces for 2 HDDs + 1 DVD-RW (default), or 4HDDs  |                   |
| eSATA                                      | 1 eSATA interface  |                   |
| Capacity                                   | Up to 4TB capacity for each HDD  |                   |
| <b>External interface</b>                  |  |                   |
| Network interface                          | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface  |                   |
| Serial interface                           | RS-232; RS-485; Keyboard   |                   |
| USB interface                              | 3 × USB 2.0  |                   |
| Alarm in/out                               | 16/4   |                   |
| <b>PoE(only DS-7716/32NI-SP supported)</b> |  |                   |
| Interface                                  | 16 independent 100 Mbps PoE network interfaces   |                   |
| Max. Power                                 | 200W   |                   |
| Supported standard                         | AT and AF  |                   |
| <b>Others</b>                              |  |                   |
| Power supply                               | 100 ~ 240VAC, 6.3A, 50 ~ 60Hz  |                   |
| Consumption                                | ≤ 40 W   | ≤ 45 W            |
| Working temperature                        | -10 °C ~ +55 °C (14°F ~ 131°F)   |                   |
| Working humidity                           | 10% ~ 90%  |                   |
| Chassis                                    | 19-inch rack-mounted 1.5U chassis  |                   |
| Dimensions(W × D × H)                      | 445 × 390 × 70 mm  |                   |
| Weight                                     | ≤ 4 Kg / 8.8 lb(without hard disk or DVD-R/W)  |                   |

# DS-7716/32NI-E4(/16P)

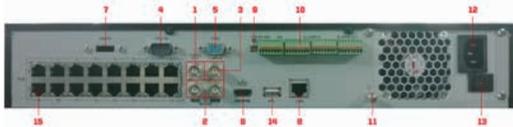
## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 5MP resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- Plug & Play with 16 independent PoE network interfaces
- 4 SATA HDD interface up to 4TB each
- HDD quota and group management

### Rear Panel of DS-7716/32NI-E4/16P



1. Video out
2. CVBS audio out and VGA audio out
3. Line in
4. RS-232 interface
5. VGA interface
6. HDMI interface
7. eSATA interface
8. LAN interface
9. Termination switch
10. RS-485 interface, Controller port, Alarm in and Alarm out
11. Ground
12. AC 100V ~ 240V
13. Power
14. USB interface
15. Network interfaces with PoE function

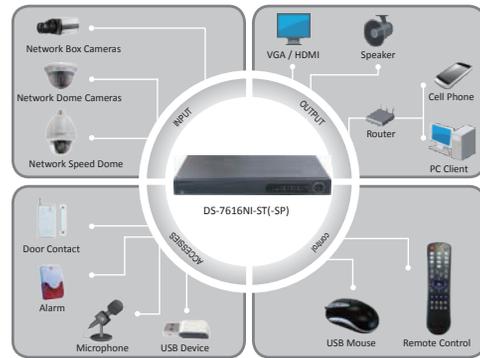
### Available models

- DS-7716NI-E4
- DS-7732NI-E4
- DS-7716NI-E4/16P
- DS-7732NI-E4/16P

|  | DS-7716NI-E4(/16P)  | DS-7732NI-E4(/16P) |
|--|---|--------------------|
| <b>Video/Audio input</b>                       |   |                    |
| IP video input                                 | 16-ch   | 32-ch              |
| Two-way audio input                            | 1-ch, BNC (2.0 Vp-p, 1kΩ)   |                    |
| <b>Network</b>                                 |   |                    |
| Incoming bandwidth                             | 100Mbps   | 200Mbps            |
| Outgoing bandwidth                             | 80Mbps  |                    |
| Remote Connection                              | 128   |                    |
| <b>Video/Audio output</b>                      |   |                    |
| Recording resolution                           | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF   |                    |
| Frame rate                                     | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)   |                    |
| CVBS output                                    | 1-ch, BNC (1.0 Vp-p, 75 Ω)<br>Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)   |                    |
| HDMI output                                    | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz,<br>1280 × 720 /60Hz, 1024 × 768 /60Hz |                    |
| VGA output                                     | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz                         |                    |
| Audio output                                   | 2-ch, BNC (Linear, 600Ω)  |                    |
| <b>Decoding</b>                                |   |                    |
| Live view / Playback resolution                | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF   |                    |
| Capability                                     | 16-ch@720P, 8-ch@1080P  |                    |
| <b>Hard disk</b>                               |   |                    |
| SATA   | 4 SATA interfaces for 2 HDDs + 1 DVD-RW (default), or 4HDDs   |                    |
| eSATA  | 1 eSATA interface   |                    |
| Capacity                                       | Up to 4TB capacity for each HDD   |                    |
| <b>External interface</b>                      |   |                    |
| Network interface                              | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface   |                    |
| Serial interface                               | RS-232; RS-485; Keyboard  |                    |
| USB interface                                  | 2 × USB 2.0 + 1 × USB 3.0   |                    |
| Alarm in/out                                   | 16 / 4 (optionally can be expanded to 16 / 8)   |                    |
| <b>PoE(only DS-7716/32NI-E4/16P supported)</b> |   |                    |
| Interface                                      | 16 independent 100 Mbps PoE network interfaces  |                    |
| Max. Power                                     | 200W  |                    |
| Supported standard                             | AT and AF   |                    |
| <b>Others</b>                                  |   |                    |
| Power supply                                   | 100 ~ 240VAC, 6.3A, 50 ~ 60Hz   |                    |
| Consumption                                    | ≤ 40 W  | ≤ 45 W             |
| Working temperature                            | -10 °C ~ +55 °C (14°F ~ 131°F)  |                    |
| Working humidity                               | 10% ~ 90%   |                    |
| Chassis  | 19-inch rack-mounted 1.5U chassis   |                    |
| Dimensions(W × D × H)                          | 445 × 390 ×70 mm  |                    |
| Weight   | ≤4 Kg /8.8 lb(without hard disk or DVD-RW)  |                    |

# DS-7616NI-ST(-SP)

## Embedded Plug&Play NVR



### Key features

- Third-party network cameras supported
- Up to 5MP video recording
- HDMI and VGA output up to 1920×1080P resolution
- 8 independent PoE network interfaces
- Plug & Play
- 8/16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7616NI-SP



1. Network Interfaces with PoE function
2. Video out
3. Audio out
4. Audio in
5. RS-232 Interface
6. VGA Interface
7. HDMI Interface
8. LAN Interface
9. RS-485 Interface, Alarm in and Alarm out
10. Power Supply
11. Power Switch
12. USB Interface

### Available models

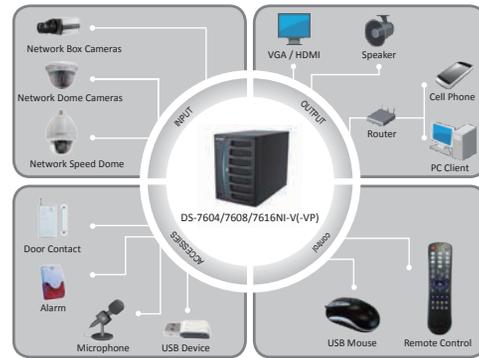
DS-7616NI-ST

DS-7616NI-SP

| DS-7616NI-ST(-SP)                       |   |
|---|---|
| <b>Video/Audio input</b>                |   |
| IP video input                          | 16-ch   |
| Two-way audio                           | 1-ch, BNC (2.0 Vp-p, 1kΩ)   |
| Incoming bandwidth                      | 80Mbps  |
| <b>Network</b>                          |   |
| Incoming bandwidth                      | 100Mbps   |
| Outgoing bandwidth                      | 240Mbps   |
| Remote Connection                       | 128   |
| <b>Video/Audio output</b>               |   |
| Encoding resolution                     | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF   |
| Frame rate                              | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)   |
| CVBS output                             | 1-ch, BNC (1.0 Vp-p, 75 Ω)<br>Resolution: 704 × 576 (PAL); 704 × 480 (NTSC)   |
| HDMI output                             | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1920 × 1080P / 50Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz,<br>1280 × 720 /60Hz, 1024 × 768 /60Hz |
| VGA output                              | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz                         |
| Audio output                            | 1-ch, BNC (Linear, 600Ω)  |
| <b>Decoding</b>                         |   |
| Live view / Playback resolution         | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF   |
| Capability                              | 16-ch   |
| <b>Hard disk</b>                        |   |
| SATA                                    | 2 SATA interfaces   |
| Capacity                                | Up to 4TB capacity for each HDD   |
| <b>External interface</b>               |   |
| Network interface                       | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface   |
| Serial interface                        | RS-232; RS-485;   |
| USB interface                           | 2 × USB 2.0   |
| Alarm in/out                            | 4/2   |
| <b>PoE(only DS-7616NI-SP supported)</b> |   |
| Interface                               | 8 independent 100 Mbps PoE network interfaces   |
| Consumption                             | 120W  |
| Standard                                | AF  |
| <b>General</b>                          |   |
| Power supply                            | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz  |
| Consumption(without hard disk or PoE)   | ≤ 40W   |
| Working temperature                     | -10 °C ~ +55 °C   |
| Working humidity                        | 10% ~ 90%   |
| Chassis                                 | 19-inch rack-mounted 1U chassis   |
| Dimensions(W × D × H)                   | 445 × 261 ×44.5 mm  |
| Weight                                  | ≤ 4 Kg /8.82 lb(without hard disk)  |

# DS-7608/16NI-V(-VP)

## Embedded Vertical NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- HDD quota and group management
- 4 independent PoE network interfaces (Only DS-7604/7608/7616NI-VP)
- Vertical design for easy HDD installation
- HDD hot-swap supported

### Available models

- DS-7608NI-V
- DS-7616NI-V
- DS-7608NI-VP
- DS-7616NI-VP

|                                       | DS-7608NI-V(-VP)  | DS-7616NI-V(-VP)                                |
|---------------------------------------|---|---|
| <b>Video/Audio input</b>              |   |   |
| IP video input                        | 8-ch  | 16-ch   |
| Two-way audio input                   | 1-ch, RCA (2.0 Vp-p, 1kΩ)   |   |
| (without hard disk)                   |   |   |
| Incoming bandwidth                    | 40Mbps  | 80Mbps  |
| Outgoing bandwidth                    | 40Mbps  |   |
| Remote connection                     | 128   |   |
| <b>Video/Audio output</b>             |   |   |
| Decoding resolution                   | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF   |   |
| HDMI/VGA output                       | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |   |
| Audio output                          | 1-ch, RCA (Linear, 1kΩ)   |   |
| Playback resolution                   | 5MP /3MP /1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF   |   |
| Synchronous playback                  | 4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP  | 8-ch 4CIF /4-ch, 720P / 2-ch, 1080P / 1-ch, 5MP |
| <b>Hard disk</b>                      |   |   |
| SATA                                  | 2 SATA interfaces for 2 HDDs  |   |
| Capacity                              | Up to 4TB for each disk   |   |
| <b>External interface</b>             |   |   |
| Network interface                     | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface   |   |
| USB interface                         | 2 × USB 2.0   |   |
| <b>PoE(DS-7608/16NI/VP Supported)</b> |   |   |
| Interface                             | 4 independent 100 Mbps PoE network interfaces   |   |
| Consumption                           | 120W  |   |
| Standard                              | AF  |   |
| <b>Others</b>                         |   |   |
| Power supply                          | 12V DC  |   |
| Consumption                           | ≤ 10 W (without hard disk)  |   |
| Working temperature                   | -10°C ~ +55°C   |   |
| Working humidity                      | 10 % ~ 90 %   |   |
| Chassis                               | Vertical chassis  |   |
| Dimensions (W × D × H)                | 130 × 236 × 180mm   |   |
| Weight                                | ≤ 2 Kg ( without hard disk)   |   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

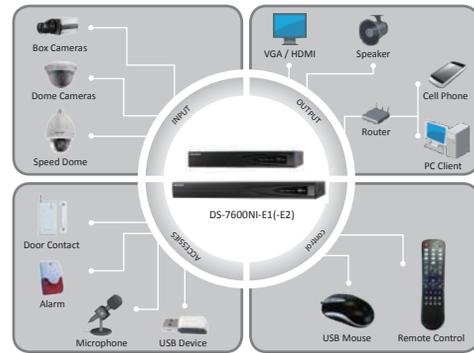
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-7604/08/16NI-E1(-E2)

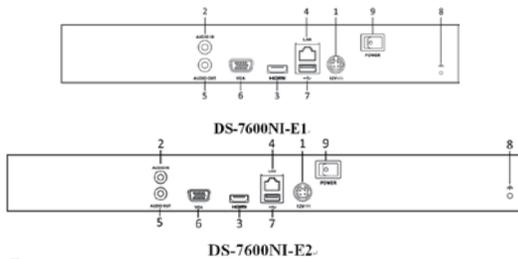
## Embedded NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch network cameras can be connected with 25M/50M/100M incoming bandwidth
- Up to 2 SATA interfaces
- Support network detection, including network delay, packet loss, etc.

### Rear Panel of DS-7600NI-E1(-E2)



1. Power Supply
2. Audio In
3. HDMI Interface
4. LAN Network Interface
5. Audio Out
6. VGA Interface
7. USB Interface
8. Ground
9. Power Switch

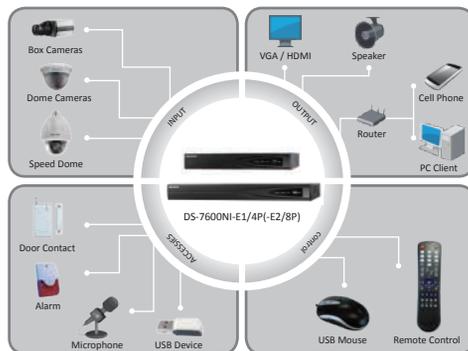
### Available models

- DS-7604NI-E1
- DS-7608NI-E1
- DS-7616NI-E1
- DS-7608NI-E2
- DS-7616NI-E2

|                                 | DS-7604NI-E1   | DS-7608NI-E1          | DS-7616NI-E1                       | DS-7608NI-E2                              | DS-7616NI-E2                       |
|---------------------------------|--|-----------------------|------------------------------------|---|------------------------------------|
| <b>Video/Audio input</b>        |  |                       |                                    |   |                                    |
| IP video input                  | 4-ch   | 8-ch                  | 16-ch                              | 8-ch                                      | 16-ch                              |
| Two-way audio input             | 1-ch, RCA (2.0 Vp-p, 1KΩ)  |                       |                                    |   |                                    |
| <b>Network</b>                  |  |                       |                                    |   |                                    |
| Incoming bandwidth              | 25Mbps   | 50Mbps                | 100Mbps                            | 50Mbps                                    | 100Mbps                            |
| Outgoing bandwidth              | 80Mbps   |                       |                                    |   |                                    |
| Remote connection               | 128  |                       |                                    |   |                                    |
| <b>Video/Audio output</b>       |  |                       |                                    |   |                                    |
| Recording resolution            | 5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |                       |                                    |   |                                    |
| Frame rate                      | Main stream: 50 fps (P) / 60 fps (N)   |                       |                                    |   |                                    |
|                                 | Sub-stream: 50 fps (P) / 60 fps (N)  |                       |                                    |   |                                    |
| HDMI/VGA output                 | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |                       |                                    |   |                                    |
| Audio output                    | 1-ch, RCA (Linear, 1kΩ)  |                       |                                    |   |                                    |
| <b>Decoding</b>                 |  |                       |                                    |   |                                    |
| Live view / Playback resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |                       |                                    |   |                                    |
| Capability                      | 4-ch@1080P   | 8-ch@720P, 6-ch@1080P | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P | 8-ch@720P, 6-ch@1080P                     | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P |
| <b>Hard disk</b>                |  |                       |                                    |   |                                    |
| SATA                            | 1 SATA interface for 1 HDD   |                       |                                    | 2 SATA interface for 2 HDDs               |                                    |
| Capacity                        | Up to 4TB for each disk  |                       |                                    |   |                                    |
| <b>External interface</b>       |  |                       |                                    |   |                                    |
| Network interface               | 1 RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface  |                       |                                    |   |                                    |
| USB interface                   | 1 × USB 2.0 and 1 × USB 3.0  |                       |                                    |   |                                    |
| Alarm in/out (Optional)         | 4 / 1  |                       |                                    |   |                                    |
| <b>Others</b>                   |  |                       |                                    |   |                                    |
| Power supply                    | 12V DC   |                       |                                    |   |                                    |
| Consumption(without hard disk)  | ≤ 10W  |                       |                                    |   |                                    |
| Working temperature             | -10 °C ~ +55 °C (+14 °F~ + 131 °F)   |                       |                                    |   |                                    |
| Working humidity                | 10 % ~ 90 %  |                       |                                    |   |                                    |
| Chassis                         | 1U chassis   |                       |                                    | 380 chassis                               |                                    |
| Dimensions(W × D × H)           | 315 × 230 × 45 mm (12.4 × 9.0 × 1.8 inch)  |                       |                                    | 380 × 290 × 48mm (15.0 × 11.4 × 1.9 inch) |                                    |
| Weight(without hard disk)       | ≤ 1 kg   |                       |                                    |   |                                    |

# DS-7604/08/16NI-E1/4P(-E2/8P)(-E2/16P)

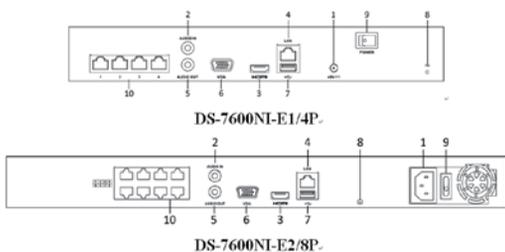
## Embedded Plug & Play NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch network cameras can be connected with 25M/50M/100M incoming bandwidth
- Up to 2 SATA interfaces
- Plug & Play with up to 8 independent PoE network interfaces
- Support network detection, including network delay, packet loss, etc

### Rear Panel of DS-7600NI-E1/4P(-E2/8P)



1. Power Supply
2. Audio In
3. HDMI Interface
4. LAN Network Interface
5. Audio Out
6. VGA Interface
7. USB Interface
8. Ground
9. Power Switch
10. Network Interfaces with PoE Function

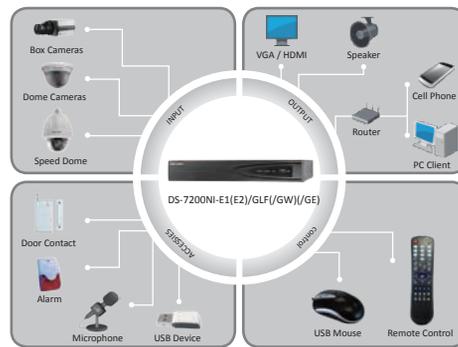
### Available models

- DS-7604NI-E1/4P
- DS-7608NI-E2/8P
- DS-7616NI-E2/8P
- DS-7616NI-E2/16P

|                                 | DS-7604NI-E1/4P  | DS-7608NI-E2/8P                               | DS-7616NI-E2/8P                                | DS-7616NI-E2/16P |
|---------------------------------|--|---|--|------------------|
| <b>Video/Audio input</b>        |  |   |  |                  |
| IP video input                  | 4-ch   | 8-ch  | 16-ch  |                  |
| Two-way audio input             | 1-ch, RCA (2.0 Vp-p, 1kΩ)  |   |  |                  |
| <b>Network</b>                  |  |   |  |                  |
| Incoming bandwidth              | 25Mbps   | 50Mbps  | 100Mbps  |                  |
| Outgoing bandwidth              | 80Mbps   |   |  |                  |
| Remote connection               | 128  |   |  |                  |
| <b>Video/Audio output</b>       |  |   |  |                  |
| Recording resolution            | 5MP/3MP/1080P/UXGA/720P/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |   |  |                  |
| Frame rate                      | Main stream: 50 fps (P) / 60 fps (N)   |   |  |                  |
|                                 | Sub-stream: 50 fps (P) / 60 fps (N)  |   |  |                  |
| HDMI/VGA output                 | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |   |  |                  |
| Audio output                    | 1-ch, RCA (Linear, 1kΩ)  |   |  |                  |
| <b>Decoding</b>                 |  |   |  |                  |
| Live view / Playback resolution | 5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |   |  |                  |
| Capability                      | 4-ch@1080P   | 8-ch@720P, 6-ch@1080P                         | 16-ch@4CIF, 12-ch@720P, 6-ch@1080P             |                  |
| <b>Hard disk</b>                |  |   |  |                  |
| SATA                            | 1 SATA interface for 1 HDD   | 2 SATA interface for 2 HDDs                   |  |                  |
| Capacity                        | Up to 4TB for each disk  |   |  |                  |
| <b>External interface</b>       |  |   |  |                  |
| Network interface               | 1 RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface  |   |  |                  |
| USB interface                   | 1 × USB 2.0 and 1 × USB 3.0  |   |  |                  |
| Alarm in/out(Optional)          | 4 / 1  |   |  |                  |
| <b>PoE</b>                      |  |   |  |                  |
| Interface                       | 4 independent 100 Mbps PoE network interfaces  | 8 independent 100 Mbps PoE network interfaces | 16 independent 100 Mbps PoE network interfaces |                  |
| Max. Power                      | 50W  | 120W  |  |                  |
| Supported standard              | AF and AT  |   |  |                  |
| <b>Others</b>                   |  |   |  |                  |
| Power supply                    | 48V DC   | 220V AC                                       |  |                  |
| Consumption(without hard disk)  | ≤ 10W  |   |  |                  |
| Working temperature             | -10 °C ~ +55 °C (+14 °F~ + 131 °F)   |   |  |                  |
| Working humidity                | 10 % ~ 90 %  |   |  |                  |
| Chassis                         | 1U chassis   | 19-inch rack-mounted 1U chassis               |  |                  |
| Dimensions(W × D × H)           | 315 × 230 × 45mm (12.4 ×9.1 × 1.8 inch)  | 445 × 290 × 45mm (17.5 ×11.4 × 1.8 inch)      |  |                  |
| Weight(without hard disk)       | ≤ 1 Kg (2.2 lb)  |   |  |                  |

# DS-7604/08/16HWI-E1(-E2)/GLF(/GW)

## Embedded Plug&Play NVR



### Key features

- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- resolution
- Up to 100M incoming bandwidth
- 1 SATA(DS-7604NI-E1 series)/2 SATA(DS-7608/16NI-E2 series), 1 USB3.0

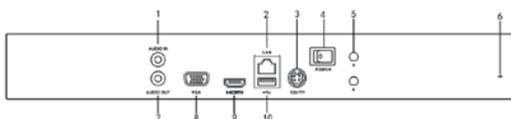
• Built-in 4G/3G modular to support wireless function

\*/GLF series support FDD-LTE 4G network

\*/GW series support WCDMA UMTS/HSDPA/HSUPA 3G network

\*/GE series support CDMA EV-DO 3G network

### Rear Panel of DS-7600NI-E1(-E2)/GLF(/GW)/(GE)



1. Audio In
2. LAN Network Interface
3. Power Supply
4. Power Switch
5. Main Antenna Interface
6. Ground
7. Audio Out
8. VGA Interface
9. HDMI Interface
10. USB Interface

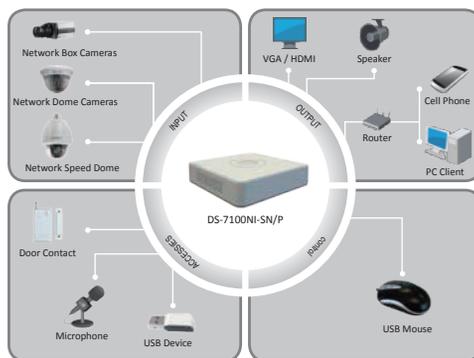
### Available models

- DS-7604/HWI-E1/GLF
- DS-7604/HWI-E1/GW
- DS-7608/HWI-E2/GLF
- DS-7608/HWI-E2/GW
- DS-7616/HWI-E2/GLF
- DS-7616/HWI-E2/GW

|  | DS-7604NI-E1/GLF<br>DS-7604NI-E1/GW  | DS-7608NI-E2/GLF<br>DS-7608NI-E2/GW       | DS-7616NI-E2/GLF<br>DS-7616NI-E2/GW |
|--|--|---|-------------------------------------|
| <b>Video/Audio input</b>                   |  |   |                                     |
| IP video input                             | 4-ch   | 8-ch                                      | 16-ch                               |
| Two-way audio input                        | 1-ch, RCA (2.0 Vp-p, 1KΩ)  |   |                                     |
| <b>Network</b>                             |  |   |                                     |
| Incoming bandwidth                         | 25Mbps   | 50Mbps                                    | 100Mbps                             |
| Outgoing bandwidth                         | 80Mbps   |   |                                     |
| Remote connection                          | 32   | 128                                       |                                     |
| <b>Wireless</b>                            |  |   |                                     |
| Antenna interface                          | 1 main antenna interface; 1 AUX antenna interface  |   |                                     |
| Frequency band                             | GLF: FDD-LTE: Band 1/3/7/8;<br>Tri-Band WCDMA: Band 1/5/8;<br>GW: Tri-Band UMTS/HSDPA/HSUPA(WCDMA/FDD): 850/1900/2100 MHz. |   |                                     |
| <b>Video/Audio output</b>                  |  |   |                                     |
| Recording resolution                       | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |   |                                     |
| Encoding resolution                        | Main stream: 50 fps (P) / 60 fps (N)   |   |                                     |
|  | Sub-stream: 50 fps (P) / 60 fps (N)  |   |                                     |
| HDMI/VGA output                            | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz             |   |                                     |
| Audio output                               | 1-ch, RCA (Linear, 1kΩ)  |   |                                     |
| <b>Decoding</b>                            |  |   |                                     |
| Live view / Playback resolution            | 8MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF  |   |                                     |
| Capability                                 | 4-ch@720P  | 8-ch@1080P                                | 16-ch@1080P                         |
| <b>Hard disk</b>                           |  |   |                                     |
| SATA                                       | 1 SATA interface for 1 HDD   | 2 SATA interfaces for 2 HDDs              |                                     |
| Capacity                                   | Up to 4TB for each disk  |   |                                     |
| <b>External interface</b>                  |  |   |                                     |
| Network interface                          | RJ-45 10 /100 /1000 Mbps self-adaptive Ethernet interface  |   |                                     |
| USB interface                              | 1, USB 3.0   |   |                                     |
| <b>Others</b>                              |  |   |                                     |
| Power supply                               | 12V DC   |   |                                     |
| Consumption (without hard disk or DVD-R/W) | ≤ 10 W   |   |                                     |
| Working temperature                        | -10 °C ~ +55 °C (+14 °F~ + 131 °F)   |   |                                     |
| Working humidity                           | 10% ~ 90%  |   |                                     |
| Chassis                                    | 1U chassis   | 380 chassis                               |                                     |
| Dimensions (W × D × H)                     | 315 × 230 × 45 mm<br>(12.4" × 9.0" × 1.8")   | 380 × 290 × 48mm (15.0 × 11.4 × 1.9 inch) |                                     |
| Weight (without hard disk or DVD-R/W)      | ≤ 1 kg   |   |                                     |

# DS-7104/08/16NI-SN/P

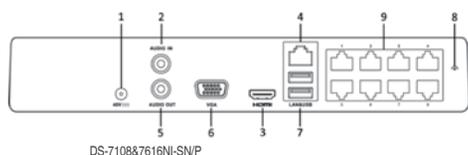
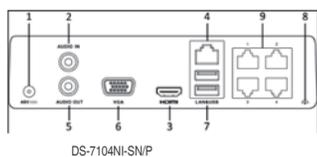
## Embedded Mini Plug & Play NVR



### Key features

- Third-party network cameras supported
- Up to 2 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- HDD quota and group management
- 4/8 independent PoE network interfaces are provide

### Rear Panel of DS-7104/08/16NI-SN/P



1. Power Supply
2. Audio In
3. HDMI Interface
4. LAN Network Interface
5. Audio Out
6. VGA Interface
7. USB Interface
8. Ground
9. PoE Ethernet Interface

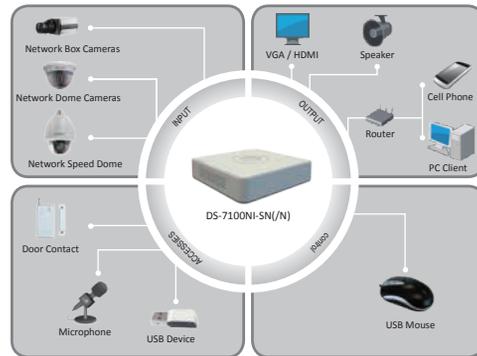
### Available models

- DS-7104NI-SN/P
- DS-7108NI-SN/P
- DS-7116NI-SN/P

|   | DS-7104NI-SN/P   | DS-7108NI-SN/P                                     | DS-7116NI-SN/P   |
|---|--|--|--|
| <b>Video/Audio input</b>                |  |  |  |
| Video input                             | 4-ch   | 8-ch   | 16-ch  |
| Two-way audio input                     | 1-ch, RCA (2.0 Vp-p, 1kΩ)  |  |  |
| <b>Network</b>                          |  |  |  |
| Incoming bandwidth                      | 25Mbps   | 50Mbps   | 100Mbps  |
| Outgoing bandwidth                      | 40Mbps   |  |  |
| Remote connection                       | 128  |  |  |
| <b>Video/Audio output</b>               |  |  |  |
| HDMI/VGA output                         | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |  |  |
| Audio output                            | 1-ch, RCA (Linear, 1kΩ)  |  |  |
| <b>Decoding</b>                         |  |  |  |
| Live view / Playback resolution         | 1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF  |  |  |
| Capability                              | 4-ch@720P, 2-ch@1080P  | 8-ch@4CIF, 4-ch@720P, 2-ch@1080P                   | 8-ch@4CIF, 8-ch@720P, 4-ch@1080P                           |
| <b>Hard disk</b>                        |  |  |  |
| SATA                                    | 1 SATA interface for 1 HDD   |  |  |
| Capacity                                | Up to 4TB for each disk  |  |  |
| <b>External interface</b>               |  |  |  |
| Network interface                       | 1 RJ-45 10 /100 Mbps self-adaptive Ethernet interface  |  | 1 RJ-45 10 /100/1000 Mbps self-adaptive Ethernet interface |
| USB interface                           | 2 × USB 2.0  |  |  |
| <b>PoE</b>                              |  |  |  |
| Interface                               | 4 independent 10 /100 Mbps PoE Ethernet interfaces   | 8 independent 10 /100 Mbps PoE Ethernet interfaces |  |
| Max. Power                              | 35W  | 40W  |  |
| Supported Standard                      | AF   |  |  |
| <b>Others</b>                           |  |  |  |
| Power supply                            | 48V DC   |  |  |
| Consumption (without hard disk and PoE) | ≤ 6 W  | ≤ 10 W   | ≤ 15 W   |
| Working temperature                     | -10 °C ~ +55 °C (+14 °F~ + 131 °F)   |  |  |
| Working humidity                        | 10 % ~ 90 %  |  |  |
| Chassis                                 | 1U chassis   |  |  |
| Dimensions(W × D × H)                   | 255 × 205 × 45 mm  | 285 × 210 × 45 mm                                  |  |
| Weight                                  | ≤ 1 Kg ( without hard disk)  |  |  |

# DS-7104/08/16NI-SN(/N)

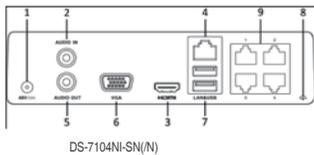
## Embedded Mini NVR



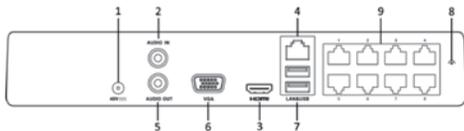
### Key features

- Third-party network cameras supported
- Up to 2 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- HDD quota and group management
- 4/8 independent network interfaces for built-in switch (DS-7104/08/16NI-SN/N)

### Rear Panel of DS-7104/08/16NI-SN(/N)



DS-7104NI-SN(/N)



DS-7108&7616NI-SN(/N)

1. Power Supply
2. Audio In
3. HDMI Interface
4. LAN Network Interface
5. Audio Out
6. VGA Interface
7. USB Interface
8. Ground
9. Built-in Switch Ethernet Interface

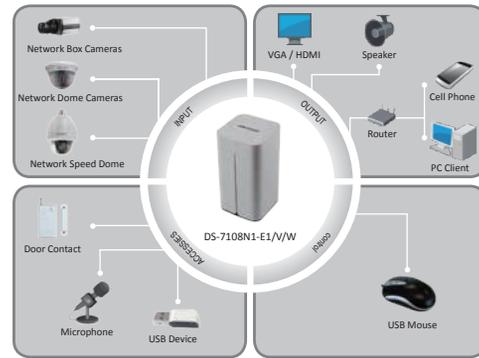
### Available models

- DS-7104NI-SN
- DS-7104NI-SN/N
- DS-7108NI-SN
- DS-7108NI-SN/N
- DS-7116NI-SN
- DS-7116NI-SN/N

|   | DS-7104NI-SN   | DS-7108NI-SN                                   | DS-7116NI-SN   |
|---|--|--|--|
| <b>Video/Audio input</b>  |  |  |  |
| Video input   | 4-ch   | 8-ch   | 16-ch  |
| Two-way audio input   | 1-ch, RCA (2.0 Vp-p, 1kΩ)  |  |  |
| <b>Network</b>  |  |  |  |
| Incoming bandwidth  | 25Mbps   | 50Mbps   | 100Mbps  |
| Outgoing bandwidth  | 40Mbps   |  |  |
| Remote connection   | 128  |  |  |
| <b>Video/Audio output</b>   |  |  |  |
| HDMI/VGA output   | 1-ch, resolution:<br>1920 × 1080P /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz |  |  |
| Audio output  | 1-ch, RCA (Linear, 1kΩ)  |  |  |
| <b>Decoding</b>   |  |  |  |
| Live view / Playback resolution                                   | 1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF  |  |  |
| Capability  | 4-ch@720P, 2-ch@1080P  | 8-ch@4CIF, 4-ch@720P, 2-ch@1080P               | 8-ch@4CIF, 8-ch@720P, 4-ch@1080P                       |
| <b>Hard disk</b>  |  |  |  |
| SATA  | 1 SATA interface for 1 HDD   |  |  |
| Capacity  | Up to 4TB for each disk  |  |  |
| <b>External interface</b>   |  |  |  |
| Network interface   | 1 RJ-45 10 / 100 / 1000 Mbps self-adaptive Ethernet interface                                  |  | 1 RJ-45 10 / 100 Mbps self-adaptive Ethernet interface |
| Built-in switch network interface(DS-7104/08/16NI-SN/N supported) | 4 independent 10 /100Mbps Ethernet interfaces  | 8 independent 10 /100 Mbps Ethernet interfaces |  |
| USB interface   | 2 × USB 2.0  |  |  |
| <b>Others</b>   |  |  |  |
| Power supply  | 12V DC   |  |  |
| Consumption (without hard disk and PoE)                           | ≤ 6 W  | ≤ 10 W   | ≤ 15 W   |
| Working temperature   | -10 °C ~ +55 °C (+14 °F~ + 131 °F)   |  |  |
| Working humidity  | 10 % ~ 90 %  |  |  |
| Chassis   | 1U chassis   |  |  |
| Dimensions(W × D × H)   | 205 × 205 × 45 mm  | 285 × 210 × 45 mm                              |  |
| Weight  | ≤ 1 Kg ( without hard disk)  |  |  |

# DS-7108NI-E1/V/W

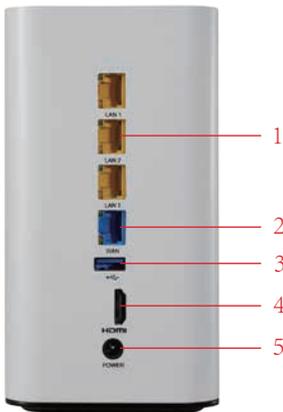
## WiFi Router NVR



### Key features

- Automatic detection and connection of IP cameras without any manual operation
- Up to 6 Megapixels resolution recording
- HDMI output at up to 1920x1080P resolution
- Access to EZVIZ Cloud for remote live view, playback and configuration
- Support WPS (WIFI Protected Setup) feature.
- Built-in silent fan with automatic speed adjustment.
- 802.11 b/g/n and a built-in dual WIFI antenna for a strong wireless network signal

