

**DON'T  
BE LEFT IN  
THE DARK!**

**DARKFIGHTER**



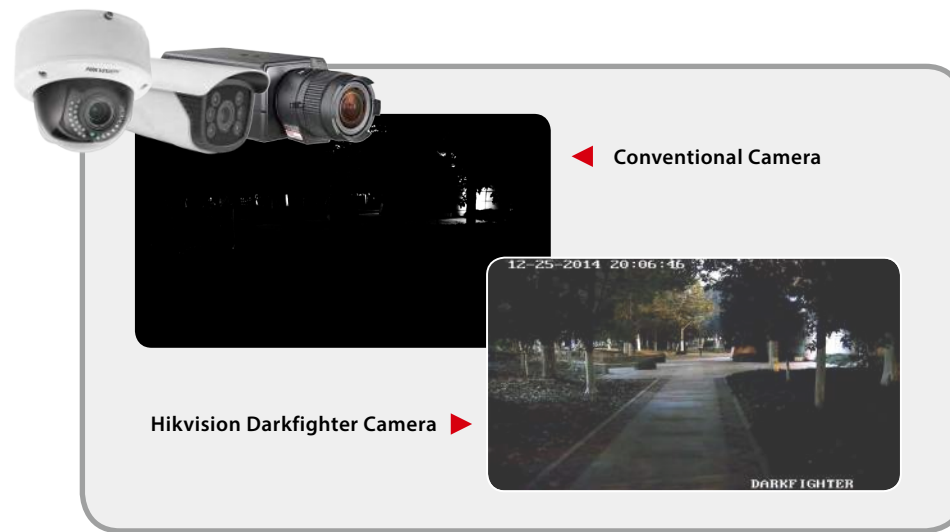
**DARKFIGHTER**  
Network Cameras



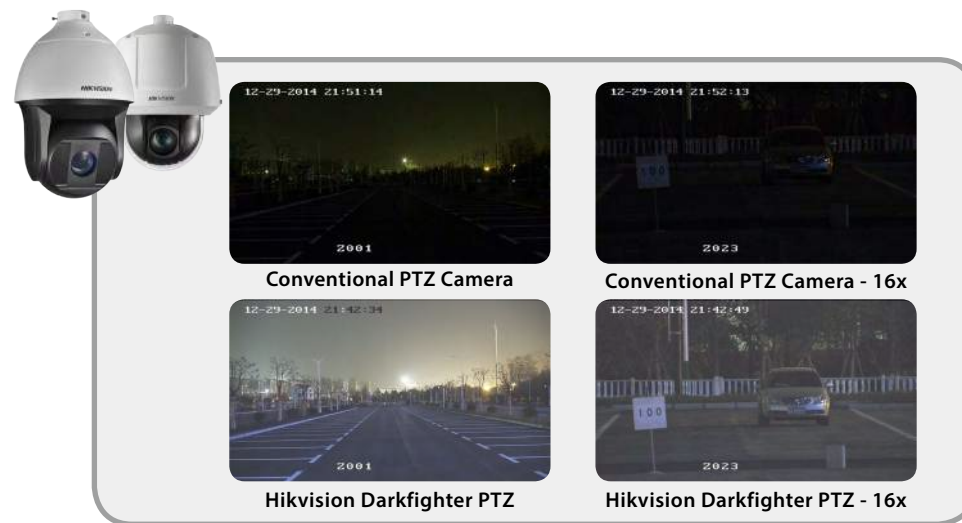
## Key Features

- ▶ Industrial-leading ultra-low light technology, complete product offering and rich smart functions make colored images possible in dim light environment.