### Rear Panel of DS-7108NI-E1/V/W



1. LAN Interface (1 ~ 3)
2. WAN Interface
3. USB Interface
4. HDMI
5. POWER

### Available models

DS-7108NI-E1/V/W

| DS-7108NI-E1/V/W                |   |
|---------------------------------|---|
| <b>Video/Audio input</b>        |   |
| IP video Input                  | 8-ch  |
| Video Compression               | H.264, MPEG4  |
| Protocol                        | HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (version 2.4), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SANYO, SONY, VIVOTEK, ZAVIO |
| <b>Network</b>                  |   |
| Incoming Bandwidth              | 50Mbps  |
| Outgoing Bandwidth              | 80Mbps  |
| Protocol                        | IPv6, UpnP, SNMP, NTP, SADP, DDNS, SMTP, NFS, iSCSI.  |
| <b>Video/Audio Output</b>       |   |
| Recording Resolution            | 6MP/5MP/3MP/1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF   |
| HDMI Output (with audio output) | 1-ch, resolution: 1920 × 1080P /60Hz, 1600 × 1200 /60Hz, 1280 × 1024 /60Hz, 1280 × 720 /60Hz, 1024 × 768 /60Hz  |
| Playback Resolution             | 6MP/5MP/3MP/1080P /UXGA /720P /VGA /4CIF /DCIF /2CIF /CIF /QCIF   |
| Synchronous Playback            | 8-ch  |
| <b>Record</b>                   |   |
| Record Type                     | Manual, Continuous, Motion Detection, Alarm, Motion Detection & Alarm, Motion Detection   Alarm, VCA.   |
| Playback Type                   | Instant Playback, Normal Playback, Event Playback, Tag Playback, Log Playback, Smart Playback, External file Playback.                                |
| Backup Mode                     | Normal, Event   |
| <b>Hard disk</b>                |   |
| SATA                            | 12V DC  |
| Capacity                        | 2.5-inch, 500G / 1T   |
| <b>External Interface</b>       |   |
| Network Interface               | 1 RJ-45 10/100 Mbps WAN interface; 3 RJ-45 10 / 100M LAN interfaces.  |
| USB Interface                   | 1 × USB 3.0   |
| <b>Wireless</b>                 |   |
| Frequency Band                  | 2.4GHz  |
| Antenna Structure               | 2 × 2MIMO   |
| Transmission Rate               | 300Mbps   |
| Transmission Standard           | IEEE 802.11b/g/n  |
| <b>Others</b>                   |   |
| Power Supply                    | 12VDC   |
| Consumption                     | ≤ 12 W  |
| Working Temperature             | 0 °C ~ +40 °C (+32 °F ~ +104 °F)  |
| Working Humidity                | 10 % ~ 90 %   |
| Dimensions(W × D × H)           | 87 × 87 × 157 mm (3.4 × 3.4 × 6.2 inch)   |
| Weight                          | ≤ 0.53 Kg (1.2lb)   |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

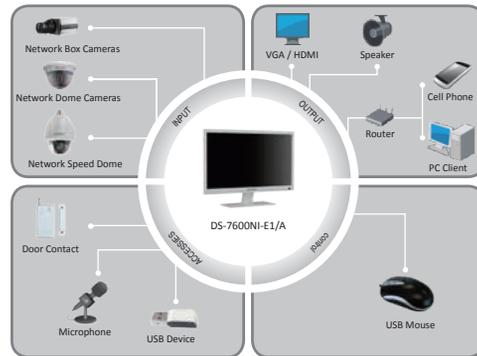
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-7600NI-E1/A

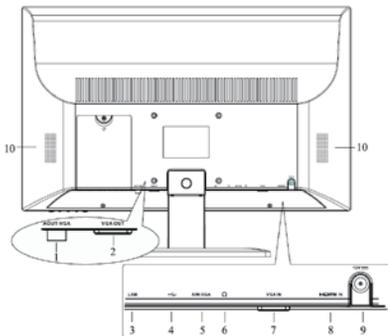
## All-in-One NVR



### Key features

- 22" LCD Monitor & NVR all in one
- Optional display of HDMI/VGA/internal NVR video sources
- Up to 8 network cameras can be connected
- Up to 6 Megapixels resolution recording
- Automatic detection and connection of IP cameras from Hikvision without any operations
- Up to 1920×1080P display resolution
- Support accessing to EZVIZ Cloud for remote live view, playback and configuration
- Support advertising files import from USB port and preview

### Rear Panel of DS-7600NI-E1/A



1. VGA Audio Output
2. VGA Output
3. LAN Interface
4. USB Interface
5. VGA Audio Input
6. MIC Interface
7. VGA Video Input
8. HDMI Video Input
9. Power Supply
10. Loudspeaker

### Available models

DS-7600NI-E1/A

| DS-7600NI-E1/A                           |   |
|--|---|
| <b>Video/Audio input</b>                 |   |
| IP video Input                           | 8-ch  |
| Incoming bandwidth                       | 50Mbps  |
| Outgoing bandwidth                       | 80Mbps  |
| Video compression                        | H.264/MPEG4   |
| Protocol                                 | HIKVISION, ACTi, ARECONT, AXIS, BOSCH, BRICKCOM, CANON, HUNT, ONVIF (version 2.4), PANASONIC, PELCO, PSIA, RTSP, SAMSUNG, SANYO, SONY, VIVOTEK, ZAVIO.                |
| <b>Video/Audio Output</b>                |   |
| LCD video output                         | 1-ch, resolution: 1024×788/60Hz, 1280×720/60Hz, 1280×1024/60Hz, 1600×1200/60Hz, 1920×1080p/60Hz.  |
| VGA video output                         | 1-ch to output NVR signal.  |
| Audio output                             | 1-ch, RCA interface (linear, 1KΩ) to output NVR audio.<br>1-ch, 3.5mm MIC interface.<br>2-ch stereo loudspeakers. Note: alternative in MIC interface and loudspeaker. |
| <b>LCD signal source</b>                 |   |
| Default video input                      | NVR signal  |
| HDMI video/audio input                   | 1-ch.   |
| VGA video input                          | 1-ch.   |
| VGA audio input                          | 1-ch, 3.5mm RCA interface.  |
| <b>Decoding</b>                          |   |
| Recording/playback resolution            | 6MP/5MP/3MP/1080p/UXGA/720p/VGA/4CIF/DCIF/2CIF/CIF/QCIF   |
| Capability                               | 8-ch@720P, 6-ch@1080P.  |
| Synchronization playback                 | 8-ch  |
| <b>Hard disk</b>                         |   |
| SATA interface                           | 1 SATA interface for 1 HDD  |
| Dimension                                | 2.5-inch  |
| Capacity                                 | 500GB/1TB   |
| <b>Recording/Playback/Backup</b>         |   |
| Recording type                           | Manual recording, continuous recording, motion detection recording, alarm recording, motion & alarm recording, motion   alarm recording, smart recording.             |
| Playback type                            | Instant playback, normal playback, event playback, tag playback, log playback, smart playback and external file playback.   |
| Backup type                              | Normal and event backup.  |
| <b>Network</b>                           |   |
| Protocol                                 | PPPoE, IPv6, UPnP, SNMP, NTP, SADP, DDNS, SMTP, NFS, iSCSI.   |
| <b>External interface</b>                |   |
| Network interface                        | 1 RJ45 10M/100M/1000M self-adaptive Ethernet interface.   |
| USB interface                            | 2 × USB 2.0   |
| Power indicator                          | 1   |
| <b>Others</b>                            |   |
| LCD dimension                            | 22 inch   |
| Consumption                              | 12VAC(1 AC adaptor)   |
| Working temperature                      | 0 °C ~ +50 °C (32°F ~ 122°F)  |
| Working humidity                         | 10 % ~ 90 %   |
| Dimensions (W × H)(without the pedestal) | 510 × 318mm (20.1"×12.5")   |
| Dimensions (W × H)(with the pedestal)    | 510 × 385mm (20.1"×15.2")   |
| Weight(with the bracket and pedestal)    | ≤ 4 kg (8.8 lb)   |

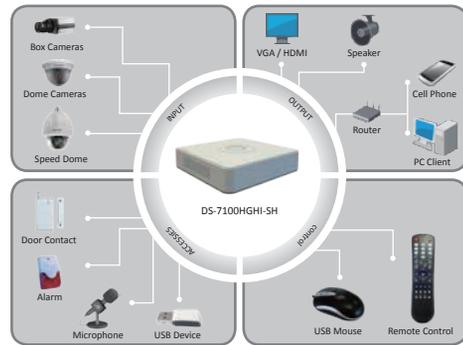


DVR

# DS-7104/08HGHI-SH

## Mini Turbo HD DVR

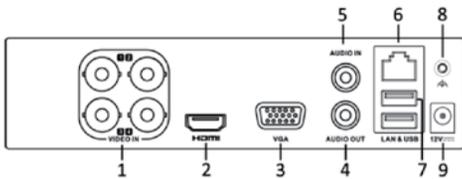
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HDTV/analog camera hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel @ 720P resolution real-time and 1080P no-real-time recording
- HDMI and VGA output at up to 1920x1080P resolution
- Long transmission distance over coax cable

### Rear Panel of DS-7100HGHI-SH



1. VIDEO IN
2. HDMI Interface
3. VGA Interface
4. AUDIO OUT, RCA Connector
5. AUDIO IN, RCA Connector
6. LAN Network Interface
7. USB Ports
8. GND
9. 12VDC Power Input

### Available models

DS-7104HGHI-SH

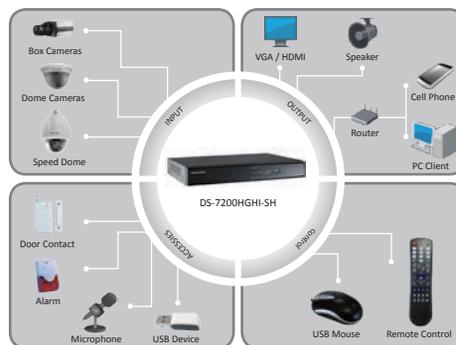
DS-7108HGHI-SH

|                                  | DS-7104HGHI-SH  | DS-7108HGHI-SH                            |
|----------------------------------|---|---|
| <b>Video/Audio input</b>         |   |   |
| Video compression                | H.264   |   |
| Analog and HD-TVI video input    | 4-ch  | 8-ch                                      |
|                                  | BNC interface (1.0Vp-p, 75 Ω)   |   |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS  |   |
| Audio compression                | G.711u  |   |
| Audio input / Two-way audio in   | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  |   |
| <b>Video/Audio output</b>        |   |   |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz  |   |
| Encoding resolution              | Main stream: 1080P(non-real-time) / 720P / VGA / WD1 / 4CIF / CIF<br>Sub-stream: WD1(non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA |   |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate   |   |
| Video bitrate                    | 32 Kbps-6 Mbps  |   |
| Audio output                     | 1-ch, RCA (Linear, 1KΩ)   |   |
| Audio bitrate                    | 64 Kbps   |   |
| Dual-stream                      | Support   |   |
| Stream type                      | Video, Video & Audio  |   |
| Synchronous playback             | 4-ch  | 8-ch                                      |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / VGA / CIF   |   |
| <b>Network</b>                   |   |   |
| Remote connections               | 128   |   |
| Network protocols                | TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS  |   |
| <b>Hard disk</b>                 |   |   |
| SATA                             | 1 SATA interface  |   |
| Capacity                         | Up to 4 TB capacity for each disk   |   |
| <b>External interface</b>        |   |   |
| Network interface                | 1; 10M / 100M self-adaptive Ethernet interface  |   |
| USB port                         | 2×USB2.0  |   |
| <b>General</b>                   |   |   |
| Power supply                     | 12V DC  |   |
| Consumption (without hard disks) | ≤ 15W   |   |
| Working temperature              | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |   |
| Working humidity                 | 10% ~ 90%   |   |
| Dimensions (W × D × H)           | 200 × 200 × 45mm<br>(7.9 × 7.9 × 1.8 inch)  | 280 × 210 × 45mm<br>(11 × 8.3 × 1.8 inch) |
| Weight (without hard disks)      | ≤ 0.8 kg / 1.8lb  | ≤ 0.8 kg / 1.8lb                          |

# DS-7204/08/16HGHI-SH

## Turbo HD DVR

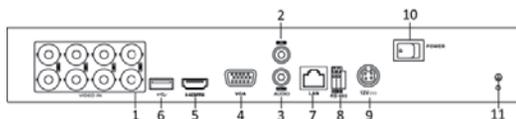
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@720P resolution real-time and 1080P no-real-time recording
- HDMI and VGA output at up to 1920x1080P resolution
- Long transmission distance over coax cable
- Support up to 16-ch synchronous playback at 1080P resolution

### Rear Panel of DS-7200HGHI-SH



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector
- 4 VGA Interface
- 5 HDMI Interface
- 6 USB Port
- 7 LAN Network Interface
- 8 RS-485 Serial Interface
- 9 12VDC Power Input
- 10 Power Switch
- 11 GND

### Available models

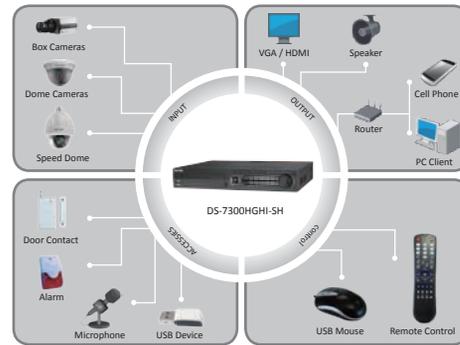
- DS-7204HGHI-SH
- DS-7208HGHI-SH
- DS-7216HGHI-SH.

|                                  | DS-7204HGHI-SH   | DS-7208HGHI-SH | DS-7216HGHI-SH   |
|----------------------------------|--|----------------|--|
| <b>Video/Audio input</b>         |  |                |  |
| Video compression                | H.264  |                |  |
| Analog and HD-TVI video input    | 4-ch   | 8-ch           | 16-ch  |
|                                  | BNC interface (1.0Vp-p, 75 Ω)  |                |  |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS                           |                |  |
| IP video input                   | 1-ch   | 2-ch           | 2-ch   |
|                                  | Up to 2MP resolution   |                |  |
| Audio compression                | G.711u   |                |  |
| Audio input / Two-way audio in   | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |                |  |
| <b>Video/Audio output</b>        |  |                |  |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |                |  |
| Encoding resolution              | Main stream: 1080P(non-real-time) / 720P / VGA / WD1 / 4CIF / CIF                |                |  |
|                                  | Sub-stream: WD1(non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA         |                |  |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate                                     |                |  |
|                                  | Sub-stream: 1/16 fps ~ Real time frame rate                                      |                |  |
| Video bitrate                    | 32 Kbps-6 Mbps   |                |  |
| Audio output                     | 1-ch, RCA (Linear, 1KΩ)  |                |  |
| Audio bitrate                    | 64 Kbps  |                |  |
| Dual-stream                      | Support  |                |  |
| Stream type                      | Video, Video & Audio   |                |  |
| Synchronous playback             | 4-ch   | 8-ch           | 16-ch  |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF                              |                |  |
| <b>Network management</b>        |  |                |  |
| Remote connections               | 128  |                |  |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS  |                |  |
| <b>Hard disk</b>                 |  |                |  |
| SATA                             | 1 SATA interface   |                | 2 SATA interfaces                                      |
| Capacity                         | Up to 4 TB capacity for each disk  |                |  |
| <b>External interface</b>        |  |                |  |
| Network interface                | 1; 10M / 100M self-adaptive Ethernet interface                                   |                | 1; 10M / 100M / 1000M self-adaptive Ethernet interface |
| Serial interface                 | 1; standard RS-485 serial interface, half-duplex                                 |                |  |
| USB port                         | 2 × USB2.0   |                |  |
| <b>General</b>                   |  |                |  |
| Power supply                     | 12V DC   |                |  |
| Consumption (without hard disks) | ≤ 15W  | ≤ 20W          | ≤ 20W  |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)  |                |  |
| Working humidity                 | 10% ~ 90%  |                |  |
| Chassis                          | 1U chassis   |                | 380mm 1U chassis                                       |
| Dimensions (W × D × H)           | 315 × 242 × 45mm (12.4 × 9.5 × 1.8 inch)   |                | 380 × 290 × 48mm (15.0 × 11.4 × 1.9 inch)              |
| Weight (without hard disks)      | ≤ 1.5Kg (3.3lb)  |                | ≤ 2Kg (4.4lb)  |

# DS-7304/08/16/24/32HGHI-SH

## Turbo HD DVR

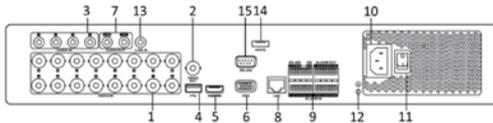
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@720P resolution real-time and 1080P no-real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Long transmission distance over coax cable
- Support up to 16-ch synchronous playback

### Rear Panel of DS-7300HGHI-SH



- 1 VIDEO IN
- 2 VIDEO OUT
- 3 AUDIO IN, RCA Connector
- 4 USB Port
- 5 HDMI Interface
- 6 VGA Interface
- 7 CVBS AUDIO OUT and VGA AUDIO OUT
- 8 LAN Network Interface
- 9 RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
- 10 100~240V AC Power Input
- 11 Power Switch
- 12 GND
- 13 LINE IN
- 14 eSATA Interface
- 15 RS-232 Serial Port

### Available models

- DS-7304HGHI-SH
- DS-7308HGHI-SH
- DS-7316HGHI-SH
- DS-7324HGHI-SH
- DS-7332HGHI-SH

|                                  | DS-7304HGHI-SH  | DS-7308HGHI-SH    | DS-7316HGHI-SH     | DS-7324HGHI-SH     | DS-7332HGHI-SH |
|----------------------------------|---|-------------------|--------------------|--------------------|----------------|
| <b>Video/Audio input</b>         |   |                   |                    |                    |                |
| Video compression                | H.264   |                   |                    |                    |                |
| Analog and HD-TVI video input    | 4-ch  | 8-ch              | 16-ch              | 24-ch              | 32-ch          |
| BNC interface                    | (1.0Vp-p, 75 Ω)   |                   |                    |                    |                |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS  |                   |                    |                    |                |
| IP video input                   | 1-ch (up to 4-ch)<br>Up to 2MP resolution   | 2-ch (up to 8-ch) | 2-ch (up to 16-ch) | 8-ch (up to 32-ch) |                |
| Audio compression                | G.711u  |                   |                    |                    |                |
| Audio input                      | 4-ch, RCA (2.0 Vp-p, 1 KΩ)  |                   |                    |                    |                |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  |                   |                    |                    |                |
| <b>Video/Audio output</b>        |   |                   |                    |                    |                |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz  |                   |                    |                    |                |
| Encoding resolution              | Main stream: 1080P (non-real-time) / 720P / VGA / 4CIF / CIF<br>Sub-stream: WD1 (non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA |                   |                    |                    |                |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate   |                   |                    |                    |                |
| Video bitrate                    | 32 Kbps-6 Mbps  |                   |                    |                    |                |
| Audio output                     | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)  |                   |                    |                    |                |
| Audio bitrate                    | 64 Kbps   |                   |                    |                    |                |
| Dual-stream                      | Support   |                   |                    |                    |                |
| Stream type                      | Video, Video & Audio  |                   |                    |                    |                |
| Synchronous playback             | 4-ch  | 8-ch              | 16-ch              | 24-ch              | 32-ch          |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF   |                   |                    |                    |                |
| <b>Network management</b>        |   |                   |                    |                    |                |
| Remote connections               | 128   |                   |                    |                    |                |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS   |                   |                    |                    |                |
| <b>Hard disk</b>                 |   |                   |                    |                    |                |
| Type                             | 4 SATA interfaces for 4 HDDs; 1 eSATA interface   |                   |                    |                    |                |
| Capacity                         | Up to 4 TB capacity for each disk   |                   |                    |                    |                |
| <b>External interface</b>        |   |                   |                    |                    |                |
| Network interface                | 1; 10M / 100M / 1000M self-adaptive Ethernet interface  |                   |                    |                    |                |
| Serial interface                 | RS-232, RS-485, Keyboard  |                   |                    |                    |                |
| Alarm in/out                     | 16 / 4  |                   |                    |                    |                |
| USB port                         | 3 × USB2.0  |                   |                    |                    |                |
| <b>General</b>                   |   |                   |                    |                    |                |
| Power supply                     | 100 ~ 240VAC, 47 ~ 63HZ   |                   |                    |                    |                |
| Consumption (without hard disks) | ≤ 30W   | ≤ 40W             | ≤ 55W              | ≤ 65W              |                |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)   |                   |                    |                    |                |
| Working humidity                 | 10% ~ 90%   |                   |                    |                    |                |
| Chassis                          | 19-inch rack-mounted 1.5U chassis   |                   |                    |                    |                |
| Dimensions (W × D × H)           | 445 × 390 × 70 mm (17.5 × 15.3 × 2.7 inch)  |                   |                    |                    |                |
| Weight (without hard disks)      | ≤ 5Kg (11.0lb)  |                   |                    |                    |                |

# DS-8104/08/16/24/32HGHI-SH

## Turbo HD DVR

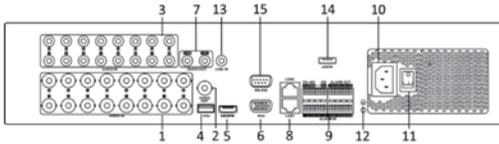
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@720P resolution real-time and 1080P no-real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Long transmission distance over coax cable
- Support up to 16-ch synchronous playback

### Rear Panel of DS-8100HGHI-SH



- 1 VIDEO IN
- 2 VIDEO OUT
- 3 AUDIO IN, RCA Connector
- 4 USB Port
- 5 HDMI Interface
- 6 VGA Interface
- 7 CVBS AUDIO OUT and VGA AUDIO OUT
- 8 LAN1 LAN2 Network Interfaces
- 9 RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
- 10 100~240V AC Power Input
- 11 Power Switch
- 12 GND
- 13 LINE IN
- 14 eSATA Interface
- 15 RS-232 Serial Port

### Available models

- DS-8104HGHI-SH
- DS-8108HGHI-SH
- DS-8116HGHI-SH.
- DS-8124HGHI-SH
- DS-8132HGHI-SH.

|                                  | DS-8104HGHI-SH   | DS-8108HGHI-SH    | DS-8116HGHI-SH     | DS-8124HGHI-SH      | DS-8132HGHI-SH |
|----------------------------------|--|-------------------|--------------------|---------------------|----------------|
| <b>Video/Audio input</b>         |  |                   |                    |                     |                |
| Video compression                | H.264  |                   |                    |                     |                |
| Analog and HD-TVI video input    | 4-ch   | 8-ch              | 16-ch              | 24-ch               | 32-ch          |
|                                  | BNC interface (1.0Vp-p, 75 Ω)  |                   |                    |                     |                |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS                           |                   |                    |                     |                |
| IP video input                   | 1-ch (up to 4-ch)<br>Up to 2MP resolution  | 2-ch (up to 8-ch) | 2-ch (up to 16-ch) | 16-ch (up to 32-ch) |                |
| Audio compression                | G.711u   |                   |                    |                     |                |
| Audio input                      | 4-ch   | 8-ch              | 16-ch              |                     |                |
|                                  | RCA (2.0 Vp-p, 1 KΩ)   |                   |                    |                     |                |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |                   |                    |                     |                |
| <b>Video/Audio output</b>        |  |                   |                    |                     |                |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |                   |                    |                     |                |
| CVBS output                      | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480          |                   |                    |                     |                |
| Encoding resolution              | Main stream: 1080P (non-real-time) / 720P / WD1 / VGA / 4CIF / CIF               |                   |                    |                     |                |
|                                  | Sub-stream: WD1(non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA         |                   |                    |                     |                |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate                                     |                   |                    |                     |                |
|                                  | Sub-stream: 1/16 fps ~ Real time frame rate                                      |                   |                    |                     |                |
| Video bitrate                    | 32 Kbps-6 Mbps   |                   |                    |                     |                |
| Audio output                     | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)             |                   |                    |                     |                |
| Audio bitrate                    | 64 Kbps  |                   |                    |                     |                |
| Dual-stream                      | Support  |                   |                    |                     |                |
| Stream type                      | Video, Video & Audio   |                   |                    |                     |                |
| Synchronous playback             | 4-ch   | 8-ch              | 16-ch              | 24-ch               | 32-ch          |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF                              |                   |                    |                     |                |
| <b>Network management</b>        |  |                   |                    |                     |                |
| Remote connections               | 128  |                   |                    |                     |                |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS  |                   |                    |                     |                |
| <b>Hard disk</b>                 |  |                   |                    |                     |                |
| Type                             | 8 SATA interfaces for 8 HDDs; 1 eSATA interface                                  |                   |                    |                     |                |
| Capacity                         | Up to 4 TB capacity for each disk  |                   |                    |                     |                |
| <b>External interface</b>        |  |                   |                    |                     |                |
| Network interface                | 2; 10M / 100M / 1000M self-adaptive Ethernet interface                           |                   |                    |                     |                |
| Serial interface                 | RS-232, RS-485, Keyboard   |                   |                    |                     |                |
| Alarm in/out                     | 16 / 4   |                   |                    |                     |                |
| USB port                         | 3 × USB2.0   |                   |                    |                     |                |
| <b>General</b>                   |  |                   |                    |                     |                |
| Power supply                     | 100 ~ 240VAC, 47 ~ 63HZ  |                   |                    |                     |                |
| Consumption (without hard disks) | ≤ 30W  | ≤ 40W             | ≤ 55W              | ≤ 60W               | ≤ 67W          |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)  |                   |                    |                     |                |
| Working humidity                 | 10% ~ 90%  |                   |                    |                     |                |
| Chassis                          | 19-inch rack-mounted 2U chassis  |                   |                    |                     |                |
| Dimensions (W × D × H)           | 445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)                                       |                   |                    |                     |                |
| Weight (without hard disks)      | ≤ 8Kg (17.6 lb)  |                   |                    |                     |                |

PTZ DOME

NETWORK

ANALOG

DVR

NVIR

ATM DVR

VIDEO ENCODER

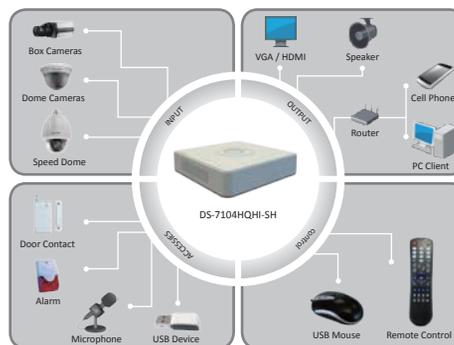
CARD

NETWORK STORAGE

# DS-7104HQHI-SH

## Mini Turbo HD DVR

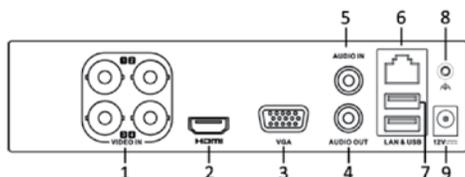
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel @ 1080P resolution real-time recording
- HDMI and VGA output at up to 1920x1080P resolution
- Long transmission distance over coax cable

### Rear Panel of DS-7104HQHI-SH



1. VIDEO IN
2. HDMI Interface
3. VGA Interface
4. AUDIO OUT, RCA Connector
5. AUDIO IN, RCA Connector
6. LAN Network Interface
7. USB Ports
8. GND
9. 12VDC Power Input

### Available models

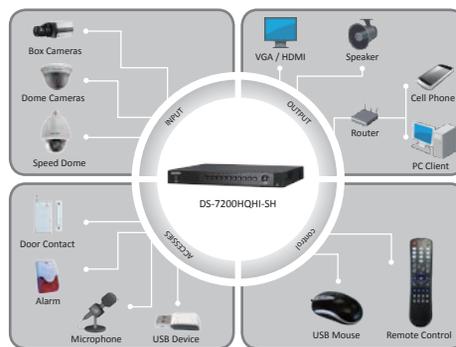
DS-7104HQHI-SH

| DS-7104HQHI-SH                   |  |
|----------------------------------|--|
| Video/Audio input                |  |
| Video compression                | H.264  |
| Analog and HD-TVI video input    | 4-ch<br>BNC interface (1.0Vp-p, 75 Ω)  |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS   |
| Audio compression                | G.711u   |
| Audio input / Two-way audio in   | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |
| Video/Audio output               |  |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz   |
| Encoding resolution              | Main stream: 1080P(non-real-time) / 720P / VGA / WD1 / 4CIF / CIF<br>Sub-stream: WD1(non-real-time) / 4CIF / CIF / QCIF / QVGA |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate                                    |
| Video bitrate                    | 32 Kbps-10 Mbps  |
| Audio output                     | 1-ch, RCA (Linear, 1KΩ)  |
| Audio bitrate                    | 64 Kbps  |
| Dual-stream                      | Support  |
| Stream type                      | Video, Video & Audio   |
| Synchronous playback             | 4-ch   |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / VGA / CIF  |
| Network                          |  |
| Remote connections               | 128  |
| Network protocols                | TCP/IP, PPPoE, DHCP, EZVIZ Cloud P2P, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS                               |
| Hard disk                        |  |
| SATA                             | 1 SATA interface   |
| Capacity                         | Up to 4 TB capacity for each disk  |
| External interface               |  |
| Network interface                | 1; 10M / 100M self-adaptive Ethernet interface   |
| USB port                         | 2 × USB2.0   |
| General                          |  |
| Power supply                     | 12V DC   |
| Consumption (without hard disks) | ≤ 15W  |
| Working temperature              | -10 °C ~ +55 °C (14 °F ~ 131 °F)   |
| Working humidity                 | 10% ~ 90%  |
| Dimensions(W × D × H)            | 200 × 200 × 45mm (7.9 × 7.9 × 1.8 inch)  |
| Weight(without hard disks)       | ≤ 0.8 kg / 1.8lb   |

# DS-7204/08/16HQHI-SH

## Turbo HD DVR

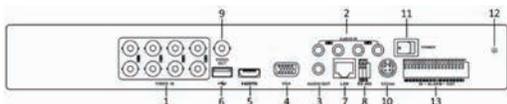
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Long transmission distance over coax cable
- Support up to 8-ch synchronous playback

### Rear Panel of DS-7200HQHI-SH



- 1 VIDEO IN
- 2 AUDIO IN, RCA Connector
- 3 AUDIO OUT, RCA Connector
- 4 VGA Interface
- 5 HDMI Interface
- 6 USB Port
- 7 LAN Network Interface
- 8 RS-485 Serial Interface
- 9 12VDC Power Input
- 10 Power Switch
- 11 GND
- 12 ALARM IN and ALARM OUT

### Available models

- DS-7204HQHI-SH
- DS-7208HQHI-SH
- DS-7216HQHI-SH.

|                                  | DS-7204HQHI-SH   | DS-7208HQHI-SH                            | DS-7216HQHI-SH |
|----------------------------------|--|---|----------------|
| <b>Video/Audio input</b>         |  |   |                |
| Video compression                | H.264  |   |                |
| Analog and HD-TVI video input    | 4-ch   | 8-ch                                      | 16-ch          |
|                                  | BNC interface (1.0Vp-p, 75 Ω)  |   |                |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS                           |   |                |
| IP video input                   | 2-ch   |   |                |
|                                  | Up to 2MP resolution   |   |                |
| Audio compression                | G.711u   |   |                |
| Audio input                      | 4-ch, RCA (2.0 Vp-p, 1 KΩ)   |   |                |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using the 1st channel of audio input)                |   |                |
| <b>Video/Audio output</b>        |  |   |                |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |   |                |
| Encoding resolution              | Main stream: 1080P / 720P / VGA / WD1 / 4CIF / CIF                               |   |                |
|                                  | Sub-stream: WD1 (non-real-time) / 4CIF (non-real-time) / CIF / QCIF / QVGA       |   |                |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate                                     |   |                |
|                                  | Sub-stream: 1/16 fps ~ Real time frame rate                                      |   |                |
| Video bitrate                    | 32 Kbps-10 Mbps  |   |                |
| Audio output                     | 1-ch, RCA (Linear, 1KΩ)  |   |                |
| Audio bitrate                    | 64 Kbps  |   |                |
| Dual-stream                      | Support  |   |                |
| Stream type                      | Video, Video & Audio   |   |                |
| Synchronous playback             | 4-ch   | 8-ch                                      | 16-ch          |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF                              |   |                |
| <b>Network management</b>        |  |   |                |
| Remote connections               | 128  |   |                |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS  |   |                |
| <b>Hard disk</b>                 |  |   |                |
| SATA                             | 1 SATA interface   | 2 SATA interfaces                         |                |
| Capacity                         | Up to 4 TB capacity for each disk  |   |                |
| <b>External interface</b>        |  |   |                |
| Network interface                | 1; 10M / 100M / 1000M self-adaptive Ethernet interface                           |   |                |
| Serial interface                 | 1; standard RS-485 serial interface, half-duplex                                 |   |                |
| Alarm in/out                     | 4/1  | 8/4                                       | 16/4           |
| USB port                         | 2 × USB2.0   |   |                |
| <b>General</b>                   |  |   |                |
| Power supply                     | 12V DC   |   |                |
| Consumption (without hard disks) | ≤ 15W  | ≤ 20W                                     |                |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)  |   |                |
| Working humidity                 | 10% ~ 90%  |   |                |
| Chassis                          | 1U chassis   | 380mm 1U chassis                          |                |
| Dimensions (W × D × H)           | 315 × 242 × 45mm (12.4 × 9.5 × 1.8 inch)   | 380 × 290 × 48mm (15.0 × 11.4 × 1.9 inch) |                |
| Weight (without hard disks)      | ≤ 1.5Kg (3.3lb)  | ≤ 2Kg (4.4lb)                             |                |

PTZ DOME

NETWORK

ANALOG

DVR

NVIR

ATM DVR

VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-7304/08/16HQHI-SH

## Turbo HD DVR

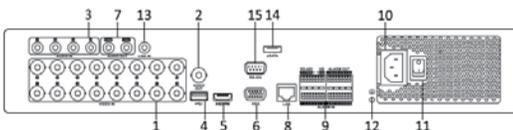
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Long transmission distance over coax cable
- Support up to 16-ch synchronous playback at 1080P resolution

### Rear Panel of DS-7300HQHI-SH



- 1 VIDEO IN
- 2 VIDEO OUT
- 3 AUDIO IN, RCA Connector
- 4 USB Port
- 5 HDMI Interface
- 6 VGA Interface
- 7 CVBS AUDIO OUT and VGA AUDIO OUT
- 8 LAN Network Interface
- 9 RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
- 10 100~240V AC Power Input
- 11 Power Switch
- 12 GND
- 13 LINE IN
- 14 eSATA Interface
- 15 RS-232 Serial Port

### Available models

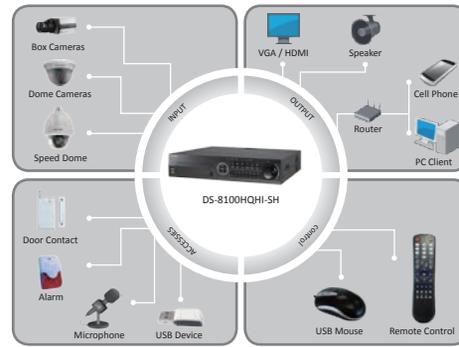
- DS-7304HQHI-SH
- DS-7308HQHI-SH
- DS-7316HQHI-SH

|                                  | DS-7304HQHI-SH  | DS-7308HQHI-SH     | DS-7316HQHI-SH     |
|----------------------------------|---|--------------------|--------------------|
| <b>Video/Audio input</b>         |   |                    |                    |
| Video compression                | H.264   |                    |                    |
| Analog and HD-TVI video input    | 4-ch  | 8-ch               | 16-ch              |
|                                  | BNC interface (1.0Vp-p, 75 Ω)   |                    |                    |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS  |                    |                    |
| IP video input                   | 2-ch (up to 6-ch)<br>Up to 2MP resolution   | 2-ch (up to 10-ch) | 2-ch (up to 18-ch) |
| Audio compression                | G.711u  |                    |                    |
| Audio input                      | 4-ch, RCA (2.0 Vp-p, 1 KΩ)  |                    |                    |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  |                    |                    |
| <b>Video/Audio output</b>        |   |                    |                    |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz  |                    |                    |
| CVBS output                      | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480   |                    |                    |
| Encoding resolution              | Main stream: 1080P / 720P / VGA / 4CIF / CIF<br>Sub-stream: WD1 (non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA |                    |                    |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate                               |                    |                    |
| Video bitrate                    | 32 Kbps-10 Mbps   |                    |                    |
| Audio output                     | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)  |                    |                    |
| Audio bitrate                    | 64 Kbps   |                    |                    |
| Dual-stream                      | Support   |                    |                    |
| Stream type                      | Video, Video & Audio  |                    |                    |
| Synchronous playback             | 4-ch  | 8-ch               | 16-ch              |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF   |                    |                    |
| <b>Network management</b>        |   |                    |                    |
| Remote connections               | 128   |                    |                    |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS   |                    |                    |
| <b>Hard disk</b>                 |   |                    |                    |
| Type                             | 4 SATA interfaces for 4 HDDs; 1 eSATA interface   |                    |                    |
| Capacity                         | Up to 4 TB capacity for each disk   |                    |                    |
| <b>External interface</b>        |   |                    |                    |
| Network interface                | 1; 10M / 100M / 1000M self-adaptive Ethernet interface  |                    |                    |
| Serial interface                 | RS-232, RS-485, Keyboard  |                    |                    |
| USB port                         | 3 × USB2.0  |                    |                    |
| Alarm in / out                   | 16 / 4  |                    |                    |
| <b>General</b>                   |   |                    |                    |
| Power supply                     | 100 ~ 240VAC, 47 ~ 63HZ   |                    |                    |
| Consumption (without hard disks) | ≤ 30W   | ≤ 40W              | ≤ 55W              |
| Working temperature              | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |                    |                    |
| Working humidity                 | 10% ~ 90%   |                    |                    |
| Chassis                          | 19-inch rack-mounted 1.5U chassis   |                    |                    |
| Dimensions (W × D × H)           | 445 × 390 × 70 mm (17.5 × 15.3 × 2.7 inch)  |                    |                    |
| Weight (without hard disks)      | ≤ 5Kg (11.0lb)  |                    |                    |