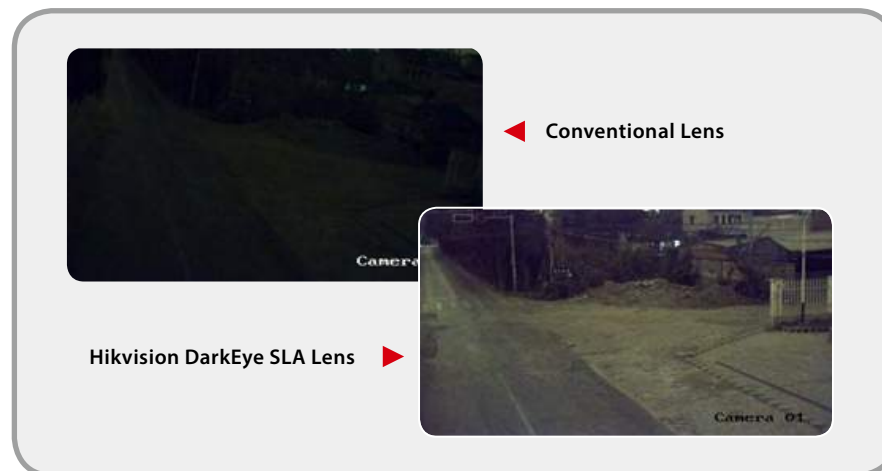
### Darkfighter Network Camera



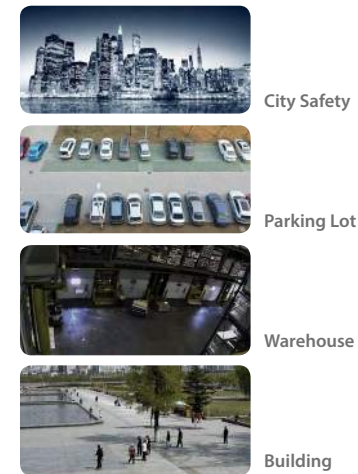
### Darkfighter Network PTZ Camera



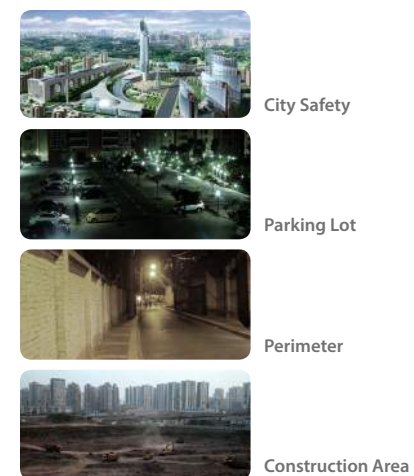
### DARKEYE Maximum performance with DarkEye SLA lens (Super Large Aperture)



### Recommended Scenarios



### Recommended Scenarios



### Description

Featuring F0.95 consistent aperture, the DarkEye Super Large Aperture lens can truly ice on the cake of Hikvision Darkfighter performance.

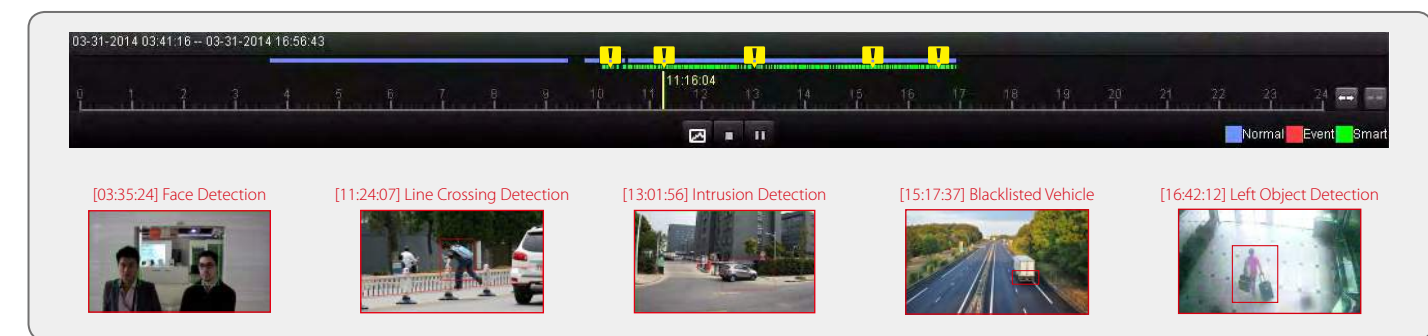


## Unrivalled Performance in Smart IPC



## SMART SOLUTION

From front-end Smart Detection to back-end Smart Playback/backup, Hikvision offers structured content-based Smart Solution that will increase significantly the efficacy of post-event investigation and also make a big save on storage space.



## SMART APPLICATION



Based on centralized video management platform iVMS-5200P, Hikvision Smart Applications include Retail, Parking Management, Banking, Transport, Entrance Control, to help not only on Security but also on business owners' productivity.