# DS-8104/08/16HQHI-SH

## Turbo HD DVR

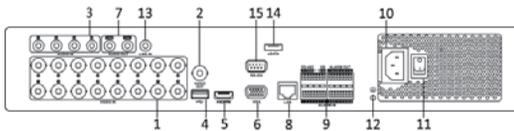
# TURBO HD



### Key features

- H.264 & Dual-stream video compression
- Support HD-TVI/analog/IP camera triple hybrid
- Support both HD-TVI and analog cameras with adaptive access
- Full channel@1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Long transmission distance over coax cable
- Support up to 16-ch synchronous playback at 1080P resolution

### Rear Panel of DS-8100HQHI-SH



- 1 VIDEO IN
- 2 VIDEO OUT
- 3 AUDIO IN, RCA Connector
- 4 USB Port
- 5 HDMI Interface
- 6 VGA Interface
- 7 CVBS AUDIO OUT and VGA AUDIO OUT
- 8 LAN1 LAN2 Network Interfaces
- 9 RS-485 Serial Interface, Keyboard Interface, ALARM IN and ALARM OUT
- 10 100~240V AC Power Input
- 11 Power Switch
- 12 GND
- 13 LINE IN
- 14 eSATA Interface
- 15 RS-232 Serial Port

### Available models

- DS-8104HQHI-SH
- DS-8108HQHI-SH
- DS-8116HQHI-SH

|                                  | DS-8104HQHI-SH  | DS-8108HQHI-SH     | DS-8116HQHI-SH     |
|----------------------------------|---|--------------------|--------------------|
| <b>Video/Audio input</b>         |   |                    |                    |
| Video compression                | H.264   |                    |                    |
| Analog and HD-TVI video input    | 4-ch  | 8-ch               | 16-ch              |
|                                  | BNC interface (1.0Vp-p, 75 Ω)   |                    |                    |
| Supported camera types           | 720P25, 720P30, 720P50, 720P60, 1080P25, 1080P30, CVBS  |                    |                    |
| IP video input                   | 2-ch (up to 6-ch)<br>Up to 2MP resolution   | 2-ch (up to 10-ch) | 2-ch (up to 18-ch) |
| <b>Video/Audio output</b>        |   |                    |                    |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz  |                    |                    |
| CVBS output                      | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480   |                    |                    |
| Encoding resolution              | Main stream: 1080P / 720P / VGA / 4CIF / CIF<br>Sub-stream: WD1 (non-real-time) / 4CIF(non-real-time) / CIF / QCIF / QVGA |                    |                    |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate                               |                    |                    |
| Video bitrate                    | 32 Kbps-10 Mbps   |                    |                    |
| Audio output                     | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)  |                    |                    |
| Audio bitrate                    | 64 Kbps   |                    |                    |
| Dual-stream                      | Support   |                    |                    |
| Stream type                      | Video, Video & Audio  |                    |                    |
| Synchronous playback             | 4-ch  | 8-ch               | 16-ch              |
| Playback resolution              | 1080P / 720P / VGA / WD1 / 4CIF / CIF / QVGA / QCIF   |                    |                    |
| <b>Network management</b>        |   |                    |                    |
| Remote connections               | 128   |                    |                    |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™, HTTPS   |                    |                    |
| <b>Hard disk</b>                 |   |                    |                    |
| Type                             | 8 SATA interfaces for 8 HDDs; 1 eSATA interface   |                    |                    |
| Capacity                         | Up to 4 TB capacity for each disk   |                    |                    |
| <b>External interface</b>        |   |                    |                    |
| Network interface                | 2; 10M / 100M / 1000M self-adaptive Ethernet interfaces   |                    |                    |
| Serial interface                 | RS-232, RS-485, Keyboard  |                    |                    |
| USB port                         | 3 × USB2.0  |                    |                    |
| Alarm in / out                   | 16 / 4  |                    |                    |
| <b>General</b>                   |   |                    |                    |
| Power supply                     | 100 ~ 240VAC, 47 ~ 63HZ   |                    |                    |
| Consumption (without hard disks) | ≤ 35W   | ≤ 45W              | ≤ 65W              |
| Working temperature              | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |                    |                    |
| Working humidity                 | 10% ~ 90%   |                    |                    |
| Chassis                          | 19-inch rack-mounted 2U chassis   |                    |                    |
| Dimensions (W × D × H)           | 445 × 470 × 90 mm (17.5 × 18.5 × 3.5 inch)  |                    |                    |
| Weight (without hard disks)      | ≤ 8Kg (17.6 lb)   |                    |                    |

PTZ DOME

NETWORK

ANALOG

DVR

NVR

ATM DVR

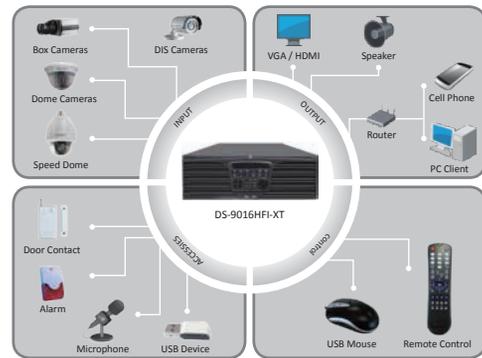
VIDEO ENCODER

CARD

NETWORK STORAGE

# DS-9016HFI-XT

## Embedded Hybrid DVR



### Key features

- H.264 video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- Up to 16 SATA interfaces
- RAID 0,1,5,10 supported
- Dual Gigabit network interfaces

### Rear Panel of DS-9016HFI-XT



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 Serial Interface, Keyboard Interface, Alarm in, Alarm out
16. GND
17. 100 ~ 240VAC power input
18. Power switch
19. USB port

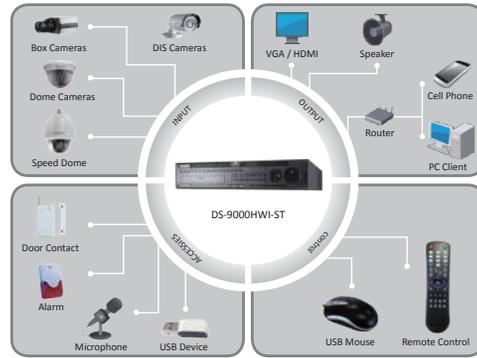
### Available models

DS-9016HFI-XT

| DS-9016HFI-XT                              |  |
|--|--|
| <b>Video/Audio input</b>                   |  |
| Analog video input                         | 16-ch; BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  |
| IP video input                             | Up to 32-ch  |
| Composite video input                      | Up to 32-ch (Analog video + IP video)  |
| Composite video input                      | Audio input 16-ch, Audio 1-4: RCA (2.0 Vp-p, 1 KΩ); Audio 5-16: DB26 connector   |
| Incoming bandwidth                         | 80 Mbps  |
| <b>Video/Audio output</b>                  |  |
| HDMI output                                | 1920 × 1080 / 60 Hz (1080P), 1920 × 1080 / 50 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |
| VGA output                                 | 1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                              |
| CVBS output                                | 5-ch (1 Main output + 4 Spot output); BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                    |
| Video loop out                             | 16-ch, BNC (1.0 Vp-p, 75 Ω)  |
| Encoding resolution                        | Main stream: 4CIF / 2CIF / CIF / QCIF, Sub-stream: CIF / QCIF  |
| Frame rate                                 | Main stream: 25 fps (P) / 30 fps (N), Sub-stream: 25 fps (P) / 30 fps (N)  |
| Video bitrate                              | 32 Kbps ~ 8 Mbps   |
| Audio output                               | 2-ch, RCA (2.0 Vp-p, 1 KΩ)   |
| Max. remote connection                     | 128-ch   |
| Outgoing bandwidth                         | 240 Mbps   |
| <b>Encoding/Decoding Parameters</b>        |  |
| Video compression                          | H.264  |
| Encoding resolution                        | Main stream: 4CIF / 2CIF / CIF / QCIF, Sub-stream: CIF / QCIF  |
| Frame rate                                 | Main stream: 25 fps (P) / 30 fps (N), Sub-stream: 25 fps (P) / 30 fps (N)  |
| Video bitrate                              | 32 Kbps ~ 8 Mbps   |
| Audio compression/bitrate                  | OggVorbis/16 Kbps  |
| Stream type                                | Video, Video & Audio   |
| Dual-stream                                | Support  |
| Playback resolution                        | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |
| Synchronous playback                       | 16-ch  |
| <b>Hard disk</b>                           |  |
| Type                                       | 16 SATA interfaces; 2 eSATA interface  |
| Capacity                                   | Up to 4 TB capacity for each disk  |
| <b>Disk array</b>                          |  |
| Array type                                 | RAID0, RAID1, RAID5, RAID10  |
| Number of array                            | 16   |
| Number of virtual disk                     | 16   |
| <b>External interface</b>                  |  |
| Two-way audio                              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |
| Network interface                          | 2; 10M/100M/1000M self-adaptive Ethernet interface   |
| Serial interface                           | RS-232, RS-485, Keyboard   |
| USB port                                   | 3 × USB2.0   |
| Alarm in/out                               | 16/4   |
| <b>General</b>                             |  |
| Power supply                               | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz   |
| Consumption (without hard disk or DVD-R/W) | Max. 45W   |
| Working temperature                        | -10 °C ~ +55 °C (14 °F ~ 131 °F)   |
| Working humidity                           | 10%~90%  |
| Chassis                                    | 19-inch rack-mounted 3U chassis  |
| Dimensions(W × D × H)                      | 445 × 496 × 146 mm   |
| Weight                                     | Approx. 12.5 kg / 27.6 lb (without hard disk or DVD-R/W)   |

# DS-9004/08/16HWI-ST

## 960H Hybrid DVR



### Key features

- H.264 video compression
- WD1(960\*576) resolution real-time recording
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- 8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces

### Rear Panel of DS-9016HWI-ST



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100 ~ 240 VAC power input
18. Power switch

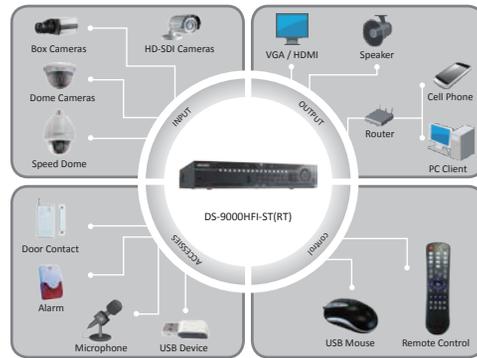
### Available models

- DS-9004HWI-ST
- DS-9008HWI-ST
- DS-9016HWI-ST

|  | DS-9004HWI-ST   | DS-9008HWI-ST   | DS-9016HWI-ST   |
|--|---|---|---|
| <b>Video/Audio input</b>                   |   |   |   |
| Analog video input                         | 4-ch,<br>BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive   | 8-ch,   | 16-ch,  |
| IP video input                             | Up to 8-ch  | Up to 16-ch   | Up to 32-ch   |
| Composite video input                      | Up to 8-ch<br>(Analog video + IP video)   | Up to 16-ch<br>(Analog video + IP video)                            | Up to 32-ch<br>(Analog video + IP video)                              |
| Audio input                                | 4-ch, RCA (2.0Vp-p, 1kΩ)  | 8-ch,<br>Audio 1-4: RCA (2.0Vp-p, 1kΩ)<br>Audio 5-8: DB26 connector | 16-ch,<br>Audio 1-4: RCA (2.0Vp-p, 1kΩ)<br>Audio 5-16: DB26 connector |
| Incoming bandwidth                         | 20 Mbps   | 40 Mbps   | 80 Mbps   |
| <b>Video/Audio output</b>                  |   |   |   |
| HDMI / VGA output                          | 1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |   |   |
| CVBS output                                | 2-ch (1 Main output + 1 Spot output)<br>BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480     | 5-ch (1 Main output + 4 Spot outputs)                               |   |
| Video loop out                             | 4-ch,<br>BNC (1.0 Vp-p, 75 Ω)   | 8-ch,   | 16-ch,  |
| Audio output                               | 2-ch, RCA (2.0 Vp-p, 1 KΩ)  |   |   |
| Max. remote connection                     | 128-ch  |   |   |
| Outgoing bandwidth                         | 240 Mbps  | 240 Mbps  | 240 Mbps  |
| <b>Encoding/Decoding Parameters</b>        |   |   |   |
| Video compression                          | H.264   |   |   |
| Encoding resolution                        | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF<br>Sub-stream: CIF / QCIF   |   |   |
| Frame rate                                 | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)                                   |   |   |
| Video bitrate                              | 32 Kbps ~ 8 Mbps  |   |   |
| Audio compression                          | OggVorbis   |   |   |
| Audio bitrate                              | 16 Kbps   |   |   |
| Stream type                                | Video, Video & Audio  |   |   |
| Dual-stream                                | Support   |   |   |
| Synchronous playback                       | 8-ch  | 16-ch   |   |
| <b>Hard disk</b>                           |   |   |   |
| Type                                       | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs; 1 eSATA interface                               |   |   |
| Capacity                                   | Up to 4 TB capacity for each disk   |   |   |
| <b>External interface</b>                  |   |   |   |
| Two-way audio                              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  |   |   |
| Network interface                          | 2; 10M/100M/1000M self-adaptive Ethernet interface  |   |   |
| Serial interface                           | RS-232, RS-485, Keyboard  |   |   |
| USB port                                   | 3 × USB2.0  |   |   |
| Alarm in/out                               | 4 / 2   | 16 / 4  | 16 / 4  |
| <b>General</b>                             |   |   |   |
| Power supply                               | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz  |   |   |
| Consumption (without hard disk or DVD-R/W) | Max. 35W  | Max. 40W  | Max. 45W  |
| Working temperature                        | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |   |   |
| Working humidity                           | 10%~90%   |   |   |
| Chassis                                    | 19-inch rack-mounted 2U chassis   |   |   |
| Dimensions(W × D × H)                      | 445 × 470 × 90 mm   |   |   |
| Weight                                     | Approx. 8 kg / 17.6 lb (without hard disk or DVD-R/W)   |   |   |

# DS-9004/08/16HFI-ST(-RT)

## Embedded Hybrid DVR



### Key features

- H.264 video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- 8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces
- RAID 0,1,5,10 supported(DS-9004/08/16HFI-RT)

### Rear Panel of DS-9016HFI-ST(-RT)



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector  
(not available for DS-9004HFI-ST)
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard interface, alarm in, alarm out
16. GND
17. 100 ~ 240VAC power input
18. Power Switch

### Available models

DS-9004HFI-ST, DS-9004HFI-RT  
 DS-9008HFI-ST, DS-9008HFI-RT  
 DS-9016HFI-ST, DS-9016HFI-RT

|  | DS-9004HFI-ST(RT)  | DS-9008HFI-ST(RT)  | DS-9016HFI-ST(RT)   |
|--|--|--|---|
| <b>Video/Audio input</b>                                     |  |  |   |
| Analog Video input   | 4-ch,<br>BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  | 8-ch,  | 16-ch,  |
| IP Video input   | Up to 8-ch   | Up to 16-ch  | Up to 32-ch   |
| Composited video input                                       | Up to 8-ch<br>(Analog video + IP video)  | Up to 16-ch<br>(Analog video + IP video)                         | Up to 32-ch<br>(Analog video + IP video)                        |
| Audio input  | 4-ch, RCA (2.0 Vp-p, 1 kΩ)   | 8-ch, Audio 1-4: RCA (2.0 Vp-p, 1 kΩ), Audio 5-8: DB26 connector | 16-ch, Audio 1-4: RCA (2.0Vp-p, 1 kΩ), Audio 5-16:DB26 onnector |
| Incoming bandwidth   | 20 Mbps  | 40 Mbps  | 80 Mbps   |
| Two-way audio input  | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |  |   |
| <b>Video/Audio output</b>                                    |  |  |   |
| HDMI output  | 1920 × 1080 / 60 Hz (1080P), 1920 × 1080 / 50 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |  |   |
| VGA output   | 1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                              |  |   |
| CVBS output  | 2-ch (1 Main output + 1 Spot output)<br>BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                  | 5-ch (1 Main output + 4 Spot outputs)                            | 5-ch (1 Main output + 4 Spot outputs)                           |
| Video loop out   | 4-ch<br>BNC (1.0 Vp-p, 75 Ω)   | 8-ch   | 16-ch   |
| Audio output   | 2-ch, RCA (2.0 Vp-p, 1 KΩ)   |  |   |
| Max. remote connection                                       | 128-ch   |  |   |
| Outgoing bandwidth   | 240 Mbps   | 240 Mbps   | 240 Mbps  |
| <b>Encoding/Decoding Parameters</b>                          |  |  |   |
| Video compression  | H.264  |  |   |
| Encoding resolution  | Main stream: 4CIF / 2CIF / CIF / QCIF; Sub-stream: CIF / QCIF  |  |   |
| Frame rate   | Main stream: 25 fps (P) / 30 fps (N); Sub-stream: 25 fps (P) / 30 fps (N)  |  |   |
| Video bitrate  | 32 Kbps ~ 8 Mbps   |  |   |
| Audio compression  | OggVorbis  |  |   |
| Audio bitrate  | 16 Kbps  |  |   |
| Stream type  | Video, Video & Audio   |  |   |
| Dual-stream  | Support  |  |   |
| Playback resolution  | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |  |   |
| Synchronous playback   | 8-ch   | 16-ch  | 16-ch   |
| <b>Hard disk</b>   |  |  |   |
| Type   | 8 SATA interfaces for 4 HDDs + 1 DVD-RW (default), or 8HDDs; 1 eSATA interface   |  |   |
| Capacity   | Up to 4 TB capacity for each disk  |  |   |
| <b>Disk array (DS-9004/9008/9016HFI-RT series supported)</b> |  |  |   |
| Array type   | RAID0, RAID1, RAID5, RAID10  |  |   |
| Number of array  | 8  |  |   |
| Number of virtual disk                                       | 8  |  |   |
| <b>External interface</b>                                    |  |  |   |
| Two-way audio  | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |  |   |
| Network interface  | 2; 10M/100M/1000M self-adaptive Ethernet interface   |  |   |
| Serial interface   | RS-232, RS-485, Keyboard   |  |   |
| USB port   | 2 × USB2.0   |  |   |
| Alarm in/out   | 4 / 2  | 16 / 4   | 16 / 4  |
| <b>General</b>   |  |  |   |
| Power supply   | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz   |  |   |
| Consumption (without hard disk or DVD-R/W)                   | Max. 35W   | Max. 40W   | Max. 45W  |
| Working temperature  | -10 °C ~ +55 °C (14 °F ~ 131 °F)   |  |   |
| Working humidity   | 10%-90%  |  |   |
| Chassis  | 19-inch rack-mounted 2U chassis  |  |   |
| Dimensions(W × D × H)  | 445 × 470 × 90 mm  |  |   |
| Weight   | Approx. 8 kg / 17.6 lb (without hard disk or DVD-RW)   |  |   |

# DS-8004/08/16HFI-ST

## Embedded Hybrid DVR



### Key features

- H.264 video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920x1080P resolution
- 8/16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-8016HFI-ST



1. Video in
2. Audio in
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232
8. VGA interface
9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
13. RS-485 serial interface, keyboard interface, alarm in, alarm out
14. GND
15. 100 ~ 240 VAC
16. POWER

### Available models

- DS-8004HFI-ST
- DS-8008HFI-ST
- DS-8016HFI-ST

|  | DS-8004HFI-ST  | DS-8008HFI-ST                            | DS-8016HFI-ST                            |
|--|--|--|--|
| <b>Video/Audio input</b>                   |  |  |  |
| Analog Video input                         | 4-ch,<br>BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  | 8-ch,                                    | 16-ch,                                   |
| IP Video input                             | Up to 8-ch   | Up to 16-ch                              | Up to 32-ch                              |
| Composited video input                     | Up to 8-ch<br>(Analog video + IP video)  | Up to 16-ch<br>(Analog video + IP video) | Up to 32-ch<br>(Analog video + IP video) |
| Audio input                                | 4-ch,<br>BNC (2.0 Vp-p, 1 KΩ)  | 8-ch,                                    | 16-ch,                                   |
| Incoming bandwidth                         | 20 Mbps  | 40 Mbps                                  | 80 Mbps                                  |
| <b>Video/Audio output</b>                  |  |  |  |
| HDMI output                                | 1920 × 1080 / 60 Hz (1080P), 1920 × 1080 / 50 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |  |  |
| VGA output                                 | 1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                              |  |  |
| CVBS output                                | 2-ch (1 Main output + 1 Spot output)<br>BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                  |  |  |
| Audio output                               | 2-ch, BNC (Linear, 600 Ω)  |  |  |
| Max. remote connection                     | 128-ch   |  |  |
| Outgoing bandwidth                         | 240 Mbps   | 240 Mbps                                 | 240 Mbps                                 |
| <b>Encoding/Decoding Parameters</b>        |  |  |  |
| Video compression                          | H.264  |  |  |
| Encoding resolution                        | Main stream: 4CIF / 2CIF / CIF / QCIF<br>Sub-stream: CIF / QCIF  |  |  |
| Frame rate                                 | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)  |  |  |
| Video bitrate                              | 32 Kbps ~ 8 Mbps   |  |  |
| Audio compression                          | OggVorbis  |  |  |
| Audio bitrate                              | 16 Kbps  |  |  |
| Stream type                                | Video, Video & Audio   |  |  |
| Dual-stream                                | Support  |  |  |
| Playback resolution                        | 5MP / 3MP / 1080P / UXGA / 720P / VGA / 4CIF / DCIF / 2CIF / CIF / QCIF  |  |  |
| Synchronous playback                       | 8-ch   | 16-ch                                    | 16-ch                                    |
| <b>Hard disk</b>                           |  |  |  |
| Type                                       | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs; 1 eSATA interface  |  |  |
| Capacity                                   | Up to 4 TB capacity for each disk  |  |  |
| <b>External interface</b>                  |  |  |  |
| Two-way audio                              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |  |  |
| Network interface                          | 2; 10M/100M/1000M self-adaptive Ethernet interface   |  |  |
| Serial interface                           | RS-232, RS-485, Keyboard   |  |  |
| USB port                                   | 2 × USB2.0   |  |  |
| Alarm in/out                               | 4 / 2  | 16 / 4                                   | 16 / 4                                   |
| <b>General</b>                             |  |  |  |
| Power supply                               | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz   |  |  |
| Consumption (without hard disk or DVD-R/W) | Max. 35W   | Max. 40W                                 | Max. 45W                                 |
| Working temperature                        | -10 °C ~ +55 °C (14 °F ~ 131 °F)   |  |  |
| Working humidity                           | 10%~90%  |  |  |
| Chassis                                    | 19-inch rack-mounted 2U chassis  |  |  |
| Dimensions(W × D × H)                      | 445 × 470 × 90 mm  |  |  |
| Weight                                     | Approx. 8 kg / 17.6 lb (without hard disk or DVD-R/W)  |  |  |

# DS-7604/08/16HI-ST

## Embedded Hybrid DVR



### Key features

- H.264 video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7608HI-ST



1. Video in
2. Video out
3. Audio in
4. USB port
5. HDMI interface
6. VGA interface
7. Audio out
8. LAN interface
9. RS-485Serial interface, Keyboard interface
10. Power input
11. Power switcher
12. GND

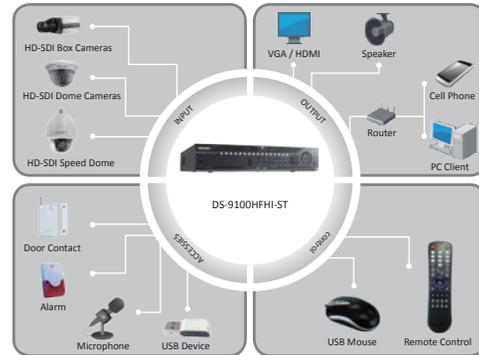
### Available models

- DS-7604HI-ST
- DS-7608HI-ST
- DS-7616HI-ST

|                                     | DS-7604HI-ST  | DS-7608HI-ST                                      | DS-7616HI-ST                             |
|-------------------------------------|---|---|--|
| <b>Video/Audio input</b>            |   |   |  |
| Analog video input                  | 4-ch  | 8-ch  | 16-ch                                    |
| Video input interface               | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  |   |  |
| IP video input                      | Up to 8-ch  | Up to 16-ch                                       | Up to 32-ch                              |
| Composite video input               | Up to 8-ch<br>(Analog video + IP video)   | Up to 16-ch<br>(Analog video + IP video)          | Up to 32-ch<br>(Analog video + IP video) |
| Audio input                         | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  | 4-ch, RCA (2.0 Vp-p, 1 KΩ)                        |  |
| Incoming bandwidth                  | 20 Mbps   | 40 Mbps   | 80 Mbps                                  |
| <b>Video/Audio output</b>           |   |   |  |
| HDMI / VGA output                   | 1920 × 1080 / 60 Hz (1080P), 1600 × 1200 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                         |   |  |
| CVBS output                         | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480   |   |  |
| Audio output                        | 1-ch, RCA (Linear, 1 KΩ)  |   |  |
| Max. remote connection              | 128-ch  |   |  |
| Outgoing bandwidth                  | 40 Mbps   | 240 Mbps  | 240 Mbps                                 |
| <b>Encoding/Decoding Parameters</b> |   |   |  |
| Video compression                   | H.264   |   |  |
| Encoding resolution                 | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF<br>Sub-stream: CIF / QCIF   |   |  |
| Frame rate                          | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)   |   |  |
| Video bitrate                       | 32 Kbps ~ 3 Mbps  |   |  |
| Audio compression                   | G.711   | OggVorbis   | OggVorbis                                |
| Audio bitrate                       | 64 Kbps   |   |  |
| Stream type                         | Video, Video & Audio  |   |  |
| Dual-stream                         | Support   |   |  |
| Playback resolution                 | 5MP/3MP/1080p/UXGA/720P/WD1/4CIF/VGA/DCIF/2CIF/CIF/QCIF   |   |  |
| Synchronous playback                | 8-ch  | 16-ch   | 16-ch                                    |
| <b>Record</b>                       |   |   |  |
| Record mode                         | Manual recording, Continuous recording, Motion detection recording, Alarm recording, Motion Alarm recording, Motion & Alarm recording |   |  |
| Playback mode                       | Instant playback, Normal playback, Event playback, Tag playback   |   |  |
| Backup mode                         | Normal backup, Event backup   |   |  |
| <b>Network</b>                      |   |   |  |
| Protocol                            | IPv6, HTTPS, UPnP™, SNMP, NTP, SADP, SMTP, NFS, iSCSI, PPPoE, etc.  |   |  |
| <b>Hard disk</b>                    |   |   |  |
| Type                                | 1 SATA interface  | 2 SATA interfaces                                 | 2 SATA interfaces                        |
| Capacity                            | Up to 4 TB capacity for each disk   |   |  |
| <b>External interface</b>           |   |   |  |
| Two-way audio                       | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (Using audio input)  |   |  |
| Network interface                   | 1, 10M/100M self-adaptive Ethernet interface  | 1, 10M/100/1000M self-adaptive Ethernet interface |  |
| Serial interface                    | 1 RS-485 interface, half-duplex   |   |  |
| USB port                            | 2 × USB2.0  |   |  |
| Alarm in/out                        | Optional  |   |  |
| <b>General</b>                      |   |   |  |
| Power supply                        | 12 VDC  |   |  |
| Consumption (without hard disk)     | Max. 10W  |   |  |
| Working temperature                 | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |   |  |
| Working humidity                    | 10%~90%   |   |  |
| Chassis                             | Standalone 1U chassis   | 19-inch rack-mounted 1U chassis                   |  |
| Dimensions (W×D×H)                  | 315 × 242 × 45 mm   | 445 × 290 × 45 mm                                 |  |
| Weight                              | Approx. 2 kg / 4.4 lb (without hard disk)   |   |  |

# DS-9104/08HFHI-ST

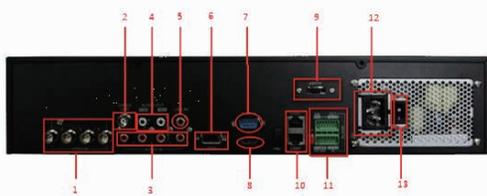
## HD-SDI DVR



### Key features

- H.264 video compression
- 1920×1080P resolution real-time recording
- 4/8 HD-SDI interfaces input
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces

### Rear Panel of DS-9104HFHI-ST



1. HD-SDI interface
2. Video out
3. Audio in
4. Audio out
5. Line in
6. VGA
7. RS-232
8. HDMI
9. e-SATA
10. Network interface
11. RS-485 serial interface, keyboard interface, Alarm in, alarm out
12. Power outlet
13. Switch

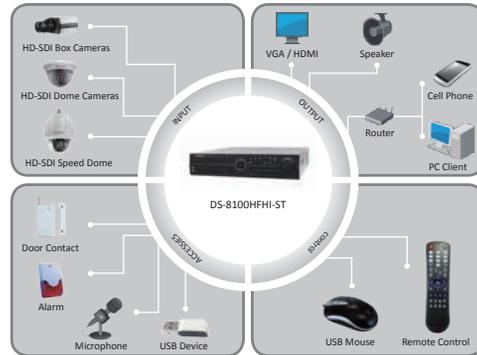
### Available models

- DS-9104HFHI-ST
- DS-9108HFHI-ST

|                               | DS-9104HFHI-ST  | DS-9108HFHI-ST                          |
|-------------------------------|---|---|
| <b>Video/Audio input</b>      |   |   |
| Video compression             | H.264   |   |
| HD-SDI video input            | 4-ch; HD-SDI interface; (800mVp-p, 75Ω)   | 8-ch; HD-SDI interface; (800mVp-p, 75Ω) |
| Supported HD-SDI Camera Types | 720P / 25, 720P / 30, 720P / 50, 720P / 60, 1080P / 25, 1080P / 30, 1080I / 50, 1080I / 60,   |   |
| Audio compression             | OggVorbis   |   |
| Audio input                   | 4-ch, RCA (2.0Vp-p, 1kΩ)  | 8-ch, RCA (2.0Vp-p, 1kΩ)                |
| Two-way audio input           | 1-ch, RCA (2.0Vp-p, 1kΩ)  |   |
| <b>Video/Audio output</b>     |   |   |
| HDMI output                   | 1-ch, resolution: 1920*1080 /60Hz(1080P),1600*1200 /60Hz, 1280*1024 /60Hz, 1280*720 /60Hz, 1024*768 /60Hz   |   |
| VGA output                    | 1-ch, resolution: 1920*1080 /60Hz(1080P),1600*1200 /60Hz, 1280*1024 /60Hz, 1280*720 /60Hz, 1024*768 /60Hz   |   |
| CVBS output                   | 1-ch, BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480   |   |
| Audio Output                  | 2-ch, RCA (2.0Vp-p, 600Ω)   |   |
| <b>Compression</b>            |   |   |
| Encoding resolution           | 1920*1080 / 1280*720 / 4CIF / CIF   |   |
| Frame rate                    | 1 / 16fps- Real time frame rate   |   |
| Video bit rate                | 32 Kbps-16384 Kbps user defined (Max. 16384 Kbps)   |   |
| Audio bit rate                | 16 Kbps   |   |
| Dual stream                   | Support   |   |
| Stream type                   | Video / Video & Audio   |   |
| Synchronous playback          | 4-ch  | 8-ch                                    |
| Playback resolution           | 1920*1080 / 1280*720 / 4CIF / CIF   |   |
| <b>Hard disk</b>              |   |   |
| SATA                          | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs  |   |
| eSATA                         | 1 eSATA interface   |   |
| Capacity                      | Up to 4TB capacity for each disk  |   |
| <b>External interface</b>     |   |   |
| Network interface             | 2, RJ45 10M / 100M / 1000M self-adaptive Ethernet   |   |
| Serial interface              | 1 RS-232 interface (for parameters configuration, maintenance, transparent channel);<br>1 RS-485 interface (for PTZ control);<br>1 RS-485 keyboard interface (for special keyboard control) |   |
| USB interface                 | 2, USB 2.0  |   |
| Alarm in/out                  | 4/2   | 16/4                                    |
| <b>General</b>                |   |   |
| Power supply                  | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz  |   |
| Consumption                   | Max. 40W  | Max. 55W                                |
| Working temperature           | -10 °C ~ +55 °C   |   |
| Working humidity              | 10% ~ 90%   |   |
| Chassis                       | 19-inch rack-mounted 2U chassis   |   |
| Dimensions(W × D × H)         | 445 × 470 ×90 mm  |   |
| Weight                        | ≤ 8 Kg (17.6 lb) (without hard disk or DVD-R/W)   |   |

# DS-8104/08/16HFHI-ST

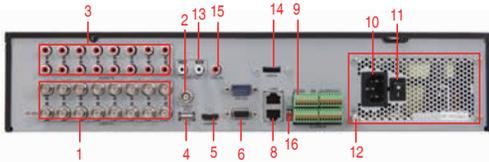
## HD-SDI DVR



### Key features

- 4/8/16-ch HD-SDI video&audio input
- H.264 & Dual-stream video compression
- 1920×1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual Gigabit network interfaces
- HDD quota and group management

### Rear Panel of DS-8100HFHI-ST



1. Video in
2. Video out
3. Audio in, rca connector
4. USB port
5. HDMI interface
6. VGA interface
7. CVBS audio out and VGA audio out
8. LAN1 and LAN2 network interface
9. RS-485 serial interface
10. 100~240V AC power input
11. Power switch
12. GND
13. Line in
14. Esata interface
15. RS-232 serial port
16. Termination switch

### Available models

DS-7604HFHI-ST

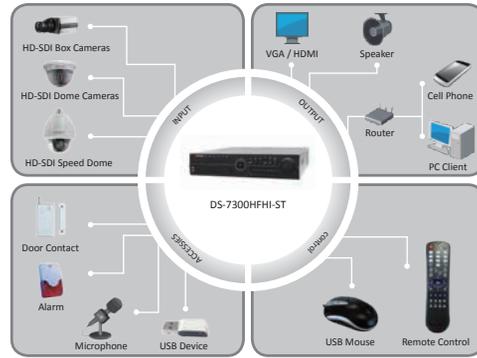
DS-7608HFHI-ST

DS-7616HFHI-ST

|                                  | DS-8104HFHI-ST   | DS-8108HFHI-ST | DS-8116HFHI-ST |
|----------------------------------|--|----------------|----------------|
| <b>Video/Audio input</b>         |  |                |                |
| Video compression                | H.264  |                |                |
| video input                      | 4-ch   | 8-ch           | 16-ch          |
|                                  | HD-SDI interface (800 mVp-p, 75 Ω)                                       |                |                |
| Supported HD-SDI camera types    | 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50, 720P30, 720P25       |                |                |
| Audio compression                | G.711u   |                |                |
| Audio input                      | 4-ch   | 8-ch           | 16-ch          |
|                                  | RCA (2.0 Vp-p, 1 KΩ)   |                |                |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |                |                |
| <b>Video/Audio output</b>        |  |                |                |
| HDMI / VGA output                | 1920×1080/60Hz, 1280×1024/60Hz, 1280×720/60Hz, 1024×768/60Hz             |                |                |
| CVBS output                      | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480  |                |                |
| Encoding resolution              | Main stream: 1080P / 720P / VGA / 4CIF / CIF                             |                |                |
|                                  | Sub-stream: 4CIF(non-real-time) / CIF / QCIF / QVGA                      |                |                |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate                             |                |                |
|                                  | Sub-stream: 1/16 fps ~ Real time frame rate                              |                |                |
| Video bitrate                    | 32 Kbps-10 Mbps  |                |                |
| Audio output                     | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)     |                |                |
| Audio bitrate                    | 64 Kbps  |                |                |
| Dual-stream                      | Support  |                |                |
| Stream type                      | Video, Video & Audio   |                |                |
| Synchronous playback             | 4-ch   | 8-ch           | 16-ch          |
| Playback resolution              | 1080P/720P/4CIF/VGA/CIF/QCIF/QVGA  |                |                |
| <b>Network management</b>        |  |                |                |
| Output bandwidth                 | 200Mbps  |                |                |
| Remote connection                | 128  |                |                |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™ |                |                |
| <b>Hard disk</b>                 |  |                |                |
| Type                             | 8 SATA interfaces for 8 HDDs; 1 eSATA interface                          |                |                |
| Capacity                         | Up to 4 TB capacity for each disk  |                |                |
| <b>External interface</b>        |  |                |                |
| Network interface                | 2; 10M / 100M / 1000M self-adaptive Ethernet interfaces                  |                |                |
| Serial interface                 | RS-232, RS-485, Keyboard;  |                |                |
| USB port                         | 3 × USB2.0   |                |                |
| Alarm in/out                     | 16/4   |                |                |
| <b>General</b>                   |  |                |                |
| Power supply                     | 100 ~ 240VAC, 47 ~ 63HZ  |                |                |
| Consumption (without hard disks) | ≤ 35W  | ≤ 45W          | ≤ 65W          |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)  |                |                |
| Working humidity                 | 10% ~ 90%  |                |                |
| Chassis                          | 19-inch rack-mounted 2U chassis  |                |                |
| Dimensions (W × D × H)           | 445 × 470 × 90 mm  |                |                |
| Weight                           | ≤ 8Kg (without hard disks)   |                |                |

# DS-7304/08/16HFHI-ST

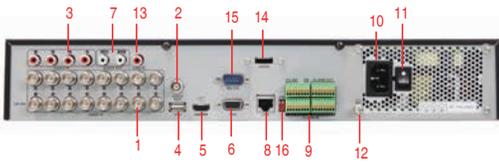
## HD-SDI DVR



### Key features

- 4/8/16-ch HD-SDI video&audio input
- H.264 & Dual-stream video compression
- 1920×1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Gigabit network interfaces
- HDD quota and group management

### Rear Panel of DS-7300HFHI-ST



1. Video in
2. Video out
3. Audio in, rca connector
4. USB port
5. HDMI interface
6. VGA interface
7. CVBS audio out and VGA audio out
8. LAN1 and LAN2 network interface
9. RS-485 serial interface
10. 100~240V AC power input
11. Power switch
12. GND
13. Line in
14. Esata interface
15. RS-232 serial port
16. Termination switch

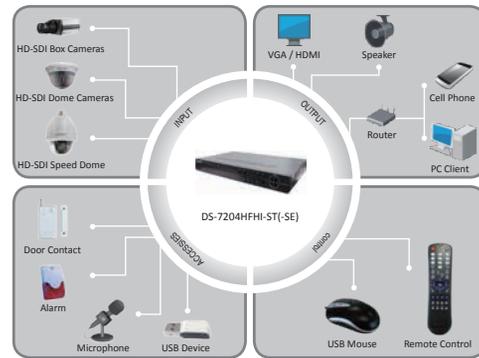
### Available models

- DS-7304HFHI-ST
- DS-7308HFHI-ST
- DS-7316HFHI-ST

|                               | DS-7304HFHI-ST  | DS-7308HFHI-ST             | DS-7316HFHI-ST             |
|-------------------------------|---|----------------------------|----------------------------|
| <b>Video/Audio input</b>      |   |                            |                            |
| Video compression             | H.264   |                            |                            |
| HD-SDI video input            | 4-ch  | 8-ch                       | 16-ch                      |
|                               | HD-SDI interface (800 mVp-p, 75 Ω)  |                            |                            |
| Supported HD-SDI camera types | 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50, 720P30, 720P25                                  |                            |                            |
| Audio compression             | G.711u  |                            |                            |
| Audio input                   | 4-ch, RCA (2.0 Vp-p, 1 KΩ)  |                            |                            |
| Two-way audio in              | 1-ch, RCA (2.0 Vp-p, 1 KΩ)  |                            |                            |
| <b>Video/Audio output</b>     |   |                            |                            |
| HDMI / VGA output             | 1920 × 1080 / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                    |                            |                            |
| CVBS output                   | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                             |                            |                            |
| Encoding resolution           | Main stream: 1080P / 720P / VGA / 4CIF / CIF<br>Sub-stream: 4CIF(non-real-time) / CIF / QCIF / QVGA |                            |                            |
| Frame rate                    | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate         |                            |                            |
| Video bitrate                 | 32 Kbps-16 Mbps   |                            |                            |
| Audio output                  | 2-ch, RCA (Linear, 1KΩ, for VGA output and CVBS output respectively)                                |                            |                            |
| Audio bitrate                 | 64 Kbps   |                            |                            |
| Dual-stream                   | Support   |                            |                            |
| Stream type                   | Video, Video & Audio  |                            |                            |
| Synchronous playback          | 4-ch  | 8-ch                       | 16-ch                      |
| Playback resolution           | 1080P / 720P / VGA / 4CIF / CIF / QVGA / QCIF   |                            |                            |
| <b>Network management</b>     |   |                            |                            |
| Output bandwidth              | 200Mbps   |                            |                            |
| Remote connection             | 128   |                            |                            |
| Network protocols             | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™                            |                            |                            |
| <b>Hard disk</b>              |   |                            |                            |
| Type                          | 4 SATA interfaces for 4 HDDs (default); 1 eSATA interface   |                            |                            |
| Capacity                      | Up to 4 TB capacity for each disk   |                            |                            |
| <b>External interface</b>     |   |                            |                            |
| Network interface             | 1; 10M / 100M / 1000M self-adaptive Ethernet interface  |                            |                            |
| Serial interface              | RS-232, RS-485, Keyboard;   |                            |                            |
| USB port                      | 3 × USB2.0  |                            |                            |
| Alarm in/out                  | 16/4  |                            |                            |
| <b>General</b>                |   |                            |                            |
| Power supply                  | 100 ~ 240VAC, 47 ~ 63HZ   |                            |                            |
| Consumption                   | ≤ 35W (without hard disks)  | ≤ 45W (without hard disks) | ≤ 65W (without hard disks) |
| Working temperature           | -10 °C ~+55 °C (14 °F ~ 131 °F)   |                            |                            |
| Working humidity              | 10% ~ 90%   |                            |                            |
| Chassis                       | 19-inch rack-mounted 2U chassis   |                            |                            |
| Dimensions (W × D × H)        | 440 × 390 × 70 mm   |                            |                            |
| Weight                        | ≤ 8Kg (without hard disks)  |                            |                            |

# DS-7204/08HFHI-ST

## HD-SDI DVR



### Key features

- H.264 video compression
- Special for HD-SDI cameras
- 1920×1080P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7204HFHI-ST



1. HD-SDI interface
2. Audio in
3. Audio out
4. VGA Interface
5. HDMI Interface
6. USB Port
7. Network Interface
8. RS-485 Interface
9. Power Input
10. Power Switch
11. GND

### Available models

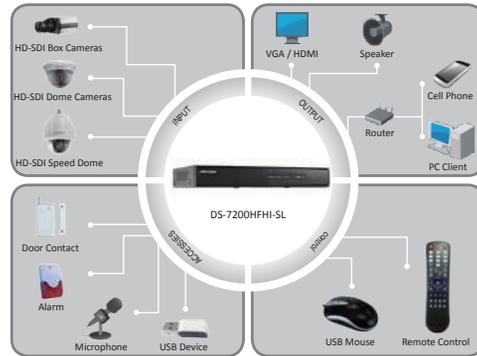
DS-7204HFHI-ST

DS-7208HFHI-ST

|                                  | DS-7204HFHI-ST  | DS-7208HFHI-ST           |
|----------------------------------|---|--------------------------|
| <b>Video/Audio input</b>         |   |                          |
| Video compression                | H.264   |                          |
| HD-SDI video input               | 4-ch  | 8-ch                     |
|                                  | HD-SDI interface (800 mVp-p, 75 Ω)  |                          |
| Supported HD-SDI Camera Types    | 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50, 720P30, 720P25  |                          |
| Audio compression                | G.711u  |                          |
| Audio input                      | 4-ch  | 8-ch                     |
|                                  | RCA (2.0 Vp-p, 1 KΩ)  |                          |
| Two-way audio in                 | 1-ch, RCA (2.0 Vp-p, 1 KΩ), (using the 1 <sup>st</sup> channel of audio input)  |                          |
| <b>Video/Audio output</b>        |   |                          |
| HDMI / VGA output                | 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                                |                          |
| Encoding resolution              | Main stream: 1920 × 1080 (1080P) / 1280 × 720 / VGA / 4CIF / CIF<br>Sub-stream: 4CIF(non-real-time) / CIF / QCIF / QVGA |                          |
| Frame rate                       | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate                             |                          |
| Video bitrate                    | 32 Kbps-16 Mbps   |                          |
| Audio output                     | 1-ch, RCA (Linear, 1KΩ)   |                          |
| Audio bitrate                    | 64 Kbps   |                          |
| Dual-stream                      | Support   |                          |
| Stream type                      | Video, Video & Audio  |                          |
| Synchronous playback             | 2-ch, 1080P / 4-ch, 4CIF  | 2-ch, 1080P / 8-ch, 4CIF |
| Playback resolution              | 1920 × 1080 (1080P) / 1280 × 720 / VGA / 4CIF / CIF   |                          |
| <b>Remote access</b>             |   |                          |
| Output bandwidth                 | 128Mbps   | 256Mbps                  |
| Remote connections               | 128   |                          |
| <b>Network management</b>        |   |                          |
| Network protocols                | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™  |                          |
| <b>Hard disk</b>                 |   |                          |
| SATA                             | 2 SATA interfaces   |                          |
| Capacity                         | Up to 4 TB capacity for each disk   |                          |
| <b>External interface</b>        |   |                          |
| Network interface                | 1; 10M / 100M / 1000M self-adaptive Ethernet interface  |                          |
| Serial interface                 | 1; standard RS-485 serial interface, half-duplex  |                          |
| USB port                         | 2 x USB2.0  |                          |
| Alarm in/out                     | 4/1 optional  |                          |
| <b>General</b>                   |   |                          |
| Power supply                     | 12V DC  |                          |
| Consumption (without hard disks) | Max. 15 W   | Max. 20 W                |
| Working temperature              | -10 °C ~+55 °C (14 °F ~ 131 °F)   |                          |
| Working humidity                 | 10% ~ 90%   |                          |
| Chassis                          | 19-inch rack-mounted 1U chassis   |                          |
| Dimension(W × D × H)             | 445 × 290 × 45 mm   |                          |
| Weight                           | 4 kg / 8.8lb (without hard disk)  |                          |

# DS-7204/08HFHI-SL

## HD-SDI DVR



### Key features

- H.264 video compression
- Special for HD-SDI cameras
- 1280×720P resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7204HFHI-SL



1. HD-SDI interface
2. Audio in
3. Audio out
4. VGA Interface
5. HDMI Interface
6. USB Port
7. Network Interface
8. RS-485 Interface
9. Power Input
10. Power Switch
11. GND

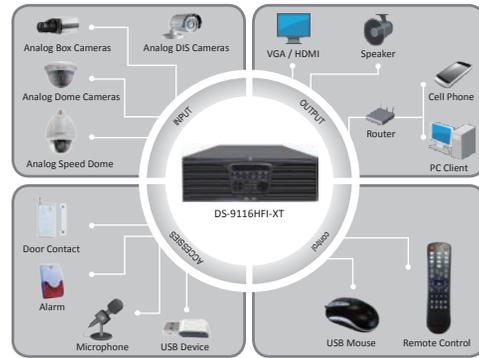
### Available models

- DS-7204HFHI-SL
- DS-7208HFHI-SL

|                                 | DS-7204HFHI-SL  | DS-7208HFHI-SL |
|---------------------------------|---|----------------|
| <b>Video/Audio input</b>        |   |                |
| Video compression               | H.264   |                |
| HD-SDI video input              | 4-ch  | 8-ch           |
|                                 | HD-SDI interface (800 mVp-p, 75 Ω)  |                |
| Supported HD-SDI Camera Types   | 1080I60, 1080I50, 1080P30, 1080P25, 720P60, 720P50, 720P30, 720P25  |                |
| Audio compression               | G.711u  |                |
| Audio input                     | 1-ch<br>RCA (2.0 Vp-p, 1 KΩ)  |                |
| Two-way audio in                | 1-ch, RCA (2.0 Vp-p, 1 KΩ) (using audio input)  |                |
| <b>Video/Audio output</b>       |   |                |
| HDMI / VGA output               | 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz                              |                |
| Encoding resolution             | Main stream: 1920 × 1080@12fps / 1280 × 720 / VGA / 4CIF / CIF<br>Sub-stream: 4CIF(non-real-time) / CIF / QCIF / QVGA |                |
| Frame rate                      | Main stream: 1/16 fps ~ Real time frame rate<br>Sub-stream: 1/16 fps ~ Real time frame rate                           |                |
| Video bitrate                   | 32 Kbps-16 Mbps   |                |
| Audio output                    | 1-ch, RCA (Linear, 1KΩ)   |                |
| Audio bitrate                   | 64 Kbps   |                |
| Dual-stream                     | Support   |                |
| Stream type                     | Video, Video & Audio  |                |
| Synchronous playback            | 2-ch, 720P/4-ch, 4CIF   |                |
| Playback resolution             | 1920 × 1080 (1080P) / 1280 × 720 / VGA / 4CIF / CIF   |                |
| <b>Remote access</b>            |   |                |
| Output bandwidth                | 128Mbps   | 256Mbps        |
| Remote connection               | 128   |                |
| <b>Network management</b>       |   |                |
| Network protocols               | TCP/IP, PPPoE, DHCP, DNS, DDNS, NTP, SADP, SMTP, SNMP, NFS, iSCSI, UPnP™  |                |
| <b>Hard disk</b>                |   |                |
| SATA                            | 1 SATA interface  |                |
| Capacity                        | Up to 4 TB capacity for each disk   |                |
| <b>External interface</b>       |   |                |
| Network interface               | 1; 10M / 100M self-adaptive Ethernet interface  |                |
| Serial interface                | 1; standard RS-485 serial interface, half-duplex  |                |
| USB port                        | 2 x USB2.0  |                |
| Alarm in/out                    | 4/1 optional  |                |
| <b>General</b>                  |   |                |
| Power supply                    | 12V DC  |                |
| Consumption (without hard disk) | Max. 15 W   |                |
| Working temperature             | -10 °C ~+55 °C (14 °F ~ 131 °F)   |                |
| Working humidity                | 10% ~ 90%   |                |
| Chassis                         | Stand-alone 1U chassis  |                |
| Dimensions (W × D × H)          | 315×242×45 mm   |                |
| Weight                          | 1 kg / 2.2lb(without hard disks)  |                |

# DS-9116HFI-XT

## Standalone DVR



### Key features

- H.264 video compression
- 4CIF resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 16-ch synchronous playback
- Up to 16 SATA interfaces
- RAID 0,1,5,10 supported
- Dual Gigabit network interfaces

### Rear Panel of DS-9116HFI-XT



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 Serial Interface, Keyboard Interface, Alarm in, Alarm out
16. GND
17. 100 ~ 240VAC power input
18. Power switch
19. USB port

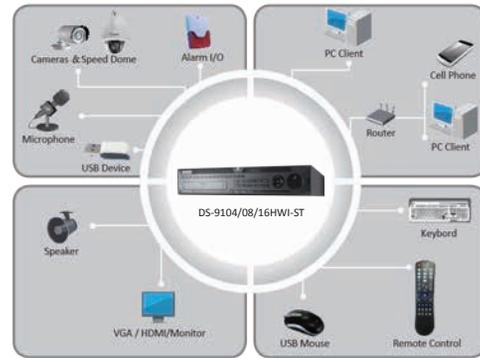
### Available models

DS-9116HFI-XT

| DS-9116HFI-XT             |  |
|---------------------------|--|
| <b>Video/Audio input</b>  |  |
| Video compression         | H.264  |
| Analog video input        | 16-ch, BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  |
| Audio compression         | OggVorbis  |
| Audio input               | 16-ch, Audio 1-4: RCA (2.0 Vp-p, 1 KΩ); Audio 5-16: DB26 connector   |
| Two-way audio input       | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |
| <b>Video/Audio output</b> |  |
| HDMI output               | 1920 × 1080 /60 Hz (1080P), 1920 × 1080 / 50 Hz(1080P), 1600 × 1200 /60 Hz, 1280 × 1024 /60 Hz, 1280 × 720 /60 Hz, 1024 × 768 /60 Hz |
| VGA output                | 1920 × 1080 /60 Hz (1080P), 1600 × 1200 /60 Hz, 1280 × 1024 /60 Hz, 1280 × 720 /60 Hz, 1024 × 768 /60 Hz                             |
| CVBS output               | 5-ch (1 Main output + 1 Spot output)<br>BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                            |
| Video loop out            | 16-ch, BNC (1.0 Vp-p, 75 Ω)  |
| Encoding resolution       | Main stream: 4CIF / 2CIF / CIF / QCIF; Sub-stream: CIF / QCIF  |
| Frame rate                | Main stream: 25 fps (P) / 30 fps (N); Sub-stream: 25 fps (P) / 30 fps (N)  |
| Video bitrate             | 32 Kbps ~ 8 Mbps   |
| Audio output              | 2-ch, RCA (2.0 Vp-p, 1 KΩ)   |
| Audio bitrate             | 16 Kbps  |
| Dual-stream               | Support  |
| Stream type               | Video, Video & Audio   |
| Playback resolution       | 4CIF / 2CIF / CIF / QCIF   |
| Synchronous playback      | 16-ch  |
| <b>Hard disk</b>          |  |
| SATA                      | 16 SATA interfaces for 16 HDDs (default);  |
| eSATA                     | 2 eSATA interfaces   |
| Capacity                  | Up to 4 TB capacity for each disk  |
| <b>Disk array</b>         |  |
| Array type                | RAID0, RAID1, RAID5, RAID10  |
| Number of array           | 16   |
| Number of virtual disk    | 16   |
| <b>External interface</b> |  |
| Network interface         | 2; 10M / 100M / 1000M self-adaptive Ethernet interface   |
| Serial interfaces         | RS-232, RS-485, Keyboard   |
| USB interface             | 3 x USB2.0   |
| Alarm in                  | 16   |
| Alarm out                 | 4  |
| <b>General</b>            |  |
| Power supply              | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz   |
| Consumption               | ≤ 45W  |
| Working temperature       | -10°C ~ +55°C (14 °F ~ 131 °F)   |
| Working humidity          | 10% ~ 90%  |
| Chassis                   | 19-inch rack-mounted 3U chassis  |
| Dimensions (W x D x H)    | 445 × 496 × 146 mm   |
| Weight                    | ≤ 12.5 kg / 27.6 lb (without hard disk or DVD-R/W)   |

# DS-9104/08/16HWI-ST

## 960H Standalone DVR



### Key features

- H.264 video compression
- WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces

### Rear Panel of DS-9116HWI-ST



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100 ~ 240 VAC power input
18. Power switch

### Available models

- DS-9104HWI-ST
- DS-9108HWI-ST
- DS-9116HWI-ST

|                        | DS-9104HWI-ST   | DS-9108HWI-ST   | DS-9116HWI-ST  |
|------------------------|---|---|--|
| Video/Audio input      |   |   |  |
| Video compression      | H.264   |   |  |
| Analog video input     | 4-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive   | 8-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive                 | 16-ch, BNC(1.0Vp-p, 75Ω), PAL / NTSC self-adaptive                 |
| Audio compression      | OggVorbis   |   |  |
| Audio input            | 4-ch, RCA (2.0Vp-p, 1kΩ)  | 8-ch, Audio 1-4: RCA (2.0Vp-p, 1kΩ)<br>Audio 5-8: DB26 connector  | 16-ch, Audio 1-4: RCA (2.0Vp-p, 1kΩ)<br>Audio 5-16: DB26 connector |
| Two-way audio input    | 1-ch, BNC (2.0Vp-p, 1kΩ)  |   |  |
| Video/Audio output     |   |   |  |
| HDMI / VGA output      | 1-ch, resolution: 1024×768 /60Hz, 1280×720 /60Hz, 1280×1024 /60Hz, 1600×1200 /60Hz, 1920×1080 /60Hz(1080P),   |   |  |
| CVBS output            | 1-ch, BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480   |   |  |
| Video spot output      | 1-ch, BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480   | 4-ch, BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480 | 4-ch, BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480  |
| Video loop out         | 4-ch  | 8-ch  | 16-ch  |
| Encoding resolution    | WD1 / 4CIF / 2CIF / CIF / QCIF  |   |  |
| Frame rate             | 25fps (P) / 30fps (N)   |   |  |
| Video bit rate         | 32 Kbps-2048 Kbps, or user defined (Max. 8192 Kbps)   |   |  |
| Audio output           | 2-ch, RCA (2.0 Vp-p, 1 kΩ)  |   |  |
| Audio bit rate         | 16kbps  |   |  |
| Dual-stream            | Support   |   |  |
| Stream type            | Video, Video & Audio  |   |  |
| Playback resolution    | WD1 / 4CIF / 2CIF / CIF / QCIF  |   |  |
| Synchronous playback   | 4-ch  | 8-ch  | 16-ch  |
| Hard disk              |   |   |  |
| SATA                   | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs;   |   |  |
| eSATA                  | 1 eSATA interface   |   |  |
| Capacity               | Up to 4TB capacity for each disk  |   |  |
| External interface     |   |   |  |
| Network interface      | 2, RJ45 10M / 100M / 1000M self-adaptive ethernet interface   |   |  |
| Serial interface       | 1 RS-232 interface (for parameters configuration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control) |   |  |
| USB interface          | 2 x USB2.0  |   |  |
| Alarm in/out           | 4/2   | 16/4  | 16/4   |
| General                |   |   |  |
| Power supply           | AC 220V, 47~63Hz  |   |  |
| Consumption            | Max. 35W  | Max. 40W  | Max. 45W   |
| Working temperature    | -10°C ~ +55°C (14°F ~ 131°F)  |   |  |
| Working humidity       | 10% ~ 90%   |   |  |
| Chassis                | 19-inch rack-mounted 2U chassis   |   |  |
| Dimensions (W x D x H) | 445 × 476 × 90 mm   |   |  |
| Weight                 | ≤ 8kg (without hard disk or DVD-R/W)  |   |  |

# DS-9104/08/16HFI-ST(-RT)

## Standalone DVR



### Key features

- H.264 video compression
- 4CIF resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- 4/8/16-ch synchronous playback
- HDD quota and group management
- Dual Gigabit network interfaces
- RAID 0,1,5,10 supported(DS-9104/08/16HFI-RT)

### Rear Panel of DS-9116HFI-ST(-RT)



1. Video in
2. Video loop out
3. Video spot out
4. Video out
5. CVBS audio out, VGA audio out
6. Line in
7. Audio in, RCA connector
8. Audio in, DB26 connector
9. RS-232 serial interface
10. VGA interface
11. HDMI interface
12. eSATA interface
13. LAN1, LAN2 network interface
14. Termination switch
15. RS-485 serial interface, keyboard Interface, alarm in, alarm out
16. GND
17. 100 ~ 240VAC power input
18. Power switch

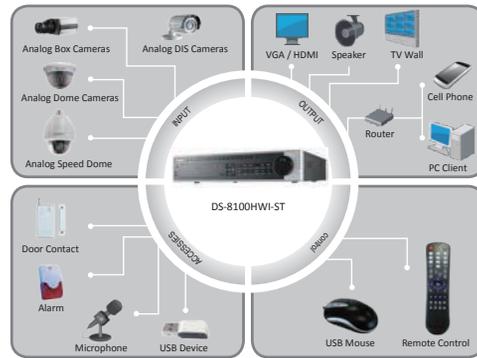
### Available models

DS-9104HFI-ST, DS-9104HFI-RT  
 DS-9108HFI-ST, DS-9108HFI-RT  
 DS-9116HFI-ST, DS-9116HFI-RT

|   | DS-9104HFI-ST(-RT)   | DS-9108HFI-ST(-RT)  | DS-9116HFI-ST(-RT)  |
|---|--|---|---|
| Video/Audio input                                     |  |   |   |
| Video compression                                     | H.264  |   |   |
| Video input   | 4-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  | 8-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSCself-adaptive                  | 16-ch, BNC(1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive                |
| Audio compression                                     | OggVorbis  |   |   |
| Audio input   | 4-ch, RCA (2.0 Vp-p, 1 kΩ)   | 8-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ)<br>Audio 5-8: DB26 connector   | 16-ch,Audio 1-4: RCA (2.0 Vp-p, 1 kΩ)<br>Audio 5-16: DB26 connector |
| Two-way audio input                                   | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |   |   |
| Video/Audio output                                    |  |   |   |
| HDMI output   | 1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz, 1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P / 50 Hz, 1920×1080P /60 Hz   |   |   |
| VGA output  | 1-ch, resolution:1024×768 /60 Hz, 1280×720 /60 Hz,1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /60 Hz  |   |   |
| CVBS output   | 1-ch, BNC (1.0 Vp-p, 75 Ω),resolution: PAL: 704×576, NTSC: 704×480   |   |   |
| Video spot output                                     | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480  | 4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480 | 4-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480 |
| Video loop out  | 4-ch   | 8-ch  | 16-ch   |
| Encoding resolution                                   | 4CIF / 2CIF / CIF / QCIF   |   |   |
| Frame rate  | 25fps(P) / 30fps/N   |   |   |
| Video bit rate  | 32Kbps - 8192Kbps, or user defined (Max. 8192 Kbps)  |   |   |
| Audio output  | 2-ch, RCA (2.0 Vp-p, 1 kΩ)   |   |   |
| Audio bit rate  | 16kbps   |   |   |
| Dual-stream   | Support  |   |   |
| Stream type   | Video, Video & Audio   |   |   |
| Playback resolution                                   | 4CIF / 2CIF / CIF / QCIF   |   |   |
| Synchronous playback                                  | 4-ch   | 8-ch  | 16-ch   |
| Hard disk   |  |   |   |
| SATA  | 8 SATA interfaces for 4 HDDs + 1 DVD-RW (default), or 8HDDs;   |   |   |
| eSATA   | 1 eSATA interface  |   |   |
| Capacity  | Up to 4TB capacity for each disk   |   |   |
| Disk array (DS-9104/9108/9116HFI-RT series supported) |  |   |   |
| Array type  | RAID0, RAID1, RAID5, RAID10  |   |   |
| Number of array                                       | 4  |   |   |
| Number of virtual disk                                | 8  |   |   |
| External interface                                    |  |   |   |
| Network interface                                     | 2, RJ45 10M / 100M / 1000M self-adaptive ethernet interface  |   |   |
| Serial interfaces                                     | 1 RS-232 interface (for parameters confi guration, maintenance, transparent channel); 1 RS-485 interface (for PTZ control); 1 RS-485 keyboard interface (for special keyboard control) |   |   |
| USB interface   | 3×USB2.0   |   |   |
| Alarm in/out  | 4/2  | 16/4  | 16/4  |
| General   |  |   |   |
| Power supply  | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz   |   |   |
| Consumption   | ≤ 35W  | ≤ 40W   | ≤ 45W   |
| Working temperature                                   | -10°C ~ +55°C  |   |   |
| Working humidity                                      | 10% ~ 90%  |   |   |
| Chassis   | 19-inch rack-mounted 2U chassis  |   |   |
| Dimensions (W x D x H)                                | 445 × 470 × 90 mm  |   |   |
| Weight  | ≤ 8kg (without hard disk or DVD-R/W)   |   |   |

# DS-8104/08/16HWI-ST

## 960H Standalone DVR



### Key features

- H.264 video compression
- WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- 4/8/16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-8116HWI-ST



1. Video in
2. Audio in
3. Video spot out
4. Video out
5. Audio out
6. Line in
7. RS-232 serial interface
8. VGA interface
9. HDMI interface
10. eSATA interface
11. LAN interface
12. Termination switch
13. RS-485 serial interface, keyboard interface, alarm in, alarm out
14. GND
15. 100 ~ 240 VAC power input
16. Power switch

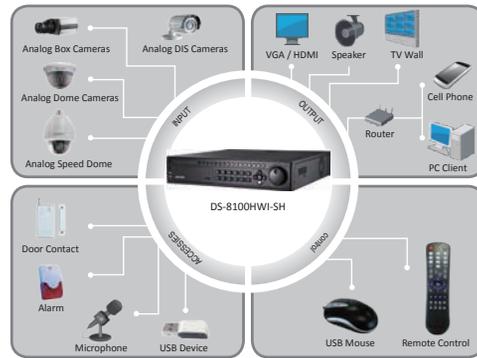
### Available models

- DS-8104HWI-ST
- DS-8108HWI-ST
- DS-8116HWI-ST

|                           | DS-8104HWI-ST   | DS-8108HWI-ST              | DS-8116HWI-ST               |
|---------------------------|---|----------------------------|-----------------------------|
| <b>Video/Audio input</b>  |   |                            |                             |
| Video compression         | H.264   |                            |                             |
| Analog video input        | 4-ch,<br>BNC(1.0Vp-p, 75 Ω), PAL / NTSC self-adaptive   | 8-ch                       | 16-ch                       |
| Audio compression         | OggVorbis   |                            |                             |
| Audio input               | 4-ch, BNC (2.0 Vp-p, 1 kΩ)  | 8-ch, BNC (2.0 Vp-p, 1 kΩ) | 16-ch, BNC (2.0 Vp-p, 1 kΩ) |
| Two-way audio input       | 1-ch, BNC (2.0 Vp-p, 1 kΩ)  |                            |                             |
| <b>Video/Audio output</b> |   |                            |                             |
| HDMI / VGA output         | 1024×768 /60 Hz, 1280×720 /60 Hz, 1280×1024 /60 Hz, 1600×1200 /60 Hz, 1920×1080P /60 Hz         |                            |                             |
| CVBS output               | 2-ch, (1 Main output+ Spot output), BNC (1.0Vp-p, 75Ω), resolution: PAL: 704×576, NTSC: 704×480 |                            |                             |
| Video loop out            | Reserved  |                            |                             |
| Audio output              | 2-ch, BNC   |                            |                             |
| Encoding resolution       | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF, Sub-stream: CIF / QCIF                             |                            |                             |
| Frame rate                | 25fps (P) / 30fps / N   |                            |                             |
| Video bit rate            | 32 Kbps-8 Mbps, or user defined   |                            |                             |
| Audio bit rate            | 16 Kbps   |                            |                             |
| Dual-stream               | Support   |                            |                             |
| Stream type               | Video, Video & Audio  |                            |                             |
| Playback resolution       | WD1 / 4CIF / 2CIF / CIF / QCIF  |                            |                             |
| Synchronous playback      | 4-ch  | 8-ch                       | 16-ch                       |
| <b>Hard disk</b>          |   |                            |                             |
| SATA                      | 8 SATA interfaces for 4 HDDs + 1 DVD-R/W (default), or 8HDDs;                                   |                            |                             |
| eSATA                     | 1 eSATA interface   |                            |                             |
| Capacity                  | Up to 4TB capacity for each disk  |                            |                             |
| <b>External interface</b> |   |                            |                             |
| Network interface         | 2, RJ45 10M / 100M / 1000M adaptive Ethernet  |                            |                             |
| Serial interface          | RS-232 interface; RS-485 interface; keyboard;   |                            |                             |
| USB interface             | 3 x USB2.0  |                            |                             |
| Alarm in/out              | 4/2   | 16/4                       | 16/4                        |
| <b>General</b>            |   |                            |                             |
| Power supply              | 100 ~ 240 VAC, 6.3 A, 50 ~ 60 Hz  |                            |                             |
| Consumption               | ≤ 35W   | ≤ 40W                      | ≤ 45W                       |
| Working temperature       | -10°C ~ +55°C (14°F ~ 131°F)  |                            |                             |
| Working humidity          | 10% ~ 90%   |                            |                             |
| Chassis                   | 19-inch rack-mounted 2U chassis   |                            |                             |
| Dimensions (W × D × H)    | 445 × 470 × 90 mm   |                            |                             |
| Weight                    | ≤ 8Kg (without hard disk or DVD-R/W)  |                            |                             |

# DS-8124/32HWI-SH

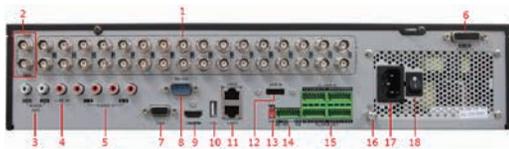
## DVR



### Key features

- H.264 video compression
- Up to 24/32-ch video input
- WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- 16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-8132HWI-SH

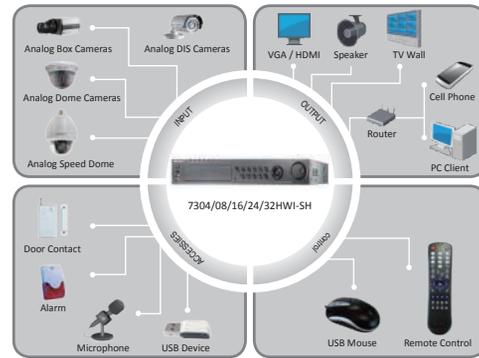


1. VIDEO IN
2. MAIN VIDEO OUT, SPOT VIDEO OUT
3. AUDIO OUT(CVBS/VGA), RCA Connector
4. LINE IN, RCA Connector
5. AUDIO IN(1-4), RCA Connector
6. AUDIO IN (5-16), DB26 Connector
7. VGA Interface
8. RS-232 Interface
9. HDMI Interface
10. USB Interface
11. LAN1/LAN2 Network Interface
12. eSATA Interface
13. Termination Switch
14. RS-485, Keyboard Serial Interface
15. ALARM IN, ALARM OUT
16. GND
17. 110~240VAC Power Input
18. Power Switch

|                           | DS-8124HWSI-SH   | DS-8132HWSI-SH |
|---------------------------|--|----------------|
| <b>Video/Audio input</b>  |  |                |
| Video compression         | H.264  |                |
| Analog video input        | 24-ch  | 32-ch          |
| Video input interface     | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive   |                |
| Audio compression         | G.711u   |                |
| Audio input               | 16-ch, RCA (2.0 Vp-p, 1 kΩ) / DB26 connector   |                |
| Two-way audio input       | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |                |
| <b>Video/Audio output</b> |  |                |
| HDMI/VGA output           | 1-ch, resolution:<br>1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz,<br>720P: 1280×720/60Hz, XGA: 1024×768/60Hz |                |
| CVBS output               | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                   |                |
| Video spot out            | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                   |                |
| Encoding resolution       | WD1 / 4CIF / 2CIF / CIF / QCIF   |                |
| Frame rate                | 25 fps (P) / 30 fps (N)  |                |
| Video bitrate             | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |                |
| Audio output              | 2-ch, RCA (Linear, 1 kΩ)   |                |
| Audio bitrate             | 64 Kbps  |                |
| Dual-stream               | Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)  |                |
| Stream type               | Channel 1-16: Video, Video & Audio;<br>Other channels: Video   |                |
| Synchronous playback      | 16-ch  |                |
| <b>External interface</b> |  |                |
| Network interface         | 2, RJ45 10M / 100M / 1000M Ethernet interface  |                |
| Serial interface          | 1 RS-232, RS-485(full-duplex), Keyboard  |                |
| USB interface             | 3 × USB 2.0  |                |
| Alarm in                  | 16   |                |
| Alarm out                 | 8  |                |
| <b>General</b>            |  |                |
| Power supply              | 100 ~ 240 VAC, 6.3A, 50 ~ 60Hz   |                |
| Consumption               | ≤ 40W  |                |
| Working temperature       | -10°C ~ +55°C  |                |
| Working humidity          | 10% ~ 90%  |                |
| Chassis                   | 19-inch rack-mounted 2U chassis  |                |
| Dimensions (W x D x H)    | 445 × 470 × 95 mm  |                |
| Weight                    | ≤ 8 kg   |                |

# DS-7304/08/16/24/32HWI-SH

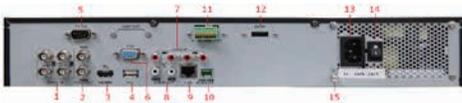
## 960H Standalone DVR



### Key features

- H.264 video compression
- Up to 32-ch video input
- WD1 (PAL:960×576,NTSC:960×480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- Gigabit network interfaces
- 4/8/16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7304HWI-SH



1. Video in
2. Main video out, spot video out
3. HDMI interface
4. USB interface
5. RS-232 serial interface
6. VGA interface
7. Audio in, RCA connector
8. Audio out, RCA connector
9. LAN network interface
10. RS-485 serial interface
11. Alarm in/out
12. eSATA interface
13. 110~240VAC power input
14. Power switch
15. GND

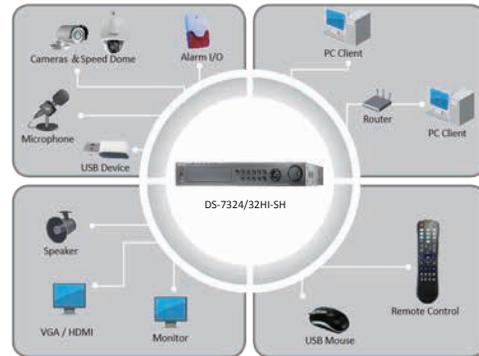
### Available models

- DS-7304HWI-SH
- DS-7308HWI-SH
- DS-7316HWI-SH
- DS-7324HWI-SH
- DS-7332HWI-SH

|                             | DS-7304HWI-SH   | DS-7308HWI-SH   | DS-7316HWI-SH | DS-7324HWI-SH                           | DS-7332HWI-SH |
|-----------------------------|---|---|---------------|---|---------------|
| <b>Video / Audio input</b>  |   |   |               |   |               |
| Video compression           | H.264   |   |               |   |               |
| Analog video input          | 4-ch  | 8-ch  | 16-ch         | 24-ch                                   | 32-ch         |
| Video input interface       | BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive   |   |               |   |               |
| Audio compression           | G.711u  |   |               |   |               |
| Audio input                 | 4-ch, RCA (2.0 Vp-p, 1 kΩ)  |   |               |   |               |
| Two-way audio input         | 1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)  |   |               |   |               |
| <b>Video / Audio output</b> |   |   |               |   |               |
| HDMI/VGA output             | 1-ch, resolution: 1080P:1920×1080 /60 Hz; SXGA: 1280×1024 /60 Hz; 720P:1280×720 /60 Hz; XGA: 1024×768 /60 Hz. |   |               |   |               |
| CVBS output                 | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                       |   |               |   |               |
| Video spot out              | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                       |   |               |   |               |
| Encoding resolution         | WD1 / 4CIF / 2CIF / CIF / QCIF  |   |               |   |               |
| Frame rate                  | 25 fps (P) / 30 fps /N  |   |               |   |               |
| Video bit rate              | 32 Kbps ~ 3072 Kbps, or user defined (max. 3072 Kbps)   |   |               |   |               |
| Audio output                | 2-ch, RCA (linear, 600Ω)  |   |               |   |               |
| Audio bit rate              | 64 Kbps   |   |               |   |               |
| Dual-stream                 | Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)   |   |               |   |               |
| Stream type                 | Video, Video & Audio  | Channel1-4: Video, Video & Audio; Other channels: Video |               |   |               |
| Synchronous playback        | 4-ch  | 8-ch  | 16-ch         |   |               |
| <b>Hard disk</b>            |   |   |               |   |               |
| SATA                        | 4 SATA interfaces for 2 HDDs + 1 DVD-RW (default), or 4HDDs   |   |               |   |               |
| eSATA                       | 1 eSATA interface   |   |               |   |               |
| Capacity                    | Up to 4TB capacity for each disk  |   |               |   |               |
| <b>External interface</b>   |   |   |               |   |               |
| Network interface           | 1, RJ45 10M / 100M / 1000M Ethernet interface   |   |               |   |               |
| Serial interface            | 1 RS-232, RS-485(half-duplex), Keyboard   |   |               | 1 RS-232, RS-485(full-duplex), Keyboard |               |
| USB interface               | 3 × USB 2.0   |   |               |   |               |
| Alarm in/out                | 4/1   | 8/4   | 16/4          | 16/8                                    |               |
| <b>General</b>              |   |   |               |   |               |
| Power supply                | 100 ~ 240 VAC, 5A, 50~60Hz  |   |               |   |               |
| Consumption                 | ≤ 25W   | ≤ 30W   | ≤ 35W         | ≤ 40 W                                  |               |
| Working temperature         | -10 °C ~ + 55 °C  |   |               |   |               |
| Working humidity            | 10% ~ 90%   |   |               |   |               |
| Chassis                     | 19-inch rack-mounted 1.5 U chassis  |   |               |   |               |
| Dimensions(W x D x H)       | 445 × 390 × 70 mm   |   |               |   |               |
| Weight                      | ≤ 5kg (without hard disk or DVD-R/W)  |   |               |   |               |