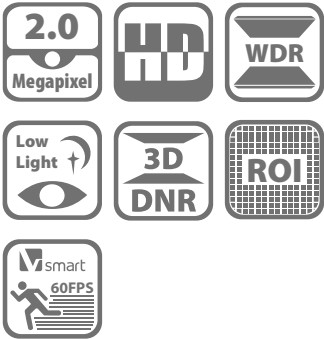


DS-2CD6026FHWD-(A)

2 MP Ultra Low-light Box Network Camera



DARKFIGHTER



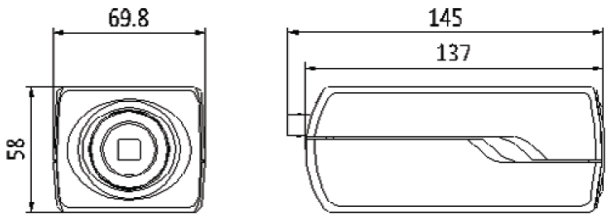
Key Features

- 1/2" 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

Order Models

|                      |                                                                                               |
|----------------------|-----------------------------------------------------------------------------------------------|
| DS-2CD6026FHWD       |                                                                                               |
| DS-2CD6026FHWD-A     |                                                                                               |
| Lens included Model: |                                                                                               |
| HV0733D-6MP          | <b>DARKEYE</b>                                                                                |
|                      | - Up to 6MP resolution<br>- Focal length: 7~33mm<br>- Aperture: F0.95-C<br>- Format: 1/1.8"   |
| HV1140D(P)-8MPIR     | - Focal range 11-40mm<br>- Aperture F1.5-C<br>- IR correction                                 |
|                      | - Up to 8MP resolution<br>- Format 9mm(1/1.8")<br>- D: DC Iris / P: P-Iris                    |
| HV3816D(P)-8MPIR     | - Focal range 3.8-16mm<br>- Aperture F1.5-∞                                                   |
|                      | - IR correction<br>- Up to 8MP resolution<br>- Format 9mm(1/1.8")<br>- D: DC Iris / P: P-Iris |

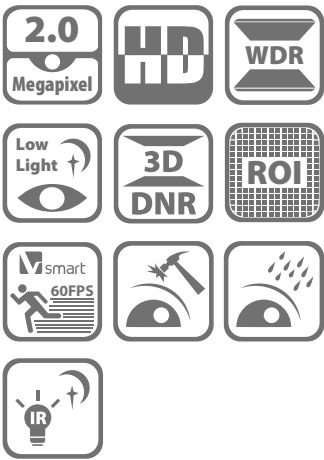
Dimensions



| DS-2CD6026FHWD-(A)      |                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                  |
| Image sensor            | 1/2" Progressive Scan CMOS                                                                                                                                       |
| Min. illumination       | Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 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)                                                                                                                                                    |
| Compression standard    |                                                                                                                                                                  |
| 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)                                                                                                                 |
| Image                   |                                                                                                                                                                  |
| 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)               |
|                         | 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, 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 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                                                                                              |
| Network                 |                                                                                                                                                                  |
| 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                                                                                                                                          |
| Interface               |                                                                                                                                                                  |
| 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                                                                                                                                                              |
| General                 |                                                                                                                                                                  |
| Operating conditions    | -30 ℃ – 60 ℃ (-22 ℉ – 140 ℉), 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                  | 830 g (1.83 lbs)                                                                                                                                                 |

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

2MP Vandal-proof IR Array Bullet Network Camera



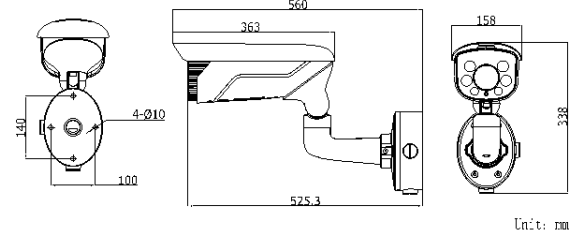
Key Features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 150m IR range
- IP66
- Vandal-proof
- Full Smart Feature-set
- Audio/Alarm IO (-S)
- Built-in heater (-H)