# DS-7324/32HI-SH

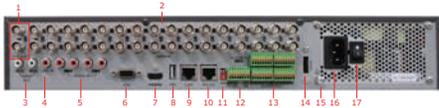
## Standalone DVR



### Key features

- H.264 video compression
- Up to 32-ch video input
- 2CIF resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- Gigabit network interfaces
- 16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7332HI-SH



1. MAIN VIDEO OUT, SPOT VIDEO OUT
2. VIDEO IN
3. AUDIO OUT(CVBS/VGA), RCA Connector
4. LINE IN
5. AUDIO IN, RCA Connector
6. VGA Interface
7. HDMI Interface
8. USB Interface
9. LAN Network Interface
10. RS-232 Interface
11. Termination Switch
12. RS-485, Keyboard Serial Interface
13. ALARM IN, ALARM OUT
14. eSATA Interface
15. GND
16. 110~240VAC Power Input
17. Power Switch

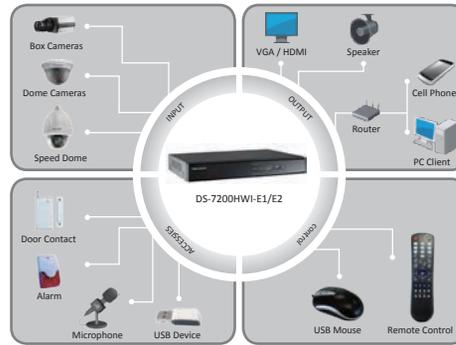
### Available models

- DS-7324HI-SH
- DS-7332HI-SH

|                                      | DS-7324HI-SH   | DS-7332HI-SH |
|--------------------------------------|--|--------------|
| <b>Video/Audio input</b>             |  |              |
| Video compression                    | H.264  |              |
| Video input                          | 24-ch  | 32-ch        |
| Video input interface                | BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive  |              |
| Audio compression                    | G.711u   |              |
| Audio input                          | 4-ch, RCA (2.0 Vp-p, 1 kΩ)   |              |
| Two-way audio input                  | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |              |
| <b>Video/Audio output</b>            |  |              |
| HDMI/VGA output                      | 1-ch, resolution: 1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz, 720P: 1280×720/60Hz, XGA: 1024×768/60Hz |              |
| CVBS output                          | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                |              |
| Video spot out                       | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                |              |
| Encoding resolution                  | WD1 / 4CIF / 2CIF / CIF / QCIF   |              |
| Frame rate                           | WD1 / 4CIF: 15 fps 2CIF / CIF / QCIF: 25 fps (P) / 30 fps (N)  |              |
| Video bit rate                       | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |              |
| Audio output                         | 2-ch, RCA (Linear, 600 Ω)  |              |
| Audio bit rate                       | 64 Kbps  |              |
| Dual-stream                          | Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)  |              |
| Stream type                          | Channel 1-4: Video, Video & Audio; Other channels: Video   |              |
| Synchronous playback                 | 16-ch  |              |
| <b>Hard disk</b>                     |  |              |
| SATA                                 | 4 SATA interfaces for 2 HDDs + 1 DVD-R/W (default), or 4HDDs   |              |
| eSATA                                | 1 eSATA interface  |              |
| Capacity                             | Up to 4TB capacity   |              |
| <b>External interface</b>            |  |              |
| Network interface                    | 1, RJ45 10M / 100M / 1000M Ethernet interface  |              |
| Serial interface                     | RS-232, RS-485 (full-duplex), Keyboard   |              |
| USB interface                        | 3 × USB 2.0  |              |
| Alarm in/out                         | 16/8   |              |
| <b>General</b>                       |  |              |
| Power supply                         | 100~240VAC, 5A, 50~60Hz  |              |
| Consumption (without HDD or DVD-R/W) | ≤ 40 W   |              |
| Working temperature                  | -10°C ~+55°C   |              |
| Working humidity                     | 10% ~ 90%  |              |
| Chassis                              | 19-inch rack-mounted 1.5U chassis  |              |
| Dimensions(W × D × H)                | 445 × 390 × 70 mm  |              |
| Weight                               | ≤ 5 kg(without HDD or DVD-R/W)   |              |

# DS-7204/08/16/HWI-E1(-E2)

## 960H Standalone VCA supported DVR



### Key features

- H.264 & Dual-stream video compression
- Full channel@WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- Support VCA detection alarm (line crossing detection and intrusion detection)
- HDMI and VGA output at up to 1920×1080P resolution
- Support alarm push notification on mobile devices when alarm event occurs.
- Up to 16-ch synchronous playback

### Rear Panel of DS-7216HWI-E2



1. VIDEO IN
2. VIDEO OUT
3. USB Interface
4. HDMI Interface
5. VGA Interface
6. AUDIO IN, RCA Connector
7. AUDIO OUT, RCA Connector
8. LAN Network Interface
9. RS-485 Serial Interface
10. 12VDC Power Input
11. Power Switch
12. GND

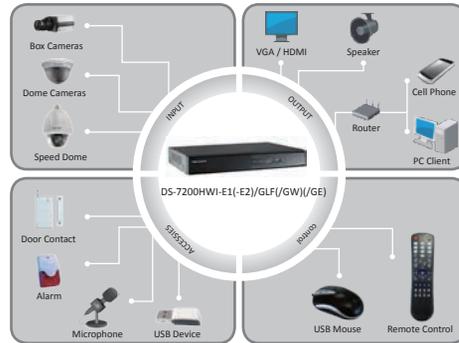
### Available models

- DS-7204HWI-E1
- DS-7208HWI-E1
- DS-7216HWI-E1
- DS-7208HWI-E2
- DS-7216HWI-E2

|  | DS-7204HWI-E1  | DS-7208HWI-E1          | DS-7208HWI-E2     | DS-7216HWI-E1     | DS-7216HWI-E2     |
|--|--|------------------------|-------------------|-------------------|-------------------|
| <b>Video/Audio input</b>                   |  |                        |                   |                   |                   |
| Video compression                          | H.264  |                        |                   |                   |                   |
| Analog video input                         | 4-ch   | 8-ch                   |                   | 16-ch             |                   |
| IP video input                             | 1-ch   | 2-ch                   |                   |                   |                   |
|  | Up to 720P resolution  | Up to 1080P resolution |                   |                   |                   |
| Video input interface                      | BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive  |                        |                   |                   |                   |
| Audio compression                          | G.711u   |                        |                   |                   |                   |
| Audio input                                | 1-ch, RCA (2.0 Vp-p, 1 KΩ)   |                        |                   |                   |                   |
| Two-way audio input                        | 1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)   |                        |                   |                   |                   |
| <b>Video/Audio output</b>                  |  |                        |                   |                   |                   |
| HDMI / VGA output                          | 1-ch, resolution:<br>1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz,<br>720P: 1280×720/60Hz, XGA: 1024×768/60Hz |                        |                   |                   |                   |
| CVBS output                                | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                                   |                        |                   |                   |                   |
| Encoding resolution                        | WD1 / 4CIF / 2CIF / CIF / QCIF   |                        |                   |                   |                   |
| Frame rate                                 | 25 fps (P) / 30 fps (N)  |                        |                   |                   |                   |
| Video bit rate                             | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |                        |                   |                   |                   |
| Audio output                               | 1-ch, RCA (Linear, 1 kΩ)   |                        |                   |                   |                   |
| Audio bit rate                             | 64 Kbps  |                        |                   |                   |                   |
| Dual-stream                                | Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)  |                        |                   |                   |                   |
| Stream type                                | Video, Video & Audio   |                        |                   |                   |                   |
| Synchronous playback                       | 4-ch   | 8-ch                   |                   | 16-ch             |                   |
| <b>Hard disk</b>                           |  |                        |                   |                   |                   |
| SATA                                       | 1 SATA interface   | 1 SATA interfaces      | 2 SATA interfaces | 1 SATA interfaces | 2 SATA interfaces |
| Capacity                                   | Up to 4TB capacity for each disk   |                        |                   |                   |                   |
| <b>External interface</b>                  |  |                        |                   |                   |                   |
| Network interface                          | 1, RJ45 10M / 100M Ethernet interface  |                        |                   |                   |                   |
| Serial interface                           | 1 RS-485 interface, half-duplex  |                        |                   |                   |                   |
| USB interface                              | 2, USB 2.0   |                        |                   |                   |                   |
| <b>General</b>                             |  |                        |                   |                   |                   |
| Power supply                               | 12V DC   |                        |                   |                   |                   |
| Consumption (without hard disk or DVD-R/W) | ≤ 10 W   | ≤ 10 W                 | ≤ 15W             | ≤ 20W             |                   |
| Working temperature                        | -10 °C ~+55 °C   |                        |                   |                   |                   |
| Working humidity                           | 10% ~ 90%  |                        |                   |                   |                   |
| Dimensions (W × D × H)                     | 315 × 242 × 45 mm  |                        | 380 × 290 × 48 mm | 315 × 242 × 45 mm | 380 × 290 × 48 mm |
| Weight (without hard disk or DVD-R/W)      | ≤ 2 kg   |                        | ≤ 4 kg            | ≤ 2 kg            | ≤ 4 kg            |

# DS-7204/08/16/HWI-E1(-E2)/GLF(/GW)

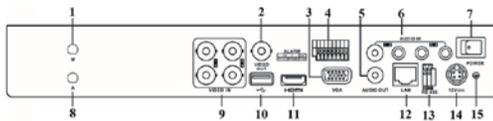
## 960H Standalone 4G/3G DVR



### Key features

- H.264 & Dual-stream video compression
- Full channel@WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Support alarm push notification on mobile devices when alarm event occurs.
- Up to 16-ch synchronous playback
- Built-in 4G/3G modular to support wireless function
- \*GLF series support FDD-LTE 4G network
- \*GW series support WCDMA UMTS/HSDPA/HSUPA 3G network
- \*GE series support CDMA EV-DO 3G network

### Rear Panel of DS-7200HWI-E1(-E2)/GLF(/GW)/(GE)



1. Main Antenna Interface
2. Video Out
3. VGA Interface
4. Alarm I/O Interface
5. Audio Out
6. Audio In
7. Power Switch
8. AUX Antenna Interface
9. Video In
10. USB Interface
11. HDMI Interface
12. LAN Network Interface
13. RS-485 Interface
14. Power Supply
15. Ground

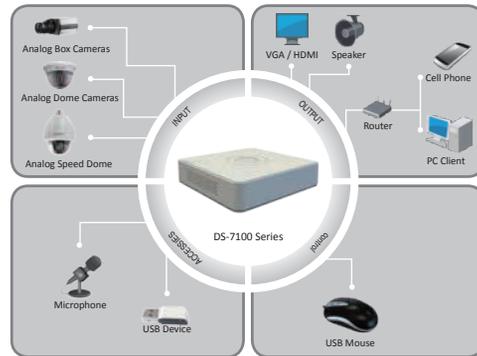
### Available models

DS-7204HWI-E1

|  | DS-7204HWI-E1/GLF<br>DS-7204HWI-E1/GW   | DS-7208HWI-E2/GLF<br>DS-7208HWI-E2/GW | DS-7216HWI-E2/GLF<br>DS-7208HWI-E2/GW |
|--|---|---------------------------------------|---------------------------------------|
| <b>Video/Audio input</b>                   |   |                                       |                                       |
| Video compression                          | H.264   |                                       |                                       |
| Analog video input                         | 4-ch  | 8-ch                                  | 16-ch                                 |
| Video input interface                      | BNC (1.0 Vp-p, 75 Ω), PAL /NTSC self-adaptive   |                                       |                                       |
| Audio compression                          | G.711u  |                                       |                                       |
| Audio input                                | 4-ch, RCA (2.0 Vp-p, 1 kΩ)  |                                       |                                       |
| Two-way audio input                        | 1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)  |                                       |                                       |
| <b>Video/Audio output</b>                  |   |                                       |                                       |
| HDMI / VGA output                          | 1-ch, resolution: 1920×1080×60HZ, 1280×1024×60HZ, 720P:1280×720×60HZ;1024×768×60HZ  |                                       |                                       |
| CVBS output                                | 1-ch, BNC (1.0 Vp-p, 75 Ω)  |                                       |                                       |
| Encoding resolution                        | WD1 / 4CIF / 2CIF / CIF / QCIF  |                                       |                                       |
| Frame rate                                 | 25 fps (P) / 30 fps (N)   |                                       |                                       |
| Video bit rate                             | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)   |                                       |                                       |
| Audio output                               | 1-ch, RCA (Linear, 1 kΩ)  |                                       |                                       |
| Audio bit rate                             | 64 Kbps   |                                       |                                       |
| Dual-stream                                | Support; Sub-stream: CIF / QCIF @ 25 fps (P) / 30 fps (N)   |                                       |                                       |
| Stream type                                | Video, Video & Audio  |                                       |                                       |
| Synchronous playback                       | 4-ch  | 8-ch                                  | 16-ch                                 |
| <b>Hard disk</b>                           |   |                                       |                                       |
| SATA                                       | 1 SATA interface for 1 HDD  | 2 SATA interfaces for 2 HDDs          |                                       |
| Capacity                                   | Up to 4TB capacity for each disk  |                                       |                                       |
| <b>External interface</b>                  |   |                                       |                                       |
| Network interface                          | 1, RJ45 10M / 100M Ethernet interface   |                                       |                                       |
| Serial interface                           | 1 RS-485 interface, half-duplex   |                                       |                                       |
| USB interface                              | 1, USB 2.0  |                                       |                                       |
| Alarm I/O                                  | 4/1   | 8/4                                   | 16/4                                  |
| <b>Wireless</b>                            |   |                                       |                                       |
| Antenna interface                          | 1 main antenna interface; 1 AUX antenna interface   |                                       |                                       |
| Frequency band                             | GLF: FDD-LTE: Band 1/3/7/8;<br>Tri-Band WCDMA: Band 1/5/8;<br>GW: Tri-Band UMTS/HSDPA/HSUPA(WCDMA/FDD): 850/1900/2100 MHz |                                       |                                       |
| <b>General</b>                             |   |                                       |                                       |
| Power supply                               | 12V DC  |                                       |                                       |
| Consumption (without hard disk or DVD-R/W) | ≤ 10 W  | ≤ 15 W                                | ≤ 20 W                                |
| Working temperature                        | -10 °C ~+55 °C  |                                       |                                       |
| Working humidity                           | 10% ~ 90%   |                                       |                                       |
| Chassis                                    | 1U chassis  | 380 Chassis                           |                                       |
| Dimensions (W × D × H)                     | 315 × 242 × 45 mm   | 380 × 290 × 48 mm                     |                                       |
| Weight (without hard disk or DVD-R/W)      | ≤ 2 kg  | ≤ 4 kg                                |                                       |

# DS-7104/08/16HWI-SH

## 960H Mini DVR



### Key features

- H.264 & dual-stream video compression
- Up to WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- Simultaneous VGA and CVBS outputs
- Alarm for video loss, motion detection, tampering and abnormal signal
- Embedded WEB server for remote access
- Mobile view on 3G/Wifi enabled device (iPhone, Android)

### Rear Panel of DS-7108HWI-SL



1. VIDEO IN
2. VIDEO OUT
3. VGA Interface
4. AUDIO IN, RCA Connector
5. AUDIO OUT, RCA Connector
6. LAN Network Interface
7. USB Interface
8. GND
9. 12 VDC

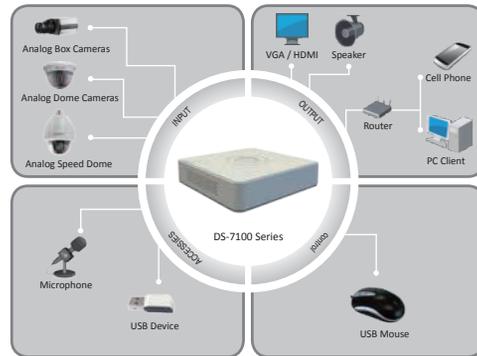
### Available models

- DS-7104HWI-SH
- DS-7108HWI-SH
- DS-7116HWI-SH

|                                      | DS-7104HWI-SH   | DS-7108HWI-SH | DS-7116HWI-SH     |
|--------------------------------------|---|---------------|-------------------|
| <b>Video/Audio input</b>             |   |               |                   |
| Video compression                    | H.264   |               |                   |
| Video input                          | 4-ch  | 8-ch          | 16-ch             |
| Video input interface                | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive  |               |                   |
| Audio compression                    | G.711u  |               |                   |
| Audio input                          | 1-ch, RCA (2.0 Vp-p, 1 kΩ)  |               |                   |
| Two-way audio input                  | 1-ch, RCA (2.0 Vp-p, 1 kΩ)(using Audio In)  |               |                   |
| <b>Video/Audio output</b>            |   |               |                   |
| HDMI output (only for "SH" Series)   | 1-ch, resolution: 1080P: 1920×1080/60Hz,SXGA: 1280×1024/60Hz,720P: 1280×720/60Hz,XGA: 1024×768/60Hz |               |                   |
| VGA output                           | 1-ch, resolution: 1080P: 1920×1080/60Hz,SXGA: 1280×1024/60Hz,720P: 1280×720/60Hz,XGA: 1024×768/60Hz |               |                   |
| CVBS output                          | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                             |               |                   |
| Encoding resolution                  | WD1/4CIF/2CIF/CIF/QCIF: 25/30fps  |               |                   |
| Frame rate                           | 25 fps (P) / 30 fps (N)   |               |                   |
| Video bit rate                       | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)   |               |                   |
| Audio output                         | 1-ch, RCA (Linear, 600 Ω)   |               |                   |
| Audio bit rate                       | 64 Kbps   |               |                   |
| Dual-stream                          | Support; Sub-stream @ CIF / QCIF  |               |                   |
| Stream type                          | Video, Video & Audio  |               |                   |
| Synchronous playback                 | 4-ch  | 8-ch          | 16-ch             |
| <b>Hard disk</b>                     |   |               |                   |
| SATA                                 | 1 SATA interface  |               |                   |
| Capacity                             | Up to 4TB capacity  |               |                   |
| <b>External interface</b>            |   |               |                   |
| Network interface                    | 1, RJ45 10M / 100M Ethernet interface   |               |                   |
| USB interface                        | 2 × USB 2.0   |               |                   |
| <b>General</b>                       |   |               |                   |
| Power supply                         | 12 VDC  |               |                   |
| Consumption                          | ≤ 5 W   | ≤ 7 W         | ≤ 9 W             |
| Working temperature                  | -10 °C ~ +55 °C   |               |                   |
| Working humidity                     | 10% ~ 90%   |               |                   |
| Chassis                              | 1U chassis  |               |                   |
| Dimensions (W × D × H)               | 200 × 200 × 45 mm   |               | 285 × 210 × 45 mm |
| Weight(without hard disk or DVD-R/W) | ≤ 0.8 kg  | ≤ 1 kg        | ≤ 1.5 kg          |

# DS-7104/08/16HVI-SH

## Standalone Mini DVR



### Key features

- H.264 & dual-stream video compression
- Up to WD1(PAL:960×576,NTSC:960×480) resolution real-time recording
- Simultaneous VGA and CVBS outputs
- Alarm for video loss, motion detection, tampering and abnormal signal
- Embedded WEB server for remote access
- Mobile view on 3G/Wifi enabled device (iPhone, Android)
- Support 1 SATA HDD and 2 UBS2.0 ports for easy backup

### Rear Panel of DS-7108HVI-SL



1. VIDEO IN
2. VIDEO OUT
3. VGA Interface
4. AUDIO IN, RCA Connector
5. AUDIO OUT, RCA Connector
6. LAN Network Interface
7. USB Interface
8. GND
9. 12 VDC

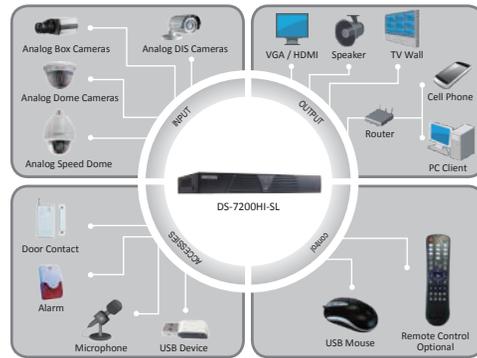
### Available models

- DS-7104HVI-SH
- DS-7108HVI-SH
- DS-7116HVI-SH

|                                       | DS-7104HVI-SH  | DS-7108HVI-SH                                      | DS-7116HVI-SH                                       |
|---------------------------------------|--|--|---|
| <b>Video/Audio input</b>              |  |  |   |
| Video compression                     | H.264  |  |   |
| Video input                           | 4-ch   | 8-ch   | 16-ch   |
| Video input interface                 | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive   |  |   |
| Audio compression                     | G.711u   |  |   |
| Audio input                           | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |  |   |
| Two-way audio input                   | 1-ch, RCA (2.0 Vp-p, 1 kΩ)(using Audio In)   |  |   |
| <b>Video/Audio output</b>             |  |  |   |
| HDMI output (only for "SH" Series)    | 1-ch, resolution: 1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz, 720P: 1280×720/60Hz, XGA: 1024×768/60Hz |  |   |
| VGA output                            | 1-ch, resolution: 1080P: 1920×1080/60Hz, SXGA: 1280×1024/60Hz, 720P: 1280×720/60Hz, XGA: 1024×768/60Hz |  |   |
| CVBS output                           | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                |  |   |
| Encoding resolution                   | WD1: 10fps<br>4CIF/2CIF: 12fps<br>CIF/QCIF: 25/30fps   | WD1: 6fps<br>4CIF/2CIF: 8fps<br>CIF/QCIF: 25/30fps | WD1: 8fps<br>4CIF/2CIF: 10fps<br>CIF/QCIF: 25/30fps |
| Frame rate                            | 25 fps (P) / 30 fps (N)  |  |   |
| Video bit rate                        | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |  |   |
| Audio output                          | 1-ch, RCA (Linear, 600 Ω)  |  |   |
| Audio bit rate                        | 64 Kbps  |  |   |
| Dual-stream                           | Support;<br>Sub-stream @ CIF / QCIF  |  |   |
| Stream type                           | Video, Video & Audio   |  |   |
| Synchronous playback                  | 4-ch   | 8-ch   | 16-ch   |
| <b>Hard disk</b>                      |  |  |   |
| SATA                                  | 1 SATA interface   |  |   |
| Capacity                              | Up to 4TB capacity   |  |   |
| <b>External interface</b>             |  |  |   |
| Network interface                     | 1, RJ45 10M / 100M Ethernet interface  |  |   |
| USB interface                         | 2 × USB 2.0  |  |   |
| <b>General</b>                        |  |  |   |
| Power supply                          | 12 VDC   |  |   |
| Consumption                           | ≤ 5 W  | ≤ 7 W  | ≤ 9 W   |
| Working temperature                   | -10 °C ~ +55 °C  |  |   |
| Working humidity                      | 10% ~ 90%  |  |   |
| Chassis                               | 1U chassis   |  |   |
| Dimensions (W × D × H)                | 200 × 200 × 45 mm  |  | 285 × 210 × 45 mm                                   |
| Weight (without hard disk or DVD-R/W) | ≤ 0.8 kg   | ≤ 1 kg   | ≤ 1.5 kg  |

# DS-7204/08/16HI-SL

## Standalone DVR



### Key features

- H.264 video compression
- CIF resolution real-time recording
- VGA output at up to 1920×1080P resolution
- Dual-stream
- Up to 4/8/16-ch synchronous playback
- NTP, SMTP, NFS, UPnP and iSCSI protocols

### Rear Panel of DS-7200HI-SL



1. Video in
2. Video out
3. USB interface
4. HDMI interface (Optional)
5. VGA interface
6. Audio in, RCA connector
7. Audio out, RCA connector
8. LAN network interface
9. RS-485 serial interface
10. 12VDC power input
11. Power switch
12. GND

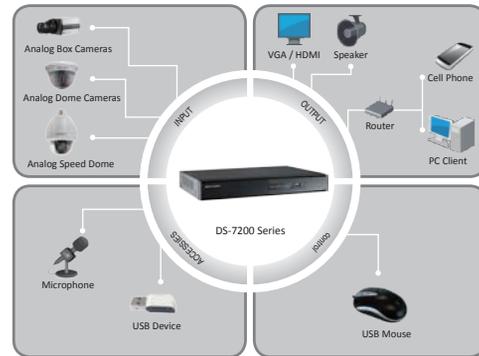
### Available models

- DS-7204HI-SL
- DS-7208HI-SL
- DS-7216HI-SL

|                                   | DS-7204HI-SL   | DS-7208HI-SL   | DS-7216HI-SL   |
|-----------------------------------|--|--|--|
| <b>Video/Audio input</b>          |  |  |  |
| Video compression                 | H.264  |  |  |
| Video input                       | 4-ch   | 8-ch   | 16-ch  |
| Video input interface             | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive   |  |  |
| Audio compression                 | G.711u   |  |  |
| Audio input                       | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |  |  |
| Two-way audio input               | 1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)   |  |  |
| <b>Video/Audio output</b>         |  |  |  |
| VGA output (HDMI output optional) | 1-ch, resolution: 1080P: 1920×1080/60Hz; SXGA: 1280×1024/60Hz; 720P: 1280×720/60Hz; XGA: 1024×768/60Hz |  |  |
| CVBS output                       | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704 × 576, NTSC: 704 × 480                                |  |  |
| Encoding resolution               | 4CIF / 2CIF / CIF / QCIF   |  |  |
| Frame rate                        | 4CIF/2CIF @ 12fps; CIF/QCIF @ 25 fps (P) / 30 fps (N)  | 4CIF/2CIF @ 8fps; CIF/QCIF @ 25 fps (P) / 30 fps (N) | 4CIF/2CIF @ 4fps; CIF/QCIF @ 25 fps (P) / 30 fps (N) |
| Video bit rate                    | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |  |  |
| Audio output                      | 1-ch, RCA (Linear, 1 kΩ)   |  |  |
| Audio bit rate                    | 64 Kbps  |  |  |
| Dual-stream                       | Support; Sub-stream @ CIF / QCIF   |  |  |
| Stream type                       | Video, Video & Audio   |  |  |
| Synchronous playback              | 4-ch   | 8-ch   | 16-ch  |
| <b>Hard disk</b>                  |  |  |  |
| SATA                              | 1 SATA interface   |  |  |
| Capacity                          | Up to 4TB capacity   |  |  |
| <b>External interface</b>         |  |  |  |
| Network interface                 | 1, RJ45 10M / 100M Ethernet interface  |  |  |
| Serial interface                  | 1 RS-485 interface, half-duplex  |  |  |
| USB interface                     | 2 × USB2.0   |  |  |
| Alarm in/out                      | 4/1 optional   |  |  |
| <b>General</b>                    |  |  |  |
| Power supply                      | 12 VDC   |  |  |
| Consumption                       | ≤ 10 W   | ≤ 10 W   | ≤ 15 W   |
| Working temperature               | -10 °C ~ +55 °C  |  |  |
| Working humidity                  | 10% ~ 90%  |  |  |
| Chassis                           | Standalone 1U chassis  |  |  |
| Dimensions (W × D × H)            | 315 × 242 × 45 mm  |  |  |
| Weight                            | ≤ 2 kg (without hard disk or DVD-RW)   |  |  |

# DS-7224/32HVI-SH

## Standalone Mini DVR



### Key features

- H.264 video compression
- Up to 32-ch video input
- 2CIF resolution real-time recording
- HDMI and VGA output at up to 1920×1080P resolution
- Dual-stream
- Gigabit network interfaces
- 16-ch synchronous playback
- HDD quota and group management

### Rear Panel of DS-7224HVI-SH



1. VIDEO IN
2. VIDEO OUT
3. USB Interface
4. HDMI Interface
5. VGA Interface
6. ALARM IN/OUT
7. AUDIO IN, RCA Connector
8. AUDIO OUT, RCA Connector
9. LAN Network Interface
10. RS-485 Serial Interface
11. 12VDC Power Input
12. Power Switch
13. GND

### Available models

- DS-7224HVI-SH,
- DS-7232HVI-SH

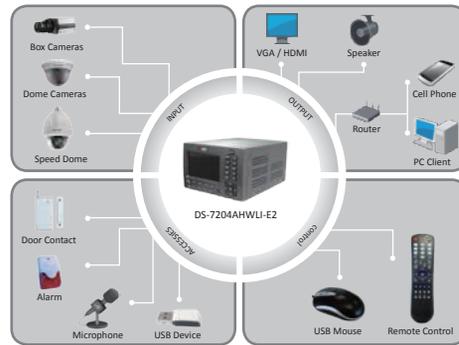
|                                      | DS-7224HVI-SH  | DS-7232HVI-SH |
|--------------------------------------|--|---------------|
| <b>Video/Audio input</b>             |  |               |
| Video compression                    | H.264  |               |
| Video input                          | 24-ch  | 32-ch         |
| Video input interface                | BNC (1.0 Vp-p, 75 Ω), PAL / NTSC self-adaptive   |               |
| Audio compression                    | G.711u   |               |
| Audio input                          | 4-ch, RCA (2.0 Vp-p, 1 kΩ)   |               |
| Two-way audio input                  | 1-ch, RCA (2.0 Vp-p, 1 kΩ) (using the audio input)   |               |
| <b>Video/Audio output</b>            |  |               |
| HDMI/VGA output                      | 1-ch, resolution:<br>1920 × 1080P / 60 Hz, 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |               |
| CVBS output                          | 1-ch, BNC (1.0 Vp-p, 75 Ω),<br>resolution: PAL: 704 × 576, NTSC: 704 × 480                             |               |
| Encoding resolution                  | WD1 / 4CIF / 2CIF / CIF / QCIF   |               |
| Frame rate                           | WD1 / 4CIF @ 15 fps or<br>2CIF / CIF / QCIF @ 25 fps (P) / 30 fps (N)                                  |               |
| Video bit rate                       | 32 Kbps ~ 3072 Kbps, or user defined (Max. 3072 Kbps)  |               |
| Audio output                         | 1-ch, RCA (Linear, 600 Ω)  |               |
| Audio bit rate                       | 64 Kbps  |               |
| Dual-stream                          | Support;<br>Sub-stream @ CIF / QCIF  |               |
| Stream type                          | Video, Video & Audio   |               |
| Synchronous playback                 | 16-ch  |               |
| <b>Hard disk</b>                     |  |               |
| SATA                                 | 2 SATA interface   |               |
| Capacity                             | Up to 4TB capacity   |               |
| <b>External interface</b>            |  |               |
| Network interface                    | 1, RJ45 10M /100M /1000M Ethernet interface  |               |
| Serial interface                     | 1 RS-485 interface, half-duplex  |               |
| USB interface                        | 2, USB 2.0   |               |
| Alarm in                             | 4  |               |
| Alarm out                            | 1  |               |
| <b>General</b>                       |  |               |
| Power supply                         | 12 VDC   |               |
| Consumption                          | ≤ 25 W   |               |
| Working temperature                  | -10 °C ~ +55 °C  |               |
| Working humidity                     | 10% ~ 90%  |               |
| Chassis                              | 19-inch rack-mounted 1U chassis  |               |
| Dimensions (W × D × H)               | 445 × 290 × 45 mm  |               |
| Weight(without hard disk or DVD-R/W) | ≤ 4 kg   |               |



ATM DVR

# DS-7204AHWLI-E2

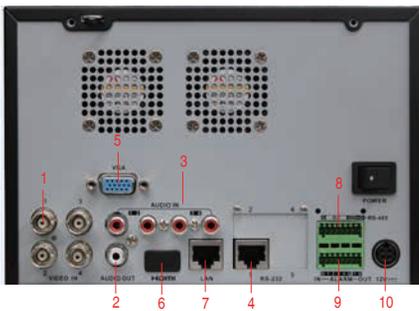
## ATM & POS DVR



### Key features

- H.264 & Dual-stream video compression
- Up to WD1(PAL:960×576,NTSC:960×480) resolution recording for analog cameras
- HDMI and VGA output at up to 1920×1080P resolution
- Providing multiple modes and protocols for ATM transaction information text overlay;
- Command recording and capture triggered by ATM transaction
- 2 SATA interfaces
- 5-inch LCD display

### Rear Panel of DS-7204AHWLI-E2



1. Video in
2. Audio out
3. Audio in
4. RS-232
5. VGA interface
6. HDMI interface
7. LAN
8. RS-485 interface, alarm in, alarm out
9. 12 VDC power supply
10. Switch

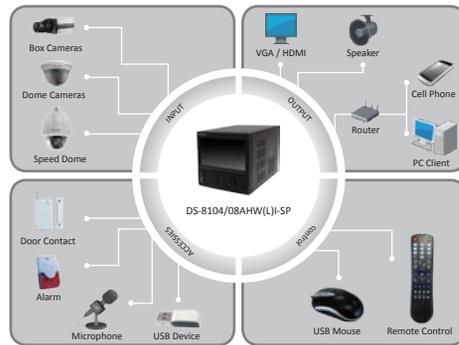
### Available models

DS-7204AHWLI-E2

| DS-7204AHWLI-E2                     |  |
|-------------------------------------|--|
| <b>Video/Audio input</b>            |  |
| Analog and HD-TVI video input       | 4-ch 8-ch<br>BNC(1.0Vp-p, 75Ω), PAL/NTSC self-adaptive   |
| Audio input                         | 4-ch<br>BNC (2.0 Vp-p, 1 KΩ)   |
| Recording resolution                | WD1 / 4CIF / DCIF / 2CIF / CIF / QCIF  |
| Two-way audio                       | 1-ch, BNC (2.0Vp-p, 1KΩ)   |
| <b>Video/Audio output</b>           |  |
| HDMI output                         | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |
| VGA output                          | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |
| CVBS output                         | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480                            |
| LCD display                         | 5-inch LCD display supporting touch operation  |
| <b>Encoding/Decoding Parameters</b> |  |
| Video compression                   | H.264  |
| Encoding resolution                 | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF  |
|                                     | Sub-stream: CIF / QCIF   |
| Frame rate                          | Main stream: 25 fps (P) / 30 fps (N)   |
|                                     | Sub-stream: 25 fps (P) / 30 fps (N)  |
| Video bitrate                       | 32 Kbps - 3072Kbps   |
| Audio compression                   | G711_U   |
| Audio bitrate                       | 64Kbps   |
| Dual-stream                         | Support  |
| Stream type                         | Video, Video & Audio   |
| Synchronous playback                | 4-ch   |
| <b>Hard disk</b>                    |  |
| SATA                                | 2 SATA interface   |
| Capacity                            | Up to 4 TB capacity for each disk  |
| <b>External interface</b>           |  |
| Network interface                   | 1; 10M/100M/1000M self-adaptive Ethernet interface   |
| USB port                            | 1, RS-232; 1, RS-485   |
| USB port                            | 2 × USB2.0   |
| Alarm in                            | 9  |
| Alarm out                           | 4  |
| Power supply (for external device)  | 2-ch, DC 12V/1A  |
| <b>General</b>                      |  |
| Power supply                        | 12 VDC   |
| Consumption                         | ≤ 13 W (without hard disk or DVD-RW)   |
| Working temperature                 | -10 °C ~ +55 °C (14°F ~ 131°F)   |
| Working humidity                    | 10% ~ 90%  |
| Chassis                             | 19-inch rack-mounted 1U chassis  |
| Dimensions (W x D x H)              | 445 × 261 × 44.5 mm  |
| Weight                              | ≤ 4 Kg / 8.82 lb(without hard disk)  |

# DS-8104/08AHW(L)I-ST

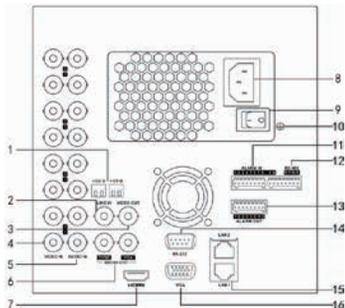
## ATM & POS Hybrid DVR



### Key features

- H.264 & Dual-stream video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording for network cameras
- Up to WD1(PAL:960×576,NTSC:960×480) resolution recording for analog cameras
- HDMI and VGA output at up to 1920×1080P resolution
- Providing multiple modes and protocols for ATM transaction information text overlay;
- Command recording and capture triggered by ATM transaction
- 4 SATA interfaces
- 7-inch LCD display supporting touch operation(DS-8104/08AHW(L)I-ST)

### Rear Panel of DS-8104/08AHW(L)I-ST



- |                          |                      |
|--------------------------|----------------------|
| 1. DC12V/1A Power Supply | 9. POWER             |
| 2. LINE IN               | 10. GND              |
| 3. VIDEO OUT             | 11. ALARM IN         |
| 4. VIDEO IN              | 12. RS-485 Interface |
| 5. AUDIO IN              | 13. ALARM OUT        |
| 6. AUDIO OUT             | 14. RS-232 Interface |
| 7. HDMI                  | 15. LAN Interface    |
| 8. AC 100-240V, 50~60Hz  | 16. VGA              |

### Available models

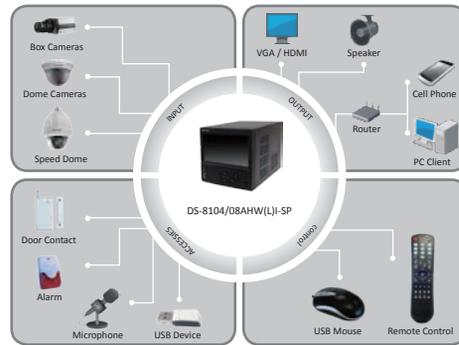
- DS-8104AHWLI-ST
- DS-8108AHWLI-ST

|   | DS-8104AHWLI-ST  | DS-8108AHWLI-ST                       |
|---|--|---------------------------------------|
| <b>Video/Audio input</b>                          |  |                                       |
| Analog and HD-TVI video input                     | 4-ch 8-ch<br>BNC(1.0Vp-p, 75Ω), PAL/NTSC self-adaptive   | 8-ch                                  |
| IP video input                                    | 8-ch   | 8-ch                                  |
| Composite video input                             | Up to 8-ch (Analog video + IP video)   | Up to 12-ch (Analog video + IP video) |
| Audio input                                       | 4-ch<br>BNC (2.0 Vp-p, 1 KΩ)   | 8-ch                                  |
| Recording resolution                              | 5MP / 3MP / 1080p / UXGA / 720p / VGA / WD1 / 4CIF / DCIF / 2CIF / CIF / QCIF                  |                                       |
| Two-way audio                                     | 1-ch, BNC (2.0Vp-p, 1KΩ)   |                                       |
| Incoming bandwidth                                | 40Mbps   |                                       |
| <b>Video/Audio output</b>                         |  |                                       |
| HDMI output                                       | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |                                       |
| VGA output  | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz |                                       |
| CVBS output                                       | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480                            |                                       |
| LCD display(Only available on DS-8104/08AHWLI-ST) | 7-inch LCD display supporting touch operation  |                                       |
| <b>Encoding/Decoding Parameters</b>               |  |                                       |
| Video compression                                 | H.264  |                                       |
| Encoding resolution                               | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF  |                                       |
|   | Sub-stream: CIF / QCIF   |                                       |
| Frame rate  | Main stream: 25 fps (P) / 30 fps (N)   |                                       |
|   | Sub-stream: 25 fps (P) / 30 fps (N)  |                                       |
| Video bitrate                                     | 32 Kbps ~ 3072Kbps   |                                       |
| Audio compression                                 | G711_U   |                                       |
| Audio bitrate                                     | 64Kbps   |                                       |
| Dual-stream                                       | Support  |                                       |
| Stream type                                       | Video, Video & Audio   |                                       |
| Synchronous playback                              | 4-ch   |                                       |
| <b>Hard disk</b>                                  |  |                                       |
| SATA  | 4 SATA interface   |                                       |
| Capacity  | Up to 4 TB capacity for each disk  |                                       |
| <b>External interface</b>                         |  |                                       |
| Network interface                                 | 2; 10M/100M/1000M self-adaptive Ethernet interface   |                                       |
| USB port  | 1, RS-232; 1, RS-485   |                                       |
| USB port  | 2 × USB2.0   |                                       |
| Alarm in  | 9  |                                       |
| Alarm out   | 4  |                                       |
| Power supply (for external device)                | 2-ch, DC 12V/1A  |                                       |
| <b>General</b>                                    |  |                                       |
| Power supply                                      | AC 100-240V, 50~60Hz   |                                       |
| Consumption                                       | Max. 30W (without hard disk)   |                                       |
| Working temperature                               | -10 °C ~ +55 °C (14 °F ~ 131 °F)   |                                       |
| Working humidity                                  | 10% ~ 90%  |                                       |
| Dimensions(W × D × H)                             | 180 × 280 × 180 mm   |                                       |
| Weight  | Approx. 5 kg / 11.02lbs (without hard disk)  |                                       |

PTZ DOME  
NETWORK  
ANALOG  
DVR  
NVR  
ATM DVR  
VIDEO ENCODER  
CARD  
NETWORK STORAGE

# DS-8104/08AHW(L)I-SP

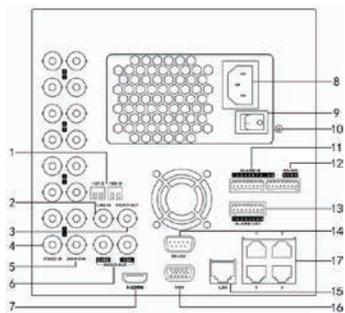
## ATM & POS PoE Hybrid DVR



### Key features

- H.264 & Dual-stream video compression
- Third-party network cameras supported
- Up to 5 Megapixels resolution recording for network cameras
- Up to WD1(PAL:960×576,NTSC:960×480) resolution recording for analog cameras
- HDMI and VGA output at up to 1920×1080P resolution
- Providing multiple modes and protocols for ATM transaction information text overlay;
- Command recording and capture triggered by ATM transaction
- 4 SATA interfaces
- 7-inch LCD display supporting touch operation(DS-8104/08AHWLI-SP)
- 4 PoE network interfaces supporting plug & play for connected network cameras;

### Rear Panel of DS-8104/08AHW(L)I-SP



- DC12V/1A Power Supply
- LINE IN
- VIDEO OUT
- VIDEO IN
- AUDIO IN
- AUDIO OUT
- HDMI
- AC 100-240V, 50~60Hz
- POWER
- GND
- ALARM IN
- RS-485 Interface
- ALARM OUT
- RS-232 Interface
- LAN Interface
- VGA
- PoE Interface

### Available models

- DS-8104AHWLI-SP
- DS-8108AHWLI-SP

|   | DS-8104AHW(L)I-SP   | DS-8108AHW(L)I-SP                     |
|---|---|---------------------------------------|
| <b>Video/Audio input</b>                          |   |                                       |
| Analog and HD-TVI video input                     | 4-ch 8-ch<br>BNC(1.0Vp-p, 75Ω), PAL/NTSC self-adaptive  | 8-ch                                  |
| IP video input                                    | 8-ch  | 8-ch                                  |
| Composite video input                             | Up to 8-ch (Analog video + IP video)  | Up to 12-ch (Analog video + IP video) |
| Audio input                                       | 4-ch<br>BNC (2.0 Vp-p, 1 KΩ)  | 8-ch                                  |
| Recording resolution                              | 5MP / 3MP / 1080p / UXGA / 720p / VGA / WD1 / 4CIF / DCIF / 2CIF / CIF / QCIF                         |                                       |
| Two-way audio                                     | 1-ch, BNC (2.0Vp-p, 1KΩ)  |                                       |
| Incoming bandwidth                                | 40Mbps  |                                       |
| <b>Video/Audio output</b>                         |   |                                       |
| HDMI output                                       | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz        |                                       |
| VGA output  | 1-ch; 1920 × 1080 / 60 Hz (1080P), 1280 × 1024 / 60 Hz, 1280 × 720 / 60 Hz, 1024 × 768 / 60 Hz        |                                       |
| CVBS output                                       | 1-ch, BNC (1.0 Vp-p, 75 Ω), resolution: PAL: 704×576, NTSC: 704×480                                   |                                       |
| LCD display(Only available on DS-8104/08AHWLI-ST) | 7-inch LCD display supporting touch operation   |                                       |
| <b>Encoding/Decoding Parameters</b>               |   |                                       |
| Video compression                                 | H.264   |                                       |
| Encoding resolution                               | Main stream: WD1 / 4CIF / 2CIF / CIF / QCIF<br>Sub-stream: CIF / QCIF                                 |                                       |
| Frame rate  | Main stream: 25 fps (P) / 30 fps (N)<br>Sub-stream: 25 fps (P) / 30 fps (N)                           |                                       |
| Video bitrate                                     | 32 Kbps - 3072Kbps  |                                       |
| Audio compression                                 | G711_U  |                                       |
| Audio bitrate                                     | 64Kbps  |                                       |
| Dual-stream                                       | Support   |                                       |
| Stream type                                       | Video, Video & Audio  |                                       |
| Synchronous playback                              | 4-ch  |                                       |
| <b>Hard disk</b>                                  |   |                                       |
| SATA  | 4 SATA interface  |                                       |
| Capacity  | Up to 4 TB capacity for each disk   |                                       |
| <b>External interface</b>                         |   |                                       |
| Network interface                                 | 1; 10M/100M/1000M self-adaptive Ethernet interface<br>4, 10M/100M self-adaptive PoE network interface |                                       |
| USB port  | 1, RS-232; 1, RS-485  |                                       |
| USB port  | 2 × USB2.0  |                                       |
| Alarm in  | 9   |                                       |
| Alarm out   | 4   |                                       |
| Power supply (for external device)                | 2-ch, DC 12V/1A   |                                       |
| <b>General</b>                                    |   |                                       |
| Power supply                                      | AC 100-240V, 50~60Hz  |                                       |
| Consumption                                       | Max. 30W (without hard disk)  |                                       |
| Working temperature                               | -10 °C ~ +55 °C (14 °F ~ 131 °F)  |                                       |
| Working humidity                                  | 10% ~ 90%   |                                       |
| Dimensions(W × D × H)                             | 180 × 280 × 180 mm  |                                       |
| Weight  | Approx. 5 kg / 11.02lbs (without hard disk)   |                                       |

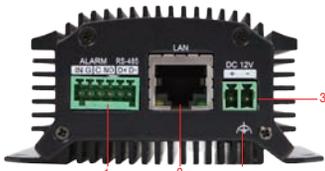


VIDEO ENCODER

# DS-6701/04/08/16HFI/HWI(-SATA)

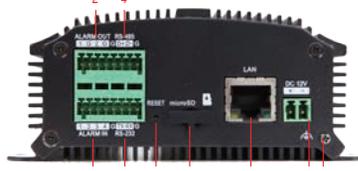
## Video Encoder

DS-6701HFI/HWI



1. Alarm in/Alarm out
2. LAN
3. 12 VDC
4. GND

DS-6704HFI/HWI



1. Alarm in
2. Alarm out
3. RS-232 interface
4. RS-485 interface
5. Reset
6. MicroSD
7. LAN
8. 12 VDC
9. GND

DS-6708HFI/HWI(-SATA)



1. Video in
2. Line in
3. Audio out
4. Audio in
5. LAN
6. Reset
7. RS-232, RS-485 interface
8. Alarm in
9. Alarm out
10. 12 VDC
11. GND

### Key features

- H.264/MPEG4/MPEG2/MJPEG encoding standards supported
- Support encoding video at up to 4CIF resolution for DS-6700HFI (-SATA) and up to WD1 resolution for DS-6700HWI (-SATA)
- One independent PoE network interfaces for DS-6701/6704HFI/HWI models;
- Connectable with network HDD in NAS, IPSAN mode
- Support multiple network protocols, including IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3, OnVIF, PSIA, SOCKSv4/v5, etc.;
- Multiple PTZ protocols

DS-6716HFI/HWI(-SATA)



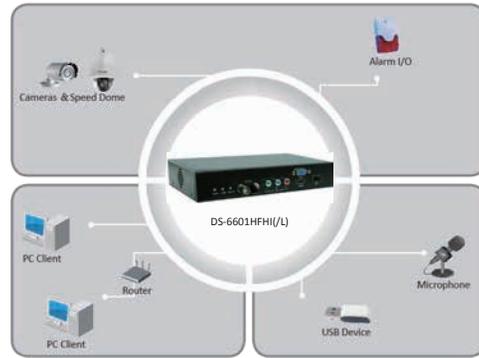
1. Video in
2. Line in
3. Audio out
4. Audio in
5. LAN
6. Reset
7. RS-232, RS-485 interface
8. Alarm in
9. Alarm out
10. 12 VDC
11. GND

|                           | DS-6701HFI/HWI(-SATA)  | DS-6704HFI/HWI(-SATA)                                      | DS-6708HFI/HWI(-SATA)  | DS-6716HFI/HWI(-SATA)                                |
|---------------------------|--|--|--|--|
| <b>Video/Audio input</b>  |  |  |  |  |
| Video Compression         | H.264 / MPEG4 / MPEG2 / MJPEG  |  |  |  |
| Video input               | 1-ch, BNC (1.0 Vp-p, 75 Ω)   | 4-ch, BNC (1.0 Vp-p, 75 Ω)                                 | 8-ch, BNC (1.0 Vp-p, 75 Ω)                                   | 16-ch, BNC (1.0 Vp-p, 75 Ω)                          |
| Audio Compression         | G.711u   |  |  |  |
| Audio input               | 1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)   | 4-ch, Line input interface (2.0 Vp-p, 1 kΩ)                | 8-ch, Line input interface (2.0 Vp-p, 1 kΩ)                  | 16-ch, Line input interface (2.0 Vp-p, 1 kΩ)         |
| Two-way audio input       | 1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ) (LINE IN)   | 1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)                     | 1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)                       | 1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)               |
| <b>Video/Audio output</b> |  |  |  |  |
| Audio output              | 1-ch, 3.5mm interface (Linear, 600 Ω)  |  |  |  |
| Recording resolution      | DS-6700HFI(-SATA): 4CIF / 2CIF / CIF / QCIF<br>DS-6700HWI(-SATA): WD1 / 4CIF / 2CIF / CIF / QCIF   |  |  |  |
| Frame rate                | 25 fps (P) / 30 fps/N  |  |  |  |
| Video bit rate            | 32 Kbps ~ 3072 Kbps, or user defined (Max. 8192 Mbps)  |  |  |  |
| Audio bit rate            | 64 Kbps  |  |  |  |
| Dual-stream               | Support  |  |  |  |
| Stream type               | Video, Video & Audio   |  |  |  |
| <b>Data storage</b>       |  |  |  |  |
| Type                      | NAS, iSCSI, IPSAN, MicroSD   | NAS, iSCSI, IPSAN, MicroSD                                 | NAS, iSCSI, IPSAN  | NAS, iSCSI, IPSAN                                    |
| Capacity                  | Up to 4 TB capacity for each disk, and 32G for microSD storage   |  |  |  |
| <b>External interface</b> |  |  |  |  |
| Network interface         | 1 RJ-45 10 M / 100 Mbps adaptive Ethernet interface (PoE)  |  | 1 RJ-45 10 M / 100 M / 1000 Mbps adaptive Ethernet interface |  |
| Protocols                 | IPv4/v6, HTTP, HTTPS, QoS layer3 DiffServ, FTP, SMTP, Bonjour, UPnP, SNMPv1/v2c/v3(MIB-II), DNS, DynDNS, hkDDNS, NTP, RTSP, RTP/RTCP, TCP, UDP, IGMP, ICMP, DHCP, ARP, SOCKSv4/v5, PSIA, OnVIF, Hik CGI, netFilter |  |  |  |
| Serial interface          | 1 half-duplex RS-485 interface   | 1 half-duplex RS-485 interface<br>1 RS-232 interface       | 1 half-duplex RS-485 interface<br>1 RS-232 interface         | 1 half-duplex RS-485 interface<br>1 RS-232 interface |
| Alarm in                  | 1  | 4  | 8  | 16   |
| Alarm out                 | 1  | 2  | 4  | 4  |
| <b>General</b>            |  |  |  |  |
| Power supply              | 12 VDC   |  |  |  |
| Consumption               | ≤ 5W   | ≤ 7W   | ≤ 10W  | ≤ 22W  |
| Working temperature       | -10 °C ~ +55 °C  |  |  |  |
| Working humidity          | 10% ~ 90%  |  |  |  |
| Dimensions (W × D × H)    | 80 × 39 × 90 mm<br>315 × 45 × 200 mm (for "-SATA" model)   | 114 × 48 × 128 mm<br>315 × 45 × 200 mm (for "-SATA" model) | 315 × 45 × 200 mm  | 440 × 45 × 274 mm                                    |
| Weight                    | ≤ 0.5 Kg   | ≤ 1 Kg   | ≤ 2 Kg   | ≤ 4 Kg   |

\* -SATA: 1 SATA interface

# DS-6601HFHI(L)

## High Definition Video Encoder



### Key features

- H.264 video compression
- 1920×1080P resolution real-time recording
- HD-SDI/FC/HDMI/VGA/YPbPr video input interfaces
- Dual-stream
- Multiple PTZ protocols
- SADP(IP Finder), UDP, RTP and RTSP protocols

### Rear Panel of DS-6601HFHI



1. Reset
2. Audio in
3. Line in
4. Audio out
5. LAN (10 M/100 M/1000 Mbps self-adaptive UTP ethernet interface)
6. RS-232 serial interface
7. RS-485 serial interface, alarm in, alarm out
8. 12 VDC power input
9. GND

### Available models

- DS-6601HFHI
- DS-6601HFHI/L

| DS-6601HFHI(L)         |  |
|------------------------|--|
| Video/Audio input      |  |
| Video compression      | H.264  |
| HD-SDI video input     | 1-ch, HD-SDI (800mVp-p, 75Ω)<br>1920×1080P / 25Hz, 1920×1080P / 30Hz, 1920×1080 / 50Hz, 1920×1080 / 60Hz, 1920×720P / 25Hz, 1280×720P / 30Hz, 1920×720P / 50Hz, 1280×720P / 60Hz |
| FC video input         | Resolution: 1920×1080P / 25Hz, 1280×720P / 25Hz, 1600×1200 / 25Hz  |
| HDMI video input       | 1-ch, Resolution: 1600×1200 / 60Hz, 1920×1080P / 60Hz, 1280×720P / 60Hz, 1280×1024 / 60Hz, 1024×768 / 60Hz   |
| VGA video input        | 1-ch, Resolution: 1600×1200P / 60Hz, 1920×1080P / 60Hz, 1920×1080P / 50Hz, 1280×720P / 60Hz, 1280×1024 / 60Hz, 1024×768 / 60Hz   |
| YPbPr video input      | 1-ch, Resolution: 1920×1080 / 60Hz, 1920×1080 / 50Hz, 1920×1080P / 25Hz, 1920×1080P / 30Hz, 1280×720P / 60Hz, 1280×720P / 50Hz   |
| Audio compression      | G.711  |
| Audio input            | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |
| Two-way audio input    | 1-ch, RCA (2.0 Vp-p, 1 kΩ)   |
| Video/Audio output     |  |
| Audio output           | 1-ch, RCA (Linear, 1 kΩ)   |
| Encoding resolution    | 1920×1080 / 1600×1200 / 1280×1024 / 1280×720 / 1024×768 / 704×576 / 352×288 (depending on the type of video input interface connected)   |
| Frame rate             | 1 / 16 ~ 25 / 30 / 50 / 60 fps   |
| Video bit rate         | 32 Kbps ~ 16 Mbps  |
| Audio bit rate         | 64 Kbps  |
| Dual stream            | Support  |
| Stream type            | Video, Video & Audio   |
| Network protocols      |  |
| Protocols Supported    | TCP / IP, UDP, IPv4, IPv6; HTTP, RTP, RTSP, NFS, iSCSI, DHCP, NTP, SMTP, SNMPv1, SNMPv2c, SNMPv3, UPNP, SADP, PPPoE, DNS, FTP; IP Server, DynDNS, PeanutHull, NO-IP; PSIA.       |
| Network disk           |  |
| Network Disk           | 8 network disks (NAS / IP SAN)   |
| Capacity               | Up to 2TB capacity for each disk   |
| External interface     |  |
| Network interface      | 1, 10 M / 100 M / 1000 Mbps Ethernet interface   |
| Serial interface       | 1, RS-485, 1 RS-232  |
| Alarm in               | 2  |
| Alarm out              | 1  |
| General                |  |
| Power supply           | 12 VDC   |
| Power Consumption      | ≤ 13W  |
| Working temperature    | -10°C ~ +55°C  |
| Working humidity       | 10% ~ 90%  |
| Dimensions (W × D × H) | 200 × 123 × 39 mm  |
| Weight                 | ≤ 1.5 kg   |

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ATM DVR

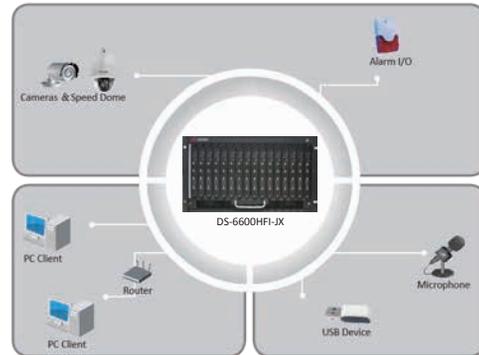
VIDEO ENCODER

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# DS-6600HFI-JX

## ATCA Standard Video Encoder



- Up to 64-ch video&audio input
- H.264/MPEG4/MPEG2/MJPEG encoding
- 16 slots available for audio/video output modules (DS-6604HFI-B)
- Each DS-6604HFI-B module provides 4-ch audio/video inputs
- Full channel@4CIF resolution real-time recording
- Standard rack-mounted chassis structure
- Pluggable modular design provides high flexibility

### Rear Panel of DS-6600HFI-JX



1. VIDEO IN
2. LAN (10 / 100 Mbps Ethernet interface)
3. ALARM IN, ALARM OUT, RS-485 Serial Interface
4. LINE IN
5. AUDIO OUT
6. POWER
7. GND

### Available models

DS-6600HFI-JX

| DS-6600HFI-JX                                    |   |
|--|---|
| Chassis Component                                |   |
| Chassis  | Chassis with power adapter  |
| Slot   | 16 slots available for audio/video output modules (DS-6604HFI-B)  |
| Video/Audio Input and Output (Each DS-6604HFI-B) |   |
| Video Compression                                | H.264   |
| Video input                                      | 4-ch, BNC (1.0 Vp-p, 75 Ω)  |
| Audio Compression                                | OggVorbis   |
| Audio input                                      | 4-ch, DB15 (2.0 Vp-p, 1 Ω)  |
| Two-way audio                                    | 1-ch, 3.5 mm audio interface (Linear, 1 kΩ)   |
| Audio output                                     | 1-ch, 3.5 mm audio interface (Linear, 600Ω)   |
| Recording resolution                             | 4CIF / 2CIF / CIF / QCIF  |
| Frame rate                                       | Main Stream: 4CIF / 2CIF / CIF / QCIF @ 25 fps (P) / 30 fps/N<br>Sub stream: CIF / QCIF @ 25 fps (P) / 30 fps/N |
| Video bit rate                                   | 32 Kbps ~ 2048 Kbps, or user defined (Max. 3072 Mbps)   |
| Audio bit rate                                   | 64 Kbps   |
| Dual Stream                                      | Support   |
| Stream Type                                      | Video, Video & Audio  |
| External interface                               |   |
| Network interface                                | 1 10 / 100 Mbps Ethernet interface  |
| Serial interface                                 | 1 RS-485 half-duplex interface (PTZ control), 1 RS-232 interface  |
| Alarm in   | 4   |
| Alarm out  | 1   |
| General  |   |
| Power supply                                     | 220 VAC, 47-63 Hz   |
| Consumption                                      | ≤ 150 W   |
| Working temperature                              | -10°C ~ + 55°C  |
| Working humidity                                 | 10% ~ 90%   |
| Chassis  | 19-inch rack-mounted 6 U chassis  |
| Dimensions (W × D × H)                           | 441× 266 × 167 mm   |
| Weight   | ≤ 25 kg (55.1 lb)   |

# DS-6101HFI-IP-A

## Video Encoder



### Key features

- High performance DSP hardware compression
- H.264 video compression
- 4CIF resolution real-time recording
- Dual-stream
- Support variable bit rate and variable frame rate
- Embedded Linux OS

### Available models

DS-6101HFI-IP-A

| DS-6101HFI-IP-A                |  |
|--------------------------------|--|
| Video/Audio input              |  |
| Video compression              | H.264  |
| Video input                    | 1-ch   |
| Video input interface          | BNC (1.0 Vp-p, 75 Ω)                               |
| Audio compression              | OggVorbis, 16 Kbps                                 |
| Audio input                    | 1-ch   |
| Audio input interface          | BNC (2.0 Vp-p, 1 kΩ)                               |
| Two-way audio input            | 1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)      |
| Video/Audio output             |  |
| Encoding / Decoding resolution | 4CIF / DCIF / 2CIF / CIF / QCIF                    |
| Frame rate                     | 25 fps (P) / 30 fps (N)                            |
| Dual-stream                    | Support  |
| Video bit rate                 | 32 Kbps ~ 2 Mbps, or user defined (Max. 8 Mbps)    |
| Audio output                   | 1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)     |
| Stream type                    | Video, Video & Audio                               |
| External interface             |  |
| Network interface              | 1 RJ45 10M / 100M self-adaptive Ethernet interface |
| RS-232 Port                    | 1 RJ45 RS-232 Port                                 |
| RJ-485 port                    | 1 (T+, T-)   |
| Alarm in                       | 1  |
| Alarm out                      | 1  |
| General                        |  |
| Power supply                   | 12 VDC   |
| Consumption                    | ≤ 12 W   |
| Working temperature            | -10 °C ~ +55 °C (14 °F ~ 131 °F)                   |
| Working humidity               | 10% ~ 90%  |
| Dimensions (W × D × H)         | 120 x 70 x 45 mm                                   |
| Weight                         | ≤ 0.5 kg(without HDD)                              |

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# IP Module



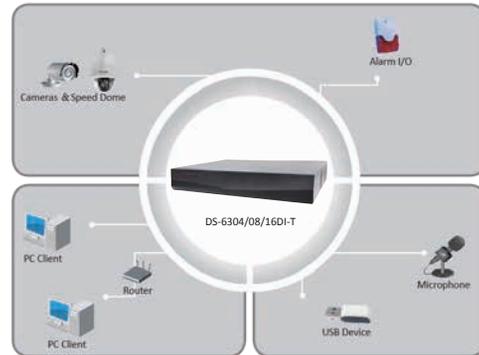
## Key features

Hivision IP module applies Embedded Linux OS and the latest TI DaVinci DSP platform. The product can be embedded into analog camera and analog speed dome to build IP camera and IP dome. With chassis board, IP module also can be used as one channel network digital video server

| IP Module             |  |
|-----------------------|--|
| Video/Audio input     |  |
| Video compression     | H.264  |
| Video input           | 1-ch   |
| Video input interface | BNC (1.0Vp-p, 75 Ω)                                      |
| Audio compression     | OggVorbis, 16 Kbps                                       |
| Audio input           | 1-ch   |
| Audio input interface | BNC (2.0 Vp-p, 1 kΩ)                                     |
| Two-way audio input   | 1-ch, 3.5 mm audio interface (2.0 Vp-p, 1 kΩ)            |
| Video/Audio output    |  |
| Encoding resolution   | 4CIF / DCIF / 2CIF / CIF / QCIF                          |
| Frame rate            | 25 fps (P) / 30 fps (N)                                  |
| Stream type           | Video, Video & Audio                                     |
| Dual-stream           | Support  |
| Video bit rate        | 32 Kbps ~ 2 Mbps, or user defined (Max. 8 Mbps)          |
| Audio output          | 1-ch, 3.5 mm audio interface (2.0 Vp-p, 600 Ω)           |
| External interface    |  |
| Network interface     | 1 RJ45 10M / 100M self-adaptive Ethernet interface       |
| RS-232 Port           | 1 RJ45 RS-232 Port                                       |
| RS-485 port           | 1 (T+, T-)   |
| Alarm in              | 1  |
| Alarm out             | 1  |
| General               |  |
| Power supply          | 12 VDC   |
| Consumption           | ≤ 12 W   |
| Working temperature   | -10 °C ~ +55 °C  |
| Working humidity      | 10% ~ 90%  |
| Dimensions            | Compression board: 48 x 80 mm; Chassis board: 53 x 94 mm |
| Weight                | ≤ 0.5 kg (without HDD)                                   |

# DS-6304/08/16DI-T

## Video Decoder



### Key features

- H.264 and MPEG4 video stream supported
- Up 8-ch 720P/16-ch 4CIF video stream decode
- VGA output at up to 1920×1080P resolution
- Up to 4-ch VGA and 16-ch CVBS output
- SADP(IP Finder),UDP, RTP and NTP protocols
- Video display on TV wall
- 32 users with multi-user level management

### Rear Panel of DS-6300DI-T



1. VGA outputs
2. BNC outputs
3. Audio output (for VGA video output)
4. LINE IN/OUT
5. Audio output (for VGA BNC output), DB15 interface.
6. RS-232 serial interface
7. LAN, 10/100/1000 Mbps Ethernet interface
8. RS-485 serial interface
9. ALARM IN/ALARM OUT
10. GND
11. Power supply
12. Power switch

### Available models

- DS-6304DI-T
- DS-6308DI-T
- DS-6316DI-T

|                               | DS-6304DI-T  | DS-6308DI-T  | DS-6316DI-T   |
|-------------------------------|--|--|---|
| <b>Video/Audio output</b>     |  |  |   |
| Video output                  | 2-ch   | 4-ch   | 4-ch  |
| VGA output                    | 1920×1080@60/50Hz, 1600×1200@60Hz,<br>1280×1024@60Hz,<br>1280×720@50/60Hz, 1024×768@60Hz |  |   |
| CVBS output                   | 4-ch   | 8-ch   | 16-ch   |
| Audio output                  | 2-ch, RCA connector;<br>4-ch, DB15 connector×1   | 4-ch, RCA connector;<br>8-ch, DB15 connector×1           | 4-ch, RCA connector;<br>8-ch, DB15 connector×1            |
| <b>Audio/Video Decoding</b>   |  |  |   |
| Video Stream Format Supported | H.264 /MPEG4/MPEG2/Private   |  |   |
| Audio Stream Format Supported | G.722/G.711A/G.711U/MPEG2-L2/ACC   |  |   |
| Decoding Capability           | 4-ch at 720P<br>8-ch at 4CIF<br>16-ch at CIF resolution                                  | 8-ch at 720P<br>16-ch at 4CIF<br>32-ch at CIF resolution | 16-ch at 720P<br>32-ch at 4CIF<br>64-ch at CIF resolution |
| Multi-division Display        | 1 / 4 / 9 / 16   |  |   |
| <b>External interface</b>     |  |  |   |
| Network Interface             | 1; 10/100/1000 Mbps self-adaptive Ethernet interface                                     |  |   |
| Serial Interface              | 1 RS-232 (DB9), 1 RS-485   |  |   |
| Two-way Audio In              | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)  |  |   |
| Two-way Audio Out             | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)  |  |   |
| Alarm In                      | 4  |  |   |
| Alarm Out                     | 4  |  |   |
| <b>General</b>                |  |  |   |
| Power Supply                  | 100~240VAC   |  |   |
| Power Consumption             | ≤ 50W  |  |   |
| Working temperature           | -10 °C ~ +55 °C  |  |   |
| Working Humidity              | 10% ~ 90%  |  |   |
| Dimensions (W × D × H)        | 440×340×70 mm  |  |   |
| Weight                        | 5.2 kg(without HDD)  |  |   |

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NVR

ATM DVR

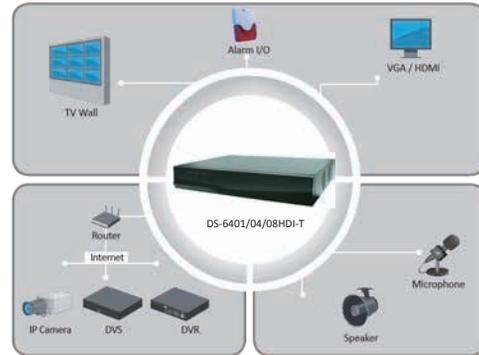
VIDEO ENCODER

CARD

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# DS-6401/04/08HDI-T

## High Definition Video Decoder



### Key features

- H.264 and MPEG4 video stream supported
- Up to 5 Megapixels resolution decoding
- HDMI and VGA output at up to 1920×1080P resolution
- SADP(IP Finder),UDP, RTP and NTP protocols
- Video display on TV wall
- Active and passive decoding modes
- 32 users with multi-user level management

### Rear Panel of DS-6400HDI-T



1. VGA outputs (VGA1 ~ VGA8)
2. HDMI video outputs (HDMI1 ~ HDMI8)
3. Line in/out
4. Audio out
5. RS-232 serial interface
6. LAN, 10/100/1000 Mbps Ethernet
7. RS-485 serial interface
8. Alarm in/alarm out(4 inputs/2 outputs)
9. GND
10. Switch
11. Power supply

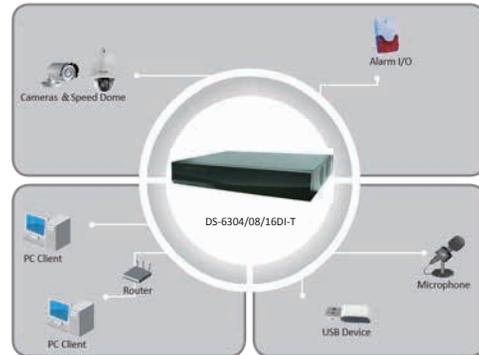
### Available models

- DS-6401HDI-T
- DS-6404HDI-T
- DS-6408HDI-T

|                             | DS-6401HDI-T  | DS-6404HDI-T  | DS-6408HDI-T   |
|-----------------------------|---|---|--|
| <b>Video/Audio output</b>   |   |   |  |
| VGA output                  | 1-ch<br>1920×1080@60 / 50Hz, 1600×1200@60Hz, 1280×1024@60Hz, 1280×720@50 /60Hz, 1024×768@60Hz | 4-ch  | 8-ch   |
| HDMI output                 | 1-ch<br>1920×1080@60 / 50Hz, 1600×1200@60Hz, 1280×1024@60Hz, 1280×720@50 /60Hz, 1024×768@60Hz | 4-ch  | 8-ch   |
| CVBS output                 | 1-ch  | 2-ch  | 4-ch   |
| Audio output                | 1-ch, RCA connector   | 4-ch, DB15 connector  | 8-ch, DB15 connector   |
| <b>Audio/Video Decoding</b> |   |   |  |
| IP video input              | H.264 / MPEG4/ MPEG2/ Private   |   |  |
| Decoding Capability         | 2-ch at 5MP<br>4-ch at 1080P<br>8-ch at 720P<br>16-ch at 4CIF resolution                      | 4-ch at 5MP<br>8-ch at 1080P<br>16-ch at 720P<br>32-ch at 4CIF resolution | 8-ch at 5MP<br>16-ch at 1080P<br>32-ch at 720P<br>64-ch at 4CIF resolution |
| Multi-division Display      | 1 / 4 / 9 / 16  |   |  |
| Audio compression           | G.722 / G.711A / G.711U / MPEG2-L2 / ACC  |   |  |
| Two-way audio input in      | 2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)  |   |  |
| <b>External interface</b>   |   |   |  |
| Network Interface           | 1; 10 / 100 / 1000Mbps self-adaptive Ethernet interface                                       |   |  |
| Serial Interface            | 1 RS-232 (DB9), 1 RS-485  |   |  |
| Alarm In                    | 4   |   |  |
| Alarm Out                   | 4   |   |  |
| <b>General</b>              |   |   |  |
| Power Supply                | 12 VDC  | 100 ~ 240 VAC   | 100 ~ 240 VAC  |
| Power Consumption           | Max. 15W  | Max. 70W  | Max. 70W   |
| Working temperature         | -10 °C ~ +55 °C   |   |  |
| Working Humidity            | 10% ~ 90%   |   |  |
| Chassis                     | 19-inch rack-mounted 1U chassis   | 19-inch rack-mounted 1.5U chassis   | 19-inch rack-mounted 1.5U chassis  |
| Dimensions (W × D × H)      | 220×180×45mm  | 440×340×70mm  | 440×340×70mm   |
| Weight(without HDD)         | 1.12 kg   | 5.2 kg  | 5.2 kg   |

# DS-6404/08/12/16HDI-S

## Video Decoder



### Key features

- H.264 and MPEG4 video stream supported
- Up to 5 Megapixels resolution decoding
- HDMI and VGA output at up to 1920×1080P resolution
- SADP(IP Finder),UDP, RTP and NTP protocols
- Video display on TV wall
- Active and passive decoding modes
- 32 users with multi-user level management

### Rear Panel of DS-6400HDI-S



1. DVI-I Output, DVI/HDMI/VGA output of decoded video
2. LINE IN/OUT
3. RS-232 serial interface
4. LAN, 10/100/1000 Mbps Ethernet interface
5. RS-485 serial interface
6. GND
7. Power switch
8. Power supply

### Available models

- DS-6404HDI-S
- DS-6408HDI-S
- DS-6412HDI-S
- DS-6416HDI-S

|                           | DS-6404HDI-S   | DS-6408HDI-S   | DS-6412HDI-S  | DS-6416HDI-S   |
|---------------------------|--|--|---|--|
| <b>Video Wall</b>         |  |  |   |  |
| Window Jointing Mode      | m*n ≤ 4  | m*n ≤ 8  | m*n ≤ 12  | m*n ≤ 16   |
| CVBS output               | 32   | 64   | 90  | 100  |
| <b>Audio/Video Output</b> |  |  |   |  |
|                           | 4-ch   | 8-ch   | 12-ch   | 16-ch  |
| DVI/HDMI/VGA Output       | Resolution:<br>1080P: 1920 × 1080@50Hz, 1920 × 1080@60Hz<br>UXGA: 1600 × 1200@60Hz<br>SXGA: 1280 × 1024@60Hz<br>720P: 1280 × 720@50Hz, 1280 × 720@60Hz<br>XGA: 1024 × 768@60Hz |  |   |  |
| Decoding Capability       | 2-ch at 8MP,<br>4-ch at 5MP;<br>8-ch at 1080P;<br>16-ch at 720P;<br>32-ch at 4CIF<br>resolution  | 4-ch at 8MP,<br>8-ch at 5MP;<br>16-ch at 1080P;<br>32-ch at 720P;<br>64-ch at 4CIF<br>resolution | 6-ch at 8MP,<br>12-ch at 5MP;<br>24-ch at 1080P;<br>48-ch at 720P;<br>90-ch at 4CIF<br>resolution | 8-ch at 8MP,<br>16-ch at 5MP;<br>32-ch at 1080P;<br>64-ch at 720P;<br>100-ch at 4CIF<br>resolution |
| <b>External interface</b> |  |  |   |  |
| Network Interface         | 1; 10/100/1000 Mbps self-adaptive Ethernet interface   |  |   |  |
| Serial Interface          | 1 RS-232 (DB9), 1 RS-485   |  |   |  |
| Two-way Audio In          | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)  |  |   |  |
| Two-way Audio Out         | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)  |  |   |  |
| <b>General</b>            |  |  |   |  |
| Power Supply              | 100~240VAC   |  |   |  |
| Power Consumption         | ≤ 90W  |  |   |  |
| Working temperature       | -10 °C ~ +55 °C  |  |   |  |
| Working Humidity          | 10% ~ 90%  |  |   |  |
| Dimensions (W × D × H)    | 440 × 340 × 88 mm  |  |   |  |
| Weight                    | ≤ 6.3 kg   |  |   |  |

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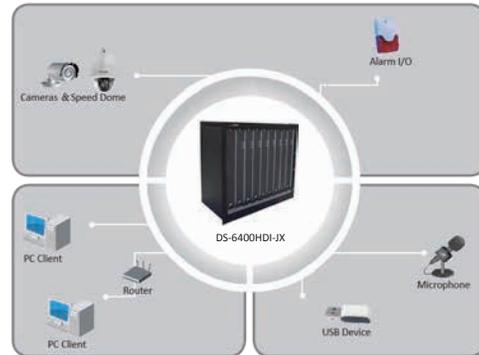
VIDEO ENCODER

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# DS-6400HDI-T-JX

## ATCA Standard Video Decoder



### Key features

- H.264 /MPEG4/MPEG2/Private video stream supported
- Up to 1920×1080P resolution decoding
- 8 slots available for audio/video output modules (DS-6408HDI-T-B )
- Each DS-6408HDI-T-B module provides 8-ch 5MP/16-ch 1080P/32-ch 720P/64-ch 4CIF video stream decode
- HDMI and DVI output at up to 1920×1080P resolution
- Standard rack-mounted chassis structure (8U 19")
- Pluggable modular design provides high flexibility

### Rear Panel of DS-6400HDI-T-JX



1. BNC Video Output
2. DVI Video Output
3. LINE IN/OUT (3.5mm connector)
4. AUDIO OUT(DB15 connector)
5. RS-232 Serial Interface
6. LAN, 10/100/1000 Mbps Ethernet interface
7. RS-485 serial interface, ALARM IN, ALARM OUT
8. Power supply
9. GND

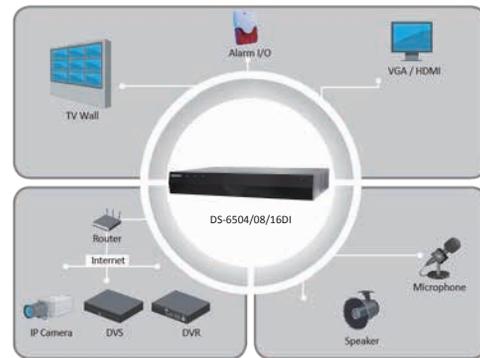
### Available models

DS-6400HDI-T-JX

| DS-6400HDI-T-JX                                     |   |
|---|---|
| Chassis Component                                   |   |
| Chassis   | DS-6464-T Chassis   |
| Number of Slots                                     | 8 slots for audio/video output modules  |
| Audio/Video Output (Single DS-6408HDI-T-B Module)   |   |
| CVBS Output   | 4-ch BNC outputs, resolution:<br>PAL: 704×576, NTSC: 704×480  |
| DVI Output  | 8-ch DVI output, resolution:<br>1080P: 1920×1080 @60/50Hz<br>UXGA: 1600×1200 @60Hz<br>720P: 1280×720 @60/50Hz<br>SXGA: 1280×1024 @60Hz<br>XGA: 1024×768 @60Hz |
| Audio Output  | 8-ch, DB15 connector  |
| Audio/Video Decoding (Single DS-6408HDI-T-B Module) |   |
| Video Stream Format Supported                       | H.264 /MPEG4/MPEG2/Private  |
| Audio Stream Format Supported                       | G.722/G.711A/G.711U/MPEG2-L2/ACC  |
| Video Decoding Resolution                           | 1080P(1920×1080P), 720P(1280×720P), UXGA(1600×1200), SVGA(800×600), VGA(640×480)  |
| Video Decoding Channels                             | 8-ch at 5MP / 16-ch at 1080P / 32-ch at 720P /64-ch at 4CIF resolution  |
| Multi-division Display Mode                         | 1/4/9/16  |
| Screen Jointing Mode                                | 1*2, 2*1, 2*2, 2*3, 3*2, 2*4, 4*2   |
| Frame Rate  | PAL: 1/16-25fps, NTSC: 1/16-30fps   |
| External Interface (Single DS-6408HDI-T-B Module)   |   |
| Network Interface                                   | 1RJ45 10/100/1000Mbps self-adaptive Ethernet interface  |
| Serial Interface                                    | 1 RS-232 (DB9); 1 RS-485  |
| Two-way Audio In                                    | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)   |
| Two-way Audio Out                                   | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)   |
| Alarm In  | 4   |
| Alarm Out   | 4   |
| General   |   |
| Power Supply  | 549W (factory configuration: single power supply )  |
| Power Consumption                                   | ≤ 350 W   |
| Working Temperature                                 | -10°C ~ 50°   |
| Working Humidity                                    | 10% ~ 90%   |
| Chassis   | 19-inch standard rack-mounted 8U chassis  |
| Dimensions (W × D ×H)                               | 482.6 × 279.3× 443.7 mm   |
| Weight  | ≤ 22 kg   |

# DS-6504/08/16DI

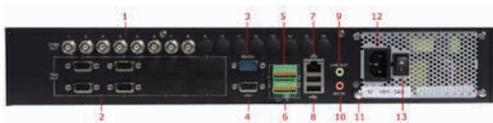
## Video Decoder



### Key features

- H.264 and MPEG4 video stream supported
- Compatible with encoders from multiple manufacturers
- Up to 1280×720P resolution decoding
- Up to 4-ch VGA and 8-ch BNC outputs
- SADP(IP Finder),UDP, RTP and NTP protocols
- 32 users with multi-user level management

### Rear Panel of DS-6508DI



1. Video out
2. VGA interface (for output of decoded video stream)
3. RS-232 serial interface
4. VGA interface  
(Windows XP Embedded operating system of decoder)
5. RS-485 serial interface
6. Alarm in, Alarm out
7. LAN (10 M/100 M/1000 Mbps self-adaptive UTP Ethernet interface)
8. USB interface
9. Line out
10. MIC in
11. GND
12. Power supply
13. Power switch

### Available models

- DS-6504DI
- DS-6508DI
- DS-6516DI

|                           | DS-6504DI   | DS-6508DI   | DS-6516DI |
|---------------------------|---|---|-----------|
| <b>Video/Audio output</b> |   |   |           |
| Video/Audio output        | 2-ch  | 4-ch  |           |
| VGA output                | 720P: 1280×720 /60Hz<br>XGA: 1024×768 /60Hz, 1024×768 /75Hz<br>SVGA: 800×600 /60Hz, 800×600 /75Hz |   |           |
| CVBS output               | 4-ch  | 8-ch  |           |
| <b>Video/Audio output</b> |   |   |           |
| Decoding capability       | 2-ch at 720P;<br>4-ch at 4CIF;<br>8-ch at CIF resolution  | 4-ch at 720P;<br>8-ch at 4CIF;<br>16-ch at CIF resolution |           |
| Multi-division display    | 1 / 4 / 9   | 1 / 4 / 9 / 16  |           |
| <b>External interface</b> |   |   |           |
| Network interface         | 1; 10 / 100 / 1000 Mbps self-adaptive Ethernet interface  |   |           |
| Serial interface          | 1 RS-232 (DB9), 1 RS-485  |   |           |
| VGA interface             | 1 VGA interface for decoder operating system  |   |           |
| Two-way audio input       | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)   |   |           |
| Two-way audio output      | 1-ch, 3.5 mm connector (2.0 Vp-p, 1 kΩ)   |   |           |
| Alarm in                  | 4   |   |           |
| Alarm out                 | 4   |   |           |
| <b>General</b>            |   |   |           |
| Power supply              | 100 - 240 VAC   |   |           |
| Consumption               | ≤ 105W  |   |           |
| Working temperature       | -10 °C ~ +55 °C   |   |           |
| Working humidity          | 10% ~ 90%   |   |           |
| Dimensions (W × D × H)    | 440 × 340 × 70 mm   |   |           |
| Weight                    | ≤ 5.2 kg  |   |           |

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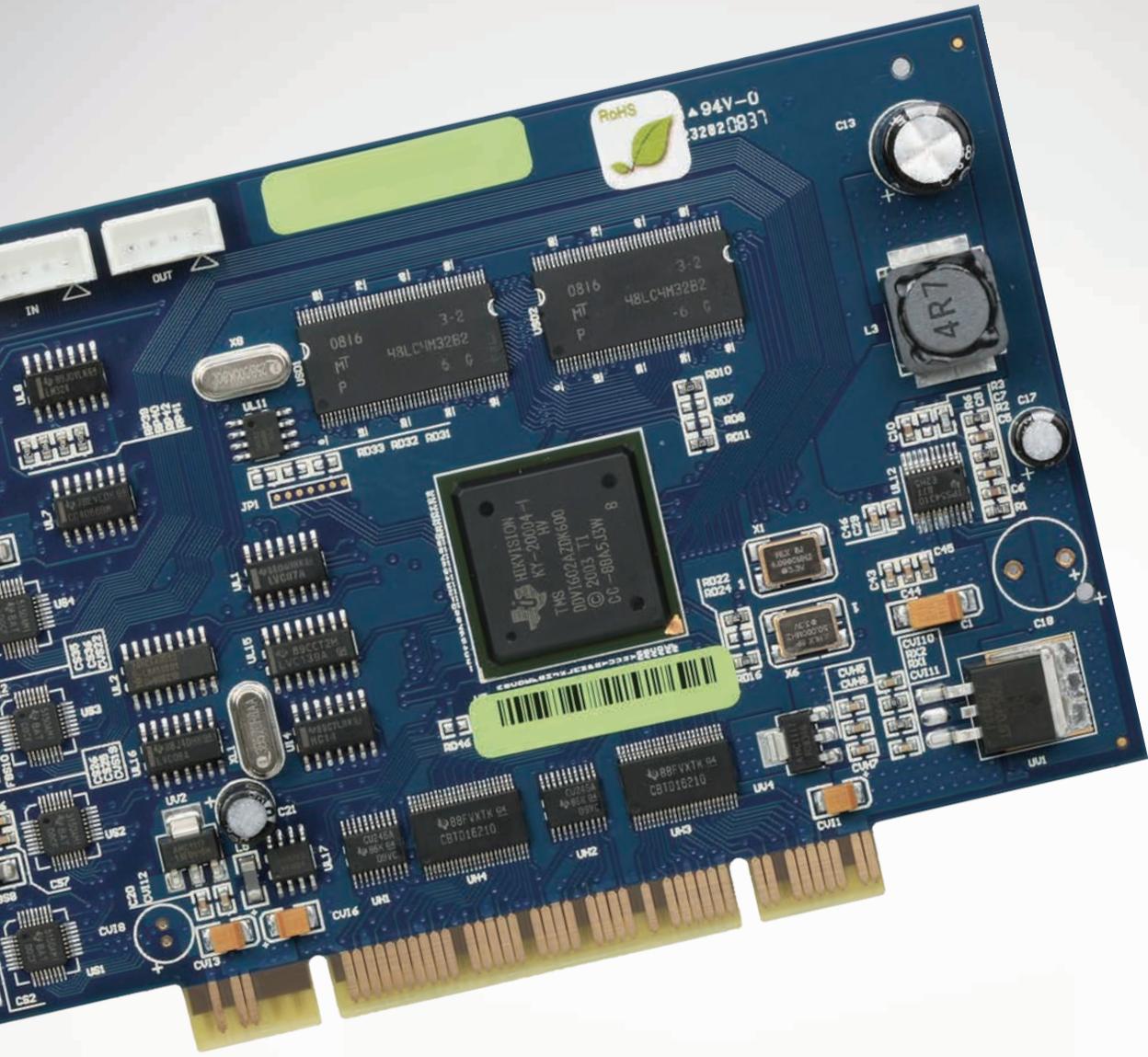
NVR

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VIDEO ENCODER

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# DS-4304HFHI-E

## High Definition Compression Card



### Key Features

- H.264 real-time video compression
- 1920×1080P resolution real-time recording
- HDMI output at up to 1920×1080P resolution
- Dual-stream
- PCI-Ex1 2.0 standard
- OSD, LOGO and mask area settings

|                          | DS-4304HFHI-E                                  |
|--------------------------|--|
| Dimensions               | 199×96mm                                       |
| PCI Standard             | PCI-Ex1 2.0                                    |
| Video Compression        | H.264 (MPEG-4 / part10)                        |
| Video Input              | 4-ch   |
| Video Input Interface    | HD-SDI / BNC (1.0Vp-p, 75Ω)                    |
| Video Standard           | PAL / NTSC adaptive                            |
| Live View Resolution     | Up to 1920×1080P                               |
| Playback Resolution      | Up to 1920×1080P                               |
| Frame Rate               | 1 ~ 25 fps (PAL), 1 ~ 30 fps (NTSC)            |
| Video Recording Bit Rate | 32K ~ 16M                                      |
| Video Output Interface   | 1, HDMI  |
| Output Resolution        | Up to 1920×1080P                               |
| Audio Compression        | OggVorbis                                      |
| Audio Input              | 4-ch   |
| Audio Input Interface    | BNC (2Vp-p, 1kΩ, volume adjusting range: 83DB) |
| Audio Output Interface   | 1, BNC   |
| Sampling Rate            | 16KHz  |
| Audio Recording Bit Rate | 16Kbps   |
| Power Consumption        | <15.5W   |

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# DS-4308/16HCVI-E

## Compression Card



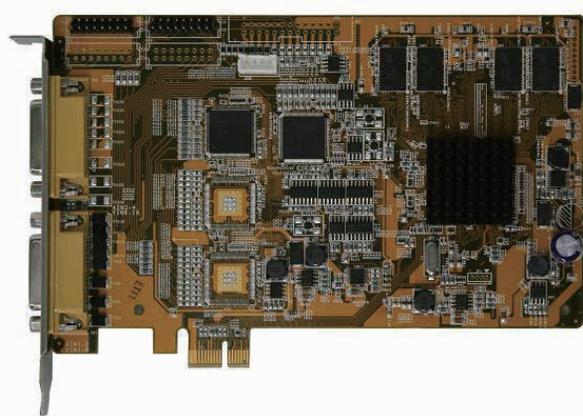
### Key Features

- H.264 real-time video compression
- Up to 4CIF resolution recording
- Dual-stream
- PCI-Ex1 2.0 standard
- OSD, LOGO and MASK overlay

|                          | DS-4308HCVI-E                                  | DS-4316HCVI-E |
|--------------------------|--|---------------|
| Dimensions               | 175 × 102mm                                    |               |
| PCI Standard             | PCI-Ex1 2.0                                    |               |
| Video Compression        | H.264 (MPEG-4 / part10)                        |               |
| Video Input              | 8  | 16            |
| Video Input Interface    | BNC (1.0Vp-p, 75Ω)                             |               |
| Video Standard           | PAL / NTSC adaptive                            |               |
| Live View Resolution     | Up to 4CIF                                     |               |
| Playback Resolution      | 4CIF / 2CIF / CIF / QCIF                       |               |
| Frame Rate               | 1 / 16 ~ 25 fps (PAL), 1 / 16 ~ 30 fps (NTSC)  |               |
| Video Recording Bit Rate | 32K ~ 2M (CIF), 70K ~ 4M (4CIF) (Unit: bps)    |               |
| Video Output Interface   | 1, BNC   |               |
| Audio Compression        | OggVorbis                                      |               |
| Audio Input              | 8, mono  | 16, mono      |
| Audio Input Interface    | BNC (2Vp-p, 1kΩ, volume adjusting range: 83DB) |               |
| Audio Output Interface   | 1, BNC   |               |
| Sampling Rate            | 16KHz  |               |
| Audio Recording Bit Rate | 16Kbps   |               |
| Power Consumption        | < 7.4 w  | < 9.4 w       |

# DS-4308/16HFVI-E

## Compression Card



### Key Features

- H.264 real-time video compression
- 4CIF resolution real-time recording
- Dual-stream
- PCI-Ex1 2.0 standard
- OSD, LOGO and MASK overlay

|                          | DS-4308HFVI-E                                  | DS-4316HFVI-E |
|--------------------------|--|---------------|
| Dimensions               | 175 × 102mm                                    | 213 × 102mm   |
| PCI Standard             | PCI-Ex1 2.0                                    |               |
| Video Compression        | H.264 (MPEG-4 / part10)                        |               |
| Video Input              | 8  | 16            |
| Video Input Interface    | BNC (1.0Vp-p, 75Ω)                             |               |
| Video Standard           | PAL / NTSC adaptive                            |               |
| Live View Resolution     | Up to 4CIF                                     |               |
| Playback Resolution      | 4CIF / 2CIF / CIF / QCIF                       |               |
| Frame Rate               | 1 / 16 ~ 25 fps (PAL), 1 / 16 ~ 30 fps (NTSC)  |               |
| Video Recording Bit Rate | 32K ~ 2M (CIF), 70K ~ 4M (4CIF) (Unit: bps)    |               |
| Video Output Interface   | 1, BNC   |               |
| Audio Compression        | OggVorbis                                      |               |
| Audio Input              | 8, mono  | 16, mono      |
| Audio Input Interface    | BNC (2Vp-p, 1kΩ, volume adjusting range: 83DB) |               |
| Audio Output Interface   | 1, BNC   |               |
| Sampling Rate            | 16KHz  |               |
| Audio Recording Bit Rate | 16Kbps   |               |
| Power Consumption        | < 8.0 w  | < 13.6 w      |

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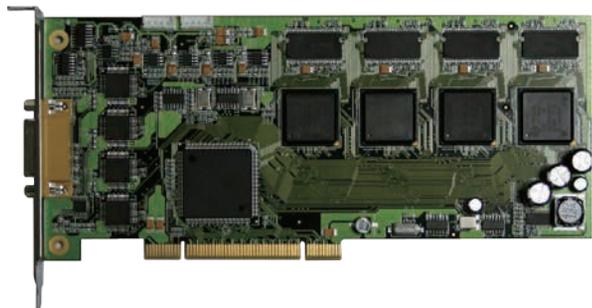
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# DS-4002/04MDI+

## Matrix Compression Card



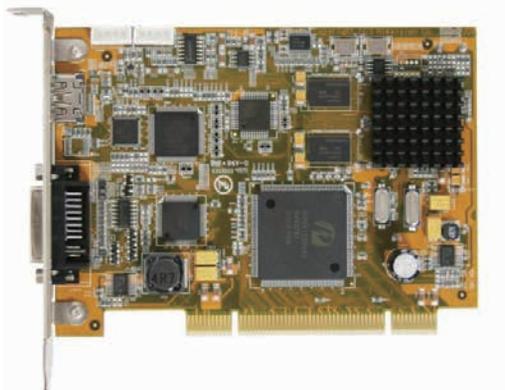
### Key Features

- H.264 video stream supported
- Up to 4CIF resolution decoding
- Up to 4-ch video&audio BNC outputs
- Up to 4x4 multiplex windows display
- Picture-In-Picture display
- PCI 2.2 standard

|                                    | DS-4002MDI+  | DS-4004MDI+   |
|------------------------------------|--|---|
| <b>Video/Audio output</b>          |  |   |
| Support Video compression Standard | H.264  |   |
| Video Output                       | 2-ch   | 4-ch  |
| Video Output Interface             | BNC (1.0 Vp-p, 75 Ω)   |   |
| Video Standard                     | PAL / NTSC   |   |
| Resolution                         | 2-ch 4CIF<br>Or 4-ch DCIF / 2CIF<br>Or 8-ch CIF / QCIF   | 4-ch 4CIF<br>or 8-ch DCIF / 2CIF<br>or 16-ch CIF / QCIF |
| Frame rate                         | PAL: 25 fps; NTSC: 30 fps  |   |
| Support audio compression standard | OggVorbis  |   |
| Audio output                       | 2-ch PCM, mono   | 4-ch, mono  |
| Audio output interface             | BNC (Linear Level, 600 Ω)  |   |
| <b>General</b>                     |  |   |
| PCI standard                       | PCI 2.2  |   |
| Power consumption                  | < 10 w   | < 16 w  |
| Dimensions                         | 168 x 101 mm   | 220 x 89 mm (8.66" x 3.50")                             |
| <b>System requirements</b>         |  |   |
| OS                                 | Windows 2000 / XP / 2003 / Vista / 7 / Linux   |   |
| CPU                                | Intel C4 / P4 / Core2 / Core4 Series   |   |
| Motherboard                        | Based on Intel 845 / 865 / 915 / 925 / 945 / 965 / G31 / G33 / P31 / P35 / P43 / P45 Series. Please refer to the compatible list on the Hikvision website  |   |
| Memory                             | 512MB or above   |   |
| Display adapter                    | ATI Radeon X1650 / X1600 / X1550 / X1300 / X800 / X600 / X550 / HD2400 / HD2600<br>ATI Radeon 7000 / 7200 / 7500 / 8500 / 9000 / 9200 / 9500 / 9600<br>NVIDIA GeForce 8600GT / 8500GT / 8400GS / 7600 / 7300LE / 6600LE / 6200LE<br>Please refer to the compatible list on the Hikvision website |   |

# DS-4101HDI

## High Definition Compression Card



### Key Features

- H.264 and MPEG4 video stream supported
- Up to 1920×1080P resolution decoding
- HDMI, DVI, YPbPr and CVBS output at up to 1920×1080P resolution
- PCI 2.2 standard

| DS-4101HDI                        |   |
|-----------------------------------|---|
| Video Parameters                  |   |
| Supported Video Encoding Standard | H.264 / MPEG4   |
| Video Output                      | 1-ch CVBS Output, BNC interface (1.0Vp-p, 75Ω)<br>1-ch HDMI Output<br>1-ch DVI / VGA Multiplexing Output<br>1-ch YPbPr Output |
| Video Standar                     | PAL / NTSC  |
| Resolution                        | 1-ch 1080P / 1080I / UXGA / XVGA, or<br>2-ch 720P, or<br>3-ch SVGA, or<br>4-ch 4CIF / VGA                                     |
| Frame Rate (FPS)                  | 25(PAL), 30(NTSC)   |
| Audio Parameters                  |   |
| Supported Audio Encoding Standard | OggVorbis   |
| Audio Output                      | 1-ch BNC (Linear level, 600Ω)   |
| General                           |   |
| PCI Standard                      | PCI2.2  |
| Dimension                         | 133×102mm   |
| Power Consumption                 | <9.5w   |

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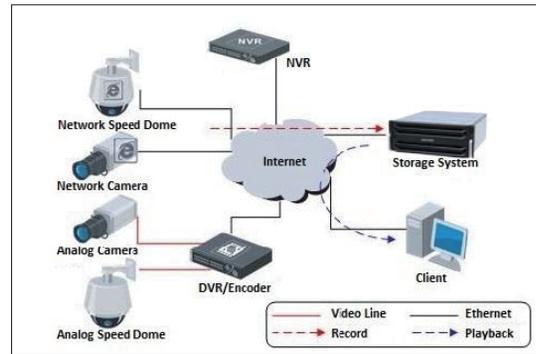
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# DS-A81016S

## Network Storage Device



### Key features

- Standard stream media protocol such as RTSP, ONVIF, PISIA Support;
- Support N+1 hot spare, Automatic Network Replenishment (ANR)
- Support RAID 0, 1, 3, 5, 6, 10, 50, VRAID, JBOD, hot spare
- Up to 16 SATA hard disks (hot swap) support

### Rear Panel of DS-A81016S



- 1 Power Supply
- 2 Power Switch
- 3 Data Port 2
- 4 Data Port 1
- 5 USB Interface
- 6 Management Port
- 7 VGA Output
- 8 USB Interface
- 9 Expansion Port
- 10 Expansion Port Indicator
- 11 Audio Out
- 12 FN Device Positioning Indicator
- 13 FN Device Positioning Button
- 14 COM1: Hyper Terminal
- 15 COM2: Mobile Phone Alarm/UPS

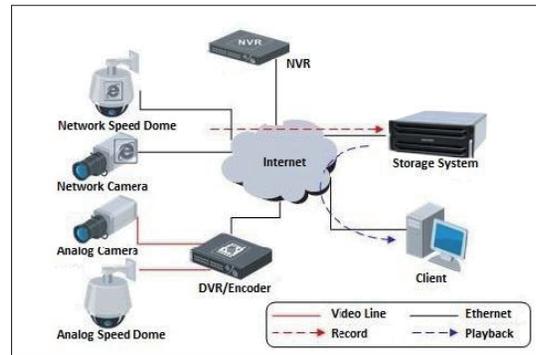
### Available models

DS-A81016S

| DS-A81016S                          |   |
|-------------------------------------|---|
| <b>Controller</b>                   |   |
| Processor                           | 64-bit multi-core processor   |
| High-speed buffer                   | 4GB (expandable to 8G)  |
| <b>Video/Audio input and output</b> |   |
| Record + Playback                   | IP SAN: 180-ch(2Mbps) CVR: 320-ch(2Mbps)  |
| <b>General</b>                      |   |
| Operating system                    | Windows, Linux, Solaris, HP-UX, AIX, MacOS  |
| HDD slot                            | 16  |
| HDD interface                       | SATA / 1TB, 2TB, 3TB, 4TB   |
| Hot-swap disk                       | Supported   |
| RAID level                          | RAID 0, 1, 3, 5, 6, 10, 50, JBOD, hot spare   |
| <b>Storage management</b>           |   |
| Disk management                     | S.M.A.R.T. ((Self-Monitoring, Analysis and Reporting Technology)  |
| LUN management                      | NAS Volume, iSCSI Volume, Record Volume   |
| Data protection                     | WORM tamper-proof, Real-time backup of system information, LUN clone                                    |
| <b>Record management</b>            |   |
| Recording type                      | Continuous/ Manual / Main and Sub Stream / Motion / Sensor, etc.  |
| Recording backup                    | Local backup; Remote backup   |
| Recording protection                | Lock key video file for protection, N+1 hot spare system, ANR, video loss alarm                         |
| Search mode                         | By time / type  |
| Download mode                       | Quick download, batch download, segment download, merging download                                      |
| <b>Device management</b>            |   |
| Management method                   | Web-based GUI, CLI serial port, integrated management of multiple units                                 |
| Alarm type                          | Sound, Flash LED, Email, SMS, Warning on device management page   |
| Log download                        | Auto-down load by USB flash drive, Remote backup via web browsing                                       |
| <b>Network</b>                      |   |
| Protocol                            | RTSP / ONVIF / PSIA / iSCSI / NFS / CIFS / FTP / HTTP / AFP   |
| <b>External port</b>                |   |
| Data port                           | 2 (can be expanded to 6), 10M/100M/1000M self-adaptive Ethernet interface                               |
| Management port                     | 1, 10M/100M/1000M self-adaptive Ethernet interface  |
| SAS expansion port                  | 1 (6Gbps)   |
| VGA output                          | 1   |
| COM interface                       | 2 (1 for hyper terminal and 1 for mobile phone alarm/UPS)   |
| USB interface                       | 2   |
| <b>Others</b>                       |   |
| Power supply                        | Redundant (1+1); single power available   |
| Power consumption                   | Max.460W (with hard disk, redundant power); Max.400W(with hard disk, single power)                      |
| Temperature                         | Operating: 5°C-40°C; Storage: -20°C-70°C  |
| Humidity                            | Operating: 20%-80% RH( non-freezing, non-condensing); Storage: 5%-90% RH( non-freezing, non-condensing) |
| Chassis                             | Standard 19-inch rack-mounted 3U chassis  |
| Dimensions (W×H×D)                  | 440×132×480mm   |
| Weight                              | Approx.20Kg (without hard disk, redundant power); Approx.18.5Kg (without hard disk, single power)       |

# DS-A82024D

## Stable & Reliable Storage Device



### Key features

- High-performance & Easy-extensible Hardware Platform
- Highly Reliable System Design, double controller, automatic service takeover when failure occurs
- Disk Detection, Repair and RAID Optimization
- Low Power Design
- Massive Storage Space, 4U chassis with 24 HDs and cascade extension support

### Available models

DS-A82024D

| DS-A82024D                        |  |
|-----------------------------------|--|
| Video input & output              |  |
| Record & Playback                 | IPSAN: 256-ch (2Mbps) CVR:448-ch (2Mbps)   |
| Controller                        |  |
| Processor                         | Double Controller (64 BIT Multi-core Processor)  |
| Memory                            | 4GB per Controller (Can be extended to 8G)   |
| Storage                           |  |
| Disk Amount                       | 24, It Supports at most 96 Disks   |
| Disk Interface                    | SAS/1TB/2TB/3TB/4TB/SSD is optional  |
| Hot Plug Disk                     | Supports   |
| RAID Level                        | RAID0/1/3/5/6/10/50/JBOD/Hot-Spare   |
| Memory Management                 |  |
| Disk Management                   | Disk Detection Alert & Repair  |
| Logical Volume Management         | NAS Volume, iSCSI Volume, Record Volume  |
| Data Protection                   | WORM Tamer-proofing, System Information Real-time Backup, Volume Clone                               |
| Device Management                 |  |
| Management Mode                   | GUI based on Web, Serial Port CLI, Supports multidevice centralized management.                      |
| Alarm Mode                        | Voice, Light, email, SMS, Page   |
| Log Download                      | U Disk Automatic Download, Login Webpage to Save Locally   |
| Network Management                |  |
| Network Protocol                  | iSCSI/NFS/CIFS/FTP/HTTP/AFP/FCP  |
| External Interface                |  |
| Data Interface                    | 4*GE Port per Controller, Can Be Extended with 4*GE or 2*10GE or Extend 4*8G FC Interface more       |
| Management Interface              | 1*GE Port per Controller   |
| SAS Extension Interface           | Supported  |
| COM Interface                     | UPS 2 USB Interfaces per Controller, 1 for HyperTerminal, 1 for Circumscribed Mobile Alarm           |
| USB Interface                     | 2 USB Interfaces per Controller  |
| Others                            |  |
| Power Interface                   | Redundant Power Source (1+1)   |
| Consumption (with HDD or DVD-R/W) | Working Consumption: ≤ 380W<br>Rating Power Consumption: ≤ 1050W                                     |
| Environment Temperature           | Working:5°C~40 °C Storing: -20 °C~70°C   |
| Environment Humidity              | Working: 20%~80%RH (No Freezing, No Condensation)<br>Storing:5%~90%RH (No Freezing, No Condensation) |
| Chassis                           | 19 Inch 4U Standard Chassis  |
| Size                              | 447mm (Width) × 172mm (Height) × 550mm (Depth)   |
| Weight (without HDD or DVD-R/W)   | ≤ 32Kg   |

# PTZ Dome Bracket

| Mini PTZ                 |                          |   |   |
|--------------------------|--------------------------|---|---|
| DS-2DE2103<br>DS-2DE2202 | DS-2DE2103<br>DS-2DE2202 |  |  |
| Model                    |                          | DS-1294ZJ   | DS-1280ZJ-PT3   |
| Features                 |                          | Wall mount  | Junction box  |
| Descriptions             |                          | Hik white<br>Toughened Plastic<br>230×80×130mm                                    | Hik white<br>Toughened Plastic<br>40×120mm  |
| Indoor                   |                          |   |   |

| 4 inch PTZ Dome                               |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| DS-2AE41XX/45XX<br>DS-2DE41XX/45XX            |  |  |  |  |  |  |
| Model   | DS-1661ZJ   | DS-1662ZJ   | DS-1663ZJ   | DS-1618ZJ   | DS-1660ZJ   |   |
| Features                                      | Pendant mount   | Pendant mount   | Ceiling mount   | Wall mount(short arm)   | Parapet wall mount  |   |
| Descriptions                                  | Hik white<br>Aluminum alloy<br>Φ116.5×200mm                                       | Hik white<br>Aluminum alloy<br>Φ116.5×500mm                                       | Hik white<br>Aluminum alloy<br>Φ116.5×57mm  | Hik white<br>Aluminum alloy<br>110×145×189mm                                      | Hik white<br>Aluminum alloy<br>180×950×800mm  |   |
| Outdoor(only available for outdoor PTZ model) |   |   |   |   |   |   |

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| DS-1602ZJ   | DS-1602ZJ-pole  | DS-1602ZJ-corner  | DS-1602ZJ-box   |
| Wall mount(long arm)  | Vertical pole mount   | Corner mount  | Wall mount with junction box  |
| Hik white<br>Aluminum alloy<br>97×182×305mm   | Hik white<br>Aluminum alloy<br>117×194×310mm  | Hik white<br>Aluminum alloy<br>176.8×194×419.5mm                                    | Hik white<br>Aluminum alloy<br>396.5×209×310mm  |
| Outdoor(only available for outdoor PTZ model)                                       |   |   |   |

|  |   |   |   |   |   |
|--|---|---|---|---|---|
| DS-2DE/AE5xxx, DS-2DE/AE7xxx<br>DS-2DF8xxx, DS-2DF6xxx<br>DS-2DF/AF7xxx, DS-2DF/AF5xxx |  |  |  |  |  |
| Model  | DS-1661ZJ   | DS-1662ZJ   | DS-1663ZJ   | DS-1660ZJ   |   |
| Features   | Pendant mount   | Pendant mount   | Ceiling mount   | Parapet wall mount  |   |
| Descriptions   | Hik white<br>Aluminum alloy<br>Φ116.5×200mm   | Hik white<br>Aluminum alloy<br>Φ116.5×500mm   | Hik white<br>Aluminum alloy<br>Φ116.5×57mm  | Hik white<br>Aluminum alloy<br>180×950×800mm  |   |
| Outdoor(only available for outdoor PTZ model)  |   |   |   |   |   |

# PTZ Dome Bracket

|   |   |   |   |   |
|---|---|---|---|---|
|  |  |  |  |  |
| DS-1602ZJ   | DS-1602ZJ-pole  | DS-1602ZJ-corner  | DS-1602ZJ-box   | DS-1619ZJ   |
| Wall mount  | Vertical pole mount   | Corner mount  | Wall mount with junction box  | Swan neck bracket   |
| Hik white<br>Aluminum alloy<br>97×182×305mm                                       | Hik white<br>Aluminum alloy<br>117×194×310mm                                      | Hik white<br>Aluminum alloy<br>176.8×194×419.5mm                                  | Hik white<br>Aluminum alloy<br>396.5×209×310mm                                      | Hik white<br>Aluminum alloy<br>455.2×130.4×841.5mm                                  |
| Outdoor(only available for outdoor PTZ model)                                     |   |   |   |   |

| PTZ   |   |   |   |
|---|---|---|---|
| DS-2DF5220-D4<br>DS-2DF5220S-DE4/W  |   |   |   |
|  |  |  |  |
| Model   | DS-1691ZJ   | DS-1692ZJ   | DS-1695ZJ   |
| Features  | Pendant mount   | Wall mount  | Integrated wall mount   |
| Descriptions  | Hik white<br>Aluminum alloy<br>84×124×335mm                                       | Hik white<br>Aluminum alloy<br>84×124×335mm                                       | Hik white<br>Aluminum alloy + Plastic<br>157×86×246mm                             |
| Indoor  |   |   |   |

# Bracket & Housing

| Box Camera  |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| DS-2CD40xx series   |   |  |  |  |  |  |
|  |   |   |   |   |   |   |
| Model   | DS-1203ZJ                                 | DS-1292ZJ   | DS-1269ZJ   | DS-1275ZJ   | DS-1293ZJ   |   |
| Features  | Pendant Mount                             | Wall mount  | Pendant Mount   | Vertical Pole Mount   | Wall mount  |   |
| Descriptions  | 70.4x84x200mm<br>White<br>Aluminium alloy | White<br>Aluminum alloy<br>70x97.1x181.8mm  | White<br>Aluminum alloy<br>493x246x88mm   | 117x194x143mm<br>White<br>Aluminum alloy<br>work with DS-1213ZJ                   | White<br>Aluminum alloy<br>88x116.6x297.3mm   |   |

|   |
|---|
|  |
| DS-1214ZJ   |
| Horizontal pole mount   |
| White<br>Aluminum alloy<br>117x226x194mm  |

| Indoor Dome   |   |   |   |   |   |   |
|---|---|---|---|---|---|---|
| DS-2CD41xx series   |   |  |  |  |  |  |
|  |   |   |   |   |   |   |
| Model   | DS-1273ZJ-130                             | DS-1273ZJ-130B  | DS-1271ZJ-130   | DS-1227ZJ   | DS-1275ZJ   |   |
| Features  | Wall mount                                | Wall mount  | Pendant Mount   | In-ceiling Mount  | Pole Mount  |   |
| Descriptions  | Φ130x182x120mm<br>White<br>Aluminum alloy | Φ130x182x120mm<br>White<br>Aluminum alloy<br>with junction box                      | Φ130x545mm<br>White<br>Aluminum alloy   | Φ210x90mm<br>White<br>Aluminum alloy  | 117x194x143mm<br>White<br>Aluminum alloy<br>work with DS-1273ZJ-130                   |   |

|   |   |   |
|---|---|---|
|  |  |  |
| DS-1276ZJ   | DS-1280ZJ-DM21  | DS-1281ZJ-DM23  |
| Corner mount  | Junction box  | Inclined ceiling mount  |
| 158x173mm<br>White<br>Aluminum alloy<br>work with DS-1273ZJ-130                     | White<br>Aluminum alloy<br>Φ137mm   | White<br>Aluminum alloy<br>Φ136x48mm  |

# Bracket & Housing

| IR Bullet   |   |
|---|---|
| DS-2CD42xx series   |   |
|  |  |
| Model   | DS-1275ZJ   |
| Features  | Pole Mount  |
| Descriptions  | 117×194×143mm<br>White<br>Aluminum alloy  |

| Outdoor Dome  |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CD43xx series   |   |   |   |   |   |
|  |  |  |  |  |  |
| Model   | DS-1268ZJ   | DS-1273ZJ-160   | DS-1273ZJ-160B  | DS-1275ZJ   | DS-1276ZJ   |
| Features  | Pendant mount   | Wall Mount  | Wall Mount  | Pole Mount  | Corner mount  |
| Descriptions  | Φ139×500mm<br>White<br>Aluminum alloy   | Φ160×182×120mm<br>White<br>Aluminum alloy   | Φ160×182×120mm<br>White<br>Aluminum alloy<br>with junction box                    | 117×194×143mm<br>White<br>Aluminum alloy<br>work with DS-1273ZJ-130                 | 158X173mm<br>White<br>Aluminum alloy<br>work with DS-1273ZJ-130                     |

|   |
|---|
|  |
| DS-1250ZJ   |
| Rain-proof Cap  |
| 189.6x264.7x152mm<br>White<br>Plastic   |

| Dome 22   |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CD2512F-I(W)<br>DS-2CD2532F-I(W)  |   |   |   |   |   |
|  |  |  |  |  |  |
| Model   | DS-1272ZJ-120   | DS-1272ZJ-120B  | DS-1271ZJ-120   | DS-1275ZJ   | DS-1276ZJ   |
| Features  | Wall mount  | Wall mount  | Pendant mount   | Vertical pole mount   | Corner mount  |
| Descriptions  | White<br>Aluminum alloy<br>Φ120×120×120mm   | White<br>Aluminum alloy<br>with junction box<br>Φ120×120×120mm                      | White<br>Aluminum alloy<br>Φ120×575mm   | White<br>Match up with wall mount<br>(DS-1272ZJ-120)<br>117×143×194mm                 | White<br>Match up with wall mount<br>(DS-1272ZJ-120)<br>158X173mm                     |

# Bracket & Housing



|                                       |
|---------------------------------------|
| DS-1250ZJ                             |
| Rain-proof Cap                        |
| 189.6x264.7x152mm<br>White<br>Plastic |

| Dome 7                       |                               |                                  |   |                              |  |
|------------------------------|-------------------------------|----------------------------------|---|------------------------------|--|
| DS-2CD7153-E<br>DS-2CD7164-E |                               |                                  |   |                              |  |
|                              |                               |                                  |   |                              |  |
| Model                        | DS-1282ZJ-DM(mini)            | DS-1272ZJ-120                    | DS-1272ZJ-120B  | DS-1271ZJ-120                | DS-1275ZJ  |
| Features                     | In-ceiling mount with gangbox | Wall mount                       | Wall mount  | Pendant mount                | Vertical pole mount                                      |
| Descriptions                 | White<br>Plastic<br>Φ120 mm   | Aluminum alloy<br>Φ120×120×120mm | Aluminum alloy<br>with junction box<br>Φ120×120×120mm | Aluminum alloy<br>Φ120×575mm | Match up with wall mount(DS-1272ZJ-120)<br>117×143×194mm |

|  | Bullet 16                      | Bullet 17                            |                               |                                  |
|--|--------------------------------|--------------------------------------|-------------------------------|----------------------------------|
|  | DS-2CD2212-I5<br>DS-2CD2232-I5 | DS-2CD2612F-I(S)<br>DS-2CD2632F-I(S) |                               |                                  |
|  |                                |                                      |                               |                                  |
| DS-1276ZJ  | Model                          |                                      | DS-1282ZJ-DM(mini)            | DS-1272ZJ-120                    |
| Corner mount   | Features                       |                                      | In-ceiling mount with gangbox | Wall mount                       |
| Match up with wall mount(DS-1272ZJ-120)<br>158X173mm | Descriptions                   |                                      | White<br>Plastic<br>Φ120 mm   | Aluminum alloy<br>Φ120×120×120mm |

| Dome 18                      |                               |                                     |                                    |  |                                       |
|------------------------------|-------------------------------|-------------------------------------|------------------------------------|--|---------------------------------------|
| DS-2CD2112-I<br>DS-2CD2132-I |                               |                                     |                                    |  |                                       |
|                              |                               |                                     |                                    |  |                                       |
| Model                        | DS-1259ZJ                     | DS-1258ZJ                           | DS-1272ZJ-110                      | DS-1272ZJ-110B   | DS-1271ZJ-110                         |
| Features                     | Inclined ceiling mount        | Power intake box                    | Wall mount                         | Wall mount   | Pendant mount                         |
| Descriptions                 | White<br>plastic<br>Φ101×39mm | White<br>Aluminum alloy<br>Φ88.5 mm | White<br>plastic<br>Φ110×120×120mm | White<br>Aluminum alloy<br>with junction box<br>Φ110×120×120mm | White<br>Aluminum alloy<br>Φ110×545mm |

# Bracket & Housing

|   |   |   |   |
|---|---|---|---|
|  |  |  |  |
| DS-1275ZJ   | DS-1276ZJ   | DS-1280ZJ-DM18  | DS-1250ZJ   |
| Vertical pole mount   | Corner mount  | Junction box  | Rain-proof Cap  |
| White<br>Match up with wall mount(DS-1272ZJ-110)<br>117×143×194mm                 | White<br>Match up with wall mount(DS-1272ZJ-110)<br>158X173mm                     | White<br>Aluminum alloy<br>Φ101 mm  | 189.6x264.7x152mm<br>White<br>Plastic   |

## Dome Camera 21

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CD2712F-I(S)<br>DS-2CD2732F-I(S)  |    |    |    |    |  |
|  |   |   |   |   |   |
| Model   | DS-1271ZJ-135   | DS-1273ZJ-135   | DS-1273ZJ-135B  | DS-1275ZJ   | DS-1276ZJ   |
| Features  | Pendant mount   | Wall mount  | Wall mount  | Vertical pole mount   | Corner mount  |
| Descriptions  | White<br>Aluminum alloy<br>Φ135×545mm   | White<br>Aluminum alloy<br>Φ135×182×120mm   | White<br>Aluminum alloy<br>with junction box<br>Φ135×182×120mm                      | White<br>Match up with wall mount<br>(DS-1273ZJ-135)<br>117×143×194mm                 | White<br>Match up with wall mount<br>(DS-1273ZJ-135)<br>158X173mm                   |
|   |  |  |  |  |   |
|   | DS-1227ZJ   | DS-1280ZJ-DM21  | DS-1281ZJ-DM23  | DS-1250ZJ   |   |
|   | In-ceiling mount  | Junction Box  | In-ceiling mount  | Rain-proof Cap  |   |
|   | White<br>Aluminum alloy<br>Φ210×90mm  | White<br>Aluminum alloy   | White<br>Aluminum alloy<br>Φ136×48mm  | 189.6x264.7x152mm<br>White<br>Plastic   |   |

## Turret Camera 8

|   |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CD2312-I<br>DS-2CD2332-I  |  |  |  |  |  |
|  |   |   |   |   |   |
| Model   | DS-1273ZJ-130-TRL   | DS-1275ZJ   | DS-1276ZJ   | DS-1280ZJ-M   | DS-1281ZJ-M   |
| Features  | Wall mount  | Vertical pole mount   | Corner mount  | Junction box  | Inclined ceiling mount  |
| Descriptions  | White<br>Aluminum alloy<br>Φ130×182×120mm   | White<br>Match up with wall mount<br>(DS-1273ZJ-130-TRL)<br>117×143×194mm           | White<br>Match up with wall mount(DS-1273ZJ-130-TRL)<br>158X173mm                   | White<br>Aluminum alloy<br>Φ157×185×51.5mm  | White<br>Aluminum alloy<br>Φ157×165.5×60mm  |

# Bracket & Housing

| IR Fisheye                       |  |   |   |   |   |   |
|----------------------------------|--|---|---|---|---|---|
| DS-2CD6362F-I<br>DS-2CD6332FWD-I |  |  |  |  |  |  |
| Model                            |  | DS-1280ZJ-DM25  | DS-1281ZJ-DM25  | DS-1273ZJ-DM25  | DS-1271ZJ-DM25  | GP-FE   |
| Features                         |  | Junction box  | Inclined ceiling mount  | Wall mount  | Pendant mount   | Gang box for junction box (special for US market)                                   |
| Descriptions                     |  | White<br>Aluminum alloy<br>190×165×40mm   | White<br>Aluminum alloy<br>270×165×45mm   | White<br>Aluminum alloy<br>190×165×183mm  | White<br>Aluminum alloy<br>560×165×165mm  | White<br>Steel<br>166×155×4.5mm   |

| Bullet 21           |  |   |   |
|---------------------|--|---|---|
| DS-2CD2TXX-13/15/18 |  |  |  |
| Model               |  | DS-1275ZJ   | DS-1280ZJ-S   |
| Features            |  | Pole mount  | Junction box  |
| Descriptions        |  | White<br>Steel<br>117×143×194mm   | White<br>Aluminum alloy<br>Φ137x51.5mm  |

| Dome 26                  |  |   |   |   |   |   |   |
|--------------------------|--|---|---|---|---|---|---|
| DS-2CD45XXF(WD)-IZ(H)(S) |  |  |  |  |  |  |  |
| Model                    |  | DS-1280ZJ-DM26  | DS-1281ZJ-DM26  | DS-1273ZJ-DM26  | DS-1273ZJ-DM26-B  | DS-1271ZJ-DM26  |   |
| Features                 |  | Junction box  | Inclined ceiling mount  | Wall mount  | Wall mount with junction box  | Pendant mount   |   |
| Descriptions             |  | White<br>Alluminum alloy<br>165×65mm  | White<br>Alluminum alloy<br>165×75mm  | White<br>Alluminum alloy<br>255×225.7×185mm   | White<br>Alluminum alloy<br>310×260×185mm   | White<br>Alluminum alloy<br>676×185×185mm   |   |
|                          |  |  |  |   |   |   |   |
|                          |  | GP-FE1  | DS-1250ZJ   |   |   |   |   |
|                          |  | Gang box for junction box (special for US market)                                   | Rain-proof Cap  |   |   |   |   |
|                          |  | White<br>Steel<br>Φ195mm  | 189.6×264.7×152mm<br>White<br>Plastic   |   |   |   |   |

# Analog Camera Bracket

| Outdoor Bullet |   |   | Covert Camera   |  |   |   |
|----------------|---|---|---|--|---|---|
| DS-2CD40xx-IRA |  |  |  | DS-2CD6412FWD-30/31  |        |  |
| Model          | DS-1293ZJ   | DS-1214ZJ   | Model   | DS-1290ZJ-BL   | DS-1291ZJ-BL  |   |
| Features       | Wall mount  | Horizontal pole mount   | Features  | Clamp bracket  | Desktop/Pendant mount   |   |
| Descriptions   | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm                                   | Hik white<br>Steel<br>Match with DS-1293ZJ<br>Aluminum alloy<br>117×226×194mm     | Descriptions  | Black<br>Plastic<br>90×70×22mm<br>Only available for tube unit<br>(-30 or -31 model) | Black<br>Plastic<br>87×73×73mm<br>Standard BOM, with this<br>bracket in -10/30 by default |   |

| Box Camera 10   |   | Box Camera 18  |   |  |   |   |   |
|---|---|--|---|--|---|---|---|
| DS-2CC11X2P(N)-A<br>DS-2CC11X3P/5P/7P8P(N)-A(-C)                                    | DS-2CC12D9T-A   |           |      |                     |  |  |  |
| Model   | DS-1203ZJ   | DS-1203ZJ  | DS-1292ZJ   | DS-1320HZ  | DS-1293ZJ   |   |   |
| Features  | Pendant Mount   | Pendant Mount  | Wall mount  | Housing  | Wall mount  |   |   |
| Descriptions  | Hik white<br>Aluminum alloy<br>70.4×84×200mm  | Hik white<br>Aluminum alloy<br>70.4×84×200mm   | Hik white<br>Aluminum alloy<br>70×97.1×181.8mm  | Hik white<br>ABS plastic<br>Suitable for Indoor,<br>110.9×108.7×300.2mm                              | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm                                   |   |   |
| Note:   |   |  |   | DS-1293ZJ or DS-1203ZJ can be chosen if housing is used.   |   |   |   |
|   |   | Indoor   |   |  | Indoor housing  |   |   |
|  |                              |         |  |                 |   |   |   |
| DS-1203ZJ   | DS-1322HZ-HW  | DS-1322HZ-H  | DS-1322HZ-C   | DS-1322HZ-CW   |   |   |   |
| Pendant Mount   | Housing   | Housing  | Housing   | Housing  |   |   |   |
| Hik white<br>Aluminum alloy<br>70.4×84×200mm  | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, windscreen wiper, heater.<br>AC24V<br>113×143×452mm | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, heater. AC24V<br>113×143×452mm | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, DC12V<br>113×143×452mm    | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, windscreen wiper, AC24V<br>113×143×452mm |   |   |   |
| DS-1293ZJ / DS-1214ZJ / DS-1275ZJ+DS-1293ZJ can be chosen if housing is used.       |   |  |   |  |   |   |   |
|   |   | Outdoor  |   |  |   |   |   |
|  |                              |         |  |  |   |   |   |
| DS-1269ZJ   | DS-1293ZJ   | DS-1214ZJ  | DS-1275ZJ   |  |   |   |   |
| Pendant Mount   | Wall mount  | Horizontal pole mount  | Vertical pole mount   |  |   |   |   |
| Hik white<br>Aluminum alloy<br>493×246×88mm   | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm   | Hik white<br>Steel<br>Aluminum alloy<br>117×226×194mm                                      | Hik white<br>Steel<br>Match up with wall mount<br>(DS-1293ZJ)<br>117×143×194mm        |  |   |   |   |

# Analog Camera Bracket

| Bullet Camera 5  |   |   |   |   |   |   |
|--|---|---|---|---|---|---|
| DS-2CC1X2P(N)-IRA<br>DS-2CC11X2P(N)-IRA<br>DS-2CZ2152P-IRA |   |  |  |  |  |  |
| Model  | DS-1293ZJ                                       | DS-1214ZJ   | DS-1275ZJ   | DS-1269ZJ   |   |   |
| Features   | Wall mount                                      | Horizontal pole mount   | Vertical pole mount   | Pendant Mount   |   |   |
| Descriptions   | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm | Hik white<br>Aluminum alloy<br>117×226×194mm                                      | Hik white<br>Match up with wall mount DS-1293ZJ<br>117×143×194mm                  | Hik white<br>Aluminum alloy<br>493×246×88mm                                       |   |   |
| Note:  |   |   | Match up with DS-1293ZJ   |   |   |   |
| Outdoor  |   |   |   |   |   |   |

| Bullet Camera 8   |   | Bullet Camera 11C   |   | Bullet Camera 20  |   |
|---|---|---|---|---|---|
| DS-2CC11xxP(N)-VFIR series  |   | DS-2CE15A2P/C2P/F5P(N)-VFIR3<br>DS-2CE16C5T-(A)VFIR3                              |   | DS-2CC12A7-(A)VFIT3<br>DS-2CE16D5T-(A)VFIT3   |   |
|  |  |  |  |  |  |
| Model   | DS-1275ZJ   | Model   |   | DS-1275ZJ   | DS-1280ZJ-S   |
| Features  | Vertical pole mount   | Features  |   | Vertical pole mount   | Junction box  |
| Descriptions  | Hik white<br>Aluminum alloy<br>117×143×194mm                                      | Descriptions  |   | Hik white<br>Aluminum alloy<br>117×143×194mm  | Hik white<br>Aluminum alloy<br>Φ137×51.5mm  |
| Note:   |   | Note:   |   |   |   |
| Indoor/Outdoor  |   | Indoor/Outdoor  |   | Indoor/Outdoor  |   |

| Bullet Camera 16  |   |   |   |
|---|---|---|---|
| DS-2CE16C5T-IT1/IT3   | DS-2CC12X2P-IT5<br>DS-2CE16X2P/C5T/D5T-IT5  |  |  |
|  |  |   |   |
| Model   |   | DS-1275ZJ   | DS-1260ZJ   |
| Features  |   | Vertical pole mount   | Junction box  |
| Descriptions  |   | Hik white<br>Aluminum alloy<br>117×143×194mm  | Hik white<br>Aluminum alloy<br>Φ88.5 mm   |
| Note:   |   |   |   |
| Indoor/Outdoor  |   |   |   |

| Zoom Camera   |   | Zoom Camera 4                                |  |   |   |   |   |
|---|---|--|--|---|---|---|---|
| DS-2ZCA2304P(N)<br>DS-2ZCA3604P(N)  |   | DS-2DZ21xx series<br>DS-2ZCNXXXX series      |  |  |  |  |  |
|  |  |  |  |   |   |   |   |
| Model   |   | DS-1203ZJ                                    | DS-1292ZJ                                      | DS-1320HZ   | DS-1293ZJ   |   |   |
| Features  |   | Pendant Mount                                | Wall mount                                     | Housing   | Wall mount  |   |   |
| Descriptions  |   | Hik white<br>Aluminum alloy<br>70.4×84×200mm | Hik white<br>Aluminum alloy<br>70×97.1×181.8mm | Hik white<br>ABS plastic<br>Suitable for Indoor,<br>110.9×108.7×300.2mm             | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm                                     |   |   |
| Note:   |   |  |  | DS-1293ZJ or DS-1203ZJ can be chosen if housing is used.                            |   |   |   |
|   |   | Indoor                                       |  | Indoor housing  |   |   |   |

# Analog Camera Bracket

|  |   |   |  |   |
|--|---|---|--|---|
|                     |  |                                |         |  |
| DS-1203ZJ  | DS-1321HZ   | DS-1322HZ-HW  | DS-1322HZ-H  | DS-1322HZ-C   |
| Pendant Mount  | Housing   | Housing   | Housing  | Housing   |
| Hik white<br>Aluminum alloy<br>70.4×84×200mm   | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>113×143×452mm              | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, windscreen wiper, heater.<br>AC24V<br>113×143×452mm | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, heater. AC24V<br>113×143×452mm | Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, DC12V<br>113×143×452mm  |
| DS-1293ZJ / DS-1214ZJ / DS-1275ZJ+DS-1293ZJ can be chosen if housing is used.                        |   |   |  |   |
| Outdoor  |   |   |  |   |
|                     |  |                                |         |  |
| DS-1322HZ-CW   | DS-1269ZJ   | DS-1293ZJ   | DS-1214ZJ  | DS-1275ZJ   |
| Housing  | Pendant Mount   | Wall mount  | Horizontal pole mount  | Vertical pole mount   |
| Hik white<br>Aluminum alloy<br>Suitable for Outdoor<br>fan, windscreen wiper, AC24V<br>113×143×452mm | Hik white<br>Aluminum alloy<br>493×246×88mm                                       | Hik white<br>Aluminum alloy<br>88×116.6×297.3mm   | Hik white<br>Steel<br>Aluminum alloy<br>117×226×194mm                                      | Hik white<br>Steel<br>Match up with wall mount<br>(DS-1293ZJ)<br>117×143×194mm      |

## Dome Camera 11

DS-2CC51xxP(N)-VP series  
DS-2CC51xxP(N)-VPIR series  
DS-2CC51xxP(N)-VPIRH series



|   |   |   |   |   |  |
|---|---|---|---|---|--|
|  |  |  |  |  |  |
| Model   | DS-1271ZJ-140   | DS-1273ZJ-140   | DS-1273ZJ-140B  | DS-1241ZJ   | DS-1240ZJ                                |
| Features  | Pendant Mount   | Wall mount  | Wall mount  | In-ceiling mount  | Inclined ceiling mount                   |
| Descriptions  | Hik white<br>Aluminum alloy<br>Φ140×545mm   | Hik white<br>Aluminum alloy<br>Φ140×182×120mm                                       | Hik white<br>Aluminum alloy<br>with junction box<br>Φ140×182×120mm                    | Hik white<br>Aluminum alloy<br>Φ200×26.8mm  | Hik white<br>Aluminum alloy<br>Φ145×63mm |
| Indoor/Outdoor  |   |   |   |   |  |

|   |   |
|---|---|
|  |  |
| DS-1275ZJ   | DS-1276ZJ   |
| Vertical pole mount   | Corner mount  |
| Hik white<br>Steel<br>Match up with wall mount(DS-1273ZJ-140)<br>117×143×194mm      | Hik white<br>Steel<br>Match up with wall mount(DS-1273ZJ-140)<br>158X173mm          |
| Outdoor   |   |

# Analog Camera Bracket

| Dome Camera 16  |   |   |  |  |   |
|---|---|---|--|--|---|
| DS-2CC51AxP(N)-VF series<br>DS-2CC518xP(N)-VF series<br>DS-2CE55F5P(N)-(A)VFIR<br>DS-2CE56D5T/C5T-(A)VFIR   |   |   |  |  |   |
|       |   |   |  |  |   |
| Model   | DS-1271ZJ-130                             | DS-1273ZJ-130                                 | DS-1273ZJ-130B   | DS-1249ZJ                              | DS-1275ZJ   |
| Features  | Pendant Mount                             | Wall mount                                    | Wall mount   | In-ceiling mount                       | Vertical pole mount   |
| Descriptions  | Hik white<br>Aluminum alloy<br>Φ130×545mm | Hik white<br>Aluminum alloy<br>Φ130×182×120mm | Hik white<br>Aluminum alloy<br>with junction box<br>Φ130×182×120mm | Hik white<br>ABS plastic<br>169×14.3mm | Hik white Steel<br>Match up with wall mount<br>(DS-1273ZJ-130)<br>117×143×194mm |
| Indoor  |   |   |  |  |   |

|   |  |
|---|--|
|  |  |
| DS-1276ZJ   | Corner mount   |
| Hik white<br>Steel  | Match up with wall mount(DS-1273ZJ-140)<br>158X173mm |

| Dome Camera 18  |                                   |  |  |  |   |
|---|-----------------------------------|--|--|--|---|
| DS-2CC51D3S-VPIR<br>DS-2CC52C1S-VPIR<br>DS-2CC52D5S-VPIR  |                                   |  |  |  |   |
|       |                                   |  |  |  |   |
| Model   | DS-1259ZJ                         | DS-1271ZJ-110                              | DS-1272ZJ-110                          | DS-1272ZJ-110B   | DS-1275ZJ   |
| Features  | Inclined ceiling mount            | Pendant mount                              | Wall mount                             | Wall mount   | Vertical pole mount   |
| Descriptions  | Hik white<br>Plastic<br>Φ101×39mm | Hik white<br>Aluminum alloy<br>Φ110×545mm* | Hik white<br>Plastic<br>Φ110×120×120mm | Hik white<br>Aluminum alloy<br>with junction box<br>Φ110×120×120mm | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-110)<br>117×143×194mm |
| Indoor  |                                   |  |  |  |   |

|   |  |   |  |   |            |
|---|--|---|--|---|------------|
|  |  |  |  |  |            |
| DS-1276ZJ   | DS-1280ZJ-DM18                         | DS-1258ZJ   | Corner mount   | Junction box  | Wall mount |
| Hik white<br>Steel  | Hik white<br>Aluminum alloy<br>Φ101 mm | Hik white<br>plastic<br>118×80×182mm  | Match up with wall mount<br>(DS-1272ZJ-110)<br>158X173mm |   |            |
| Outdoor   |  |   |  |   |            |

# Analog Camera Bracket

| Dome Camera 19  |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CS58A1P(N)-IRS<br>DS-2CS54A1P(N)-IRS<br> |  |  |  |  |  |
| Model   | DS-1272ZJ-120   | DS-1272ZJ-120B  | DS-1271ZJ-120   | DS-1275ZJ   | DS-1276ZJ   |
| Features  | Wall mount  | Wall mount  | Pendant mount   | Vertical pole mount   | Corner mount  |
| Descriptions  | Hik white<br>Aluminum alloy<br>Φ120×120×120mm                                     | Hik white<br>Aluminum alloy<br>with junction box<br>Φ120×120×120mm                | Hik white<br>Aluminum alloy<br>Φ120×575mm   | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-120)<br>117×143×194mm     | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-120)<br>158X173mm         |
| Indoor/Outdoor  |   |   |   |   |   |

|   |
|---|
|  |
| DS-1282ZJ-DM (mini)   |
| Gang box  |
| Hik white<br>Plastic<br>Φ120mm  |

| Dome Camera 20  |   |   |   |   |   |
|---|---|---|---|---|---|
| DS-2CC52xxP(N)-VP series<br>DS-2CC52xxP(N)-AVPIR2 series<br> |  |  |  |  |  |
| Model   | DS-1271ZJ-135   | DS-1273ZJ-135   | DS-1273ZJ-135B  | DS-1275ZJ   | DS-1276ZJ   |
| Features  | Pendant Mount   | Wall mount  | Wall mount  | Vertical pole mount   | Corner mount  |
| Descriptions  | Hik white<br>Aluminum alloy<br>Φ135×545mm   | Hik white<br>Aluminum alloy<br>Φ135×182×120mm                                       | Hik white<br>Aluminum alloy<br>with junction box<br>Φ135×182×120mm                  | Hik white Steel<br>Match up with wall mount<br>(DS-1273ZJ-135)<br>117×143×194mm       | Hik white Steel<br>Match up with wall mount<br>(DS-1273ZJ-135)<br>158X173mm           |
| Indoor/Outdoor  |   |   |   |   |   |

|   |   |   |
|---|---|---|
|  |  |  |
| DS-1227ZJ   | DS-1280ZJ-DM20  | DS-1281ZJ-DM23  |
| In-ceiling mount  | Junction box  | In-ceiling mount  |
| Hik white<br>Aluminum alloy<br>Φ210×90mm  | Hik white<br>Aluminum alloy<br>Φ135 mm  | Hik white<br>Aluminum alloy<br>Φ136×48mm  |

# Analog Camera Bracket

| Mini Dome Camera 3                                | Mini Dome Camera 5   |   |   |   |
|---|--|---|---|---|
| DS-2CE5582P/A2P/C2P(N)-IRM<br>DS-2CE56D5T/C2T-IRM | DS-2CC5132P(N)-IRP<br>DS-2CE5512P/82P/C2P(N)-IRP<br>DS-2CE5582P(N)-IR(B)<br>DS-2CE55/C2P/A2P(N)-IR |  |    |    |
|   |  |   |    |  |
| Model   |  | DS-1272ZJ-110-TRS   | DS-1275ZJ   | DS-1276ZJ   |
| Features  |  | Wall mount  | Vertical pole mount   | Corner mount  |
| Descriptions                                      |  | Hik white<br>Aluminum alloy<br>Φ110×120×120mm                                     | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-110-TRS)<br>117×143×194mm | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-110-TRS)<br>158X173mm     |
| Indoor/Outdoor                                    |  |   |   |   |

| Mini Dome Camera 6C          |   |   |  |   |   |
|------------------------------|---|---|--|---|---|
| DS-2CE55A2P/C2P(N)/F5P-VFIR3 |  |    |   |  |  |
|                              |   |   |  |   |  |
| Model                        | DS-1273ZJ-130-TRL   | DS-1275ZJ   | DS-1276ZJ  | DS-1280ZJ-TR6   | GPT-1   |
| Features                     | Wall mount  | Vertical pole mount   | Corner mount   | Junction box  | Gang box for junction box<br>(special for US market)                                |
| Descriptions                 | Hik white<br>plastic<br>Φ130×182×120mm  | Hik white<br>Steel<br>Match up with wall mount (DS-1273ZJ-130-TRL)<br>117×143×194mm | Hik white<br>Steel<br>Match up with wall mount<br>(DS-1273ZJ-130-TRL)<br>158X173mm | Hik white<br>Aluminum alloy<br>Φ130 mm *  | Hik white<br>Steel<br>Φ125x5.5 mm   |
| Indoor/Outdoor               |   |   |  |   |   |

|   |   |
|---|---|
|  |  |
| DS-1280ZJ-M   | DS-1281ZJ-M   |
| Junction box  | Inclined ceiling mount  |
| Hik white<br>Aluminum alloy<br>Φ157×185×51.5mm                                      | Hik white<br>Aluminum alloy<br>Φ157×165.5×60mm                                      |

| Mini Dome Camera 8  | Mini Dome Camera 10   | Mini Dome Camera 11   | Mini Dome Camera 12   | Mini Dome Camera 13   |   |
|---|---|---|---|---|---|
| DS-2CC5282P(N)-IT3<br>DS-2CC52A2P(N)-IT3  | DS-2CE56D5T-VFIT3<br>DS-2CE56C5T-VFIT3  | DS-2CE5582P-IRP   | DS-2CE56D1T-VFIR3   | DS-2CE56D1T-IT1/IT3   |  |
|  |  |  |  |  |   |
| Model   |   |   |   |   | DS-1273ZJ-130-TRL   |
| Features  |   |   |   |   | Wall mount  |
| Descriptions  |   |   |   |   | Hik white<br>Aluminum alloy<br>Φ130×182×120mm   |
|   |   |   |   |   | Indoor/Outdoor  |

# Analog Camera Bracket

|   |   |   |   |
|---|---|---|---|
|    |  |  |  |
| DS-1275ZJ   | DS-1276ZJ   | DS-1280ZJ-M   | DS-1281ZJ-M   |
| Vertical pole mount   | Corner mount  | Junction box  | Inclined ceiling mount  |
| Hik white Steel<br>Match up with wall mount<br>(DS-1273ZJ-130-TRL)<br>117×143×194mm | Hik white Steel<br>Match up with wall mount<br>(DS-1273ZJ-130-TRL)<br>158×173mm   | Hik white<br>Aluminum alloy<br>Φ157×185×51.5mm                                    | Hik white<br>Aluminum alloy<br>Φ157×165.5×60mm                                      |

## Mini Dome Camera 9

DS-2CE5682P/A2P/C2P(N)-IT3  
DS-2CE56D5T/C2T/C5T-IT1/IT3

|   |   |   |   |   |
|---|---|---|---|---|
|  |  |  |  |  |
| Model   | DS-1272ZJ-110   | DS-1275ZJ   | DS-1276ZJ   | DS-1258ZJ   |
| Features  | Wall mount  | Vertical pole mount   | Corner mount  | Wall mount  |
| Descriptions  | Hik white<br>Aluminum alloy<br>Φ110×120×120mm                                     | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-110)<br>117×143×194mm   | Hik white Steel<br>Match up with wall mount<br>(DS-1272ZJ-110)<br>158×173mm       | Hik white<br>plastic<br>118×80×182mm<br>Suitable for indoor                         |
| Indoor/Outdoor  |   |   |   |   |

# Power Supply

|         |   |   |   |
|---------|---|---|---|
| Model   |  |  |  |
| Feature | DSA-12PFG-12 FUK 120100   | DSA-12PFG-12 FUS 120100   | DSA-12PFG-12 FEU 120100   |
|         | DC 12 V / 1.0 A   | DC 12 V / 1.0 A   | DC 12 V / 1.0A  |
|         | UK plug   | US plug   | EU plug   |

| Mega-pixel Auto-Iris Lens |   |   |   |   |   |
|---------------------------|---|---|---|---|---|
| Appearance                |  |  |  |  |  |
| Model                     | TV0550D-MPIR  | TV2712D-MPIR  | TV2810D-MPIR  | HV3816D-8MPIR   | HV3816P-8MPIR   |
|                           | 102200220   | 102200220   | 102200469   | 102200540   | 102200585   |
|                           | Recommend!  | -   | Recommend!  | Recommend!  | -   |
| Description               | 3MP, IR   | 3MP, IR   | 3MP, IR   | 8MP, IR   | 8MP, IR   |
| Focal-length              | 5 ~ 50mm  | 2.7 ~ 12mm  | 2.8 ~ 10mm  | 3.8~16mm  | 3.8~16mm  |
| Aperture                  | F1.7  | F1.2  | F1.4  | F1.5  | F1.5  |
| Mount                     | CS  | CS  | CS  | CS  | CS  |
| Format                    | 1/2.7"  | 1/2.7"  | 1/2.7"  | 1/1.8"  | 1/1.8"  |

| Mega-pixel Auto-Iris Lens |  |  |   |   |   |
|---------------------------|--|--|---|---|---|
| Appearance                |  |  |  |  |  |
| Model                     | HV1140D-8MPIR  | HV1140P-8MPIR  | HV0733D-6MP   | HF3417D-12MPIR  | MV0840D-MP  |
|                           | 102200521  | -  | 102200637   | 102200664   | 102200318   |
|                           | Recommend!   | -  | Recommend!  | Recommend!  | -   |
| Description               | 8MP,IR   | 6MP  | 6MP   | 12MP, IR  | 3MP   |
| Focal-length              | 11-40mm  | 7-33mm   | 7-33mm  | 3.4mm   | 10-40mm   |
| Aperture                  | F1.5   | F1.5   | F0.95   | F1.7  | F2.0  |
| Mount                     | CS   | CS   | CS  | CS  | CS  |
| Format                    | 1/1.8"   | 1/1.8"   | 1/1.8"  | 1/1.8"  | 3/4"  |

|              | Standard Definition Auto-Iris Lens  |   |   | Fixed Iris Lens   |   |
|--------------|---|---|---|---|---|
| Appearance   |  |  |  |  |  |
| Model        | TV0550D-IRA   | TV2713D-IR  | TV0309D-IR  | TF0812-IRA  | TF0612-IRA  |
|              | 102200383   | 102200140   | 102200139   | 102200356   | 102200355   |
|              | -   | -   | Recommend!  | -   | -   |
| Description  | SD, IR  | SD, IR  | SD, IR  | 1.3MP, IR   | 1.3MP, IR   |
| Focal-length | 5 ~ 50mm  | 2.7 ~ 13mm  | 3 ~ 9mm   | 8mm   | 6mm   |
| Aperture     | F1.4  | F1.3  | F1.2  | F1.2  | F1.2  |
| Mount        | CS  | CS  | CS  | CS  | CS  |
| Format       | 1/3"  | 1/3"  | 1/3"  | 1/3"  | 1/3"  |

|              | TF0412-IRA  | Intelligent Traffic Camera Lens   |   |   |   |
|--------------|---|---|---|---|---|
| Appearance   |  |  |  |  |  |
| Model        | TF0412-IRA  | MF0814M-5MP   | MF1214M-5MP   | MF1614M-5MP   | MF2014M-8MP   |
|              | 102200354   | 102200342   | 102200408   | 102200442   | 102200417   |
|              | -   | -   | -   | -   | -   |
| Description  | 1.3MP, IR   | 5MP   | 5MP   | 5MP   | 8MP   |
| Focal-length | 4mm   | 8mm   | 12mm  | 16mm  | 20mm  |
| Aperture     | F1.2  | F1.4  | F1.4  | F1.4  | F1.4  |
| Mount        | CS  | C   | C   | C   | C   |
| Format       | 1/3"  | 3/4"  | 3/4"  | 3/4"  | 1"  |

# Lens

|              | Intelligent Traffic Camera Lens   |   | Motorized Zoom Lens   |  |
|--------------|---|---|---|--|
| Appearance   |  |  |  |  |
| Model        | MF2514M-5MP   | MF3514M-5MP   | D8*7.8HA-YE2  | HD32x10R4D-YE1   |
|              | 102200441   | 102200370   | 102200038   | 102200499  |
|              | -   | -   | -   | -  |
| Description  | 5MP   | 5MP   | 2M  | 2M   |
| Focal-length | 25mm  | 35mm  | 7.8-63mm  | 10-320mm   |
| Aperture     | F1.4  | F1.4  | F1.2  | F2.5   |
| Mount        | C   | C   | CS  | C  |
| Format       | 3/4"  | 1"  | 1/2"  | 1/2"   |







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