Order Models

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

Dimensions

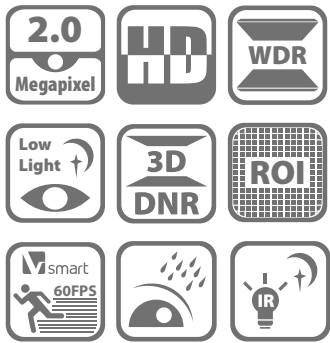


| DS-2CD4626FWD-IZ(H)(S)  |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                                                                  |
| Image sensor            | 1/2.8" Progressive Scan CMOS                                                                                                                                                                                     |
| 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 time            | 1 s to 1/100,000 s                                                                                                                                                                                               |
| Lens                    | 2.8-12mm @ F1.4, 113°~33.8° ; 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      | 120dB                                                                                                                                                                                                            |
| Compression standard    |                                                                                                                                                                                                                  |
| 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)                                                                                                                                              |
| Image                   |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                          |
| EIS                     | Support                                                                                                                                                                                                          |
| Day/Night Switch        | Auto/Schedule/Triggered by Alarm In                                                                                                                                                                              |
| ROI                     | Support                                                                                                                                                                                                          |
| Picture Overlay         | 24bit BMP format overlay, zone optional                                                                                                                                                                          |
| Network                 |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                               |
| General                 |                                                                                                                                                                                                                  |
| Protection Level        | IP66                                                                                                                                                                                                             |
| Impact Protection       | IEC60068-275Eh, 20J; EN50102, up to IK10                                                                                                                                                                         |
| Operating conditions    | -30 ℃ – 60 ℃ (-22 ℉ – 140 ℉), Humidity 95% or less (non-condensing)<br>-H: -40 ℃ – 60 ℃                                                                                                                          |
| Power supply            | 24 V AC ± 10%, PoE (802.3at)                                                                                                                                                                                     |
| IR Distance             | 120m (50m for 2.8-12mm lens)                                                                                                                                                                                     |
| 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-2CD4A26FWD-IZ(H)(S)

2MP IR Array Bullet Network Camera



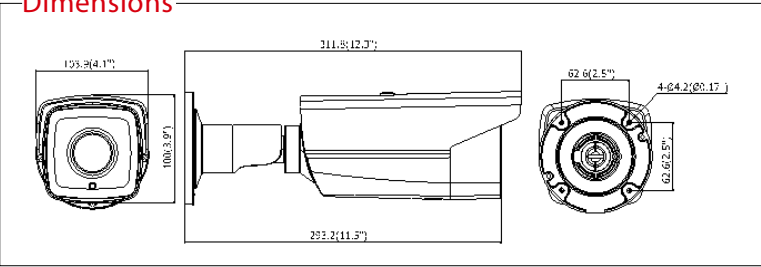
Key Features

- 2MP high resolution
- Full HD1080p video, up to 60fps
- Ultra-low light
- Motorized VF lens with Smart Focus
- 120dB WDR
- Up to 100m IR range
- IP67
- Full Smart Feature-set
- Audio/Alarm IO (-S)
- Built-in heater (-H)

Order Models

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

Dimensions

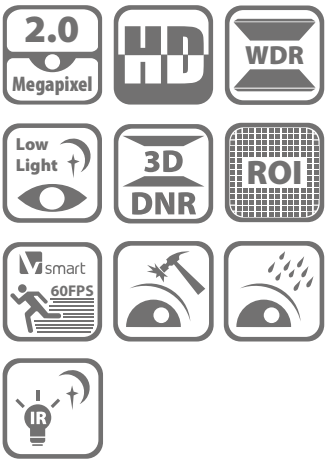


| DS-2CD4A26FWD-IZ(H)(S)  |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                            |
| Compression standard    |                                                                                                                                                                                                                  |
| 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)                                                                                                                                              |
| Image                   |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                  |
| Network                 |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                          |
| General                 |                                                                                                                                                                                                                  |
| 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 (2.8-12mm) /100m (8-32mm)                                                                                                                                                                              |
| 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-2CD4526FWD-IZ(H)

2MP Outdoor Dome Network Camera



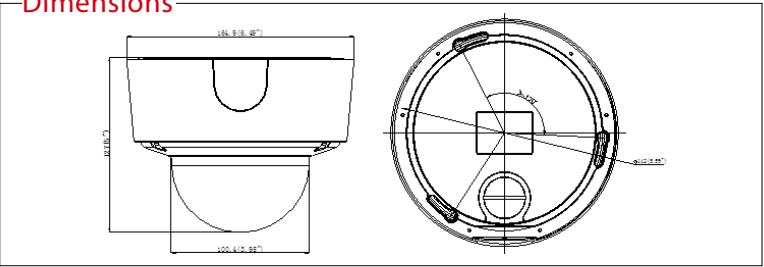
Key Features

- 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)

Order Models

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

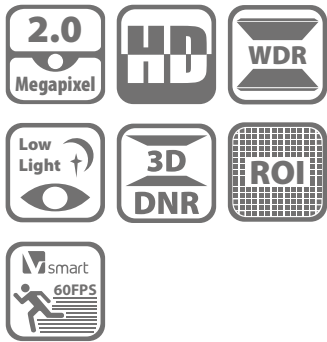
Dimensions



| DS-2CD4526FWD-IZ(H)     |                                                                                                                                                                                                                  |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                                                                  |
| 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              | Ø14                                                                                                                                                                                                              |
| 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                                                                                                                                                                                                            |
| Compression standard    |                                                                                                                                                                                                                  |
| 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)                                                                                                                                              |
| Image                   |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                          |
| Network                 |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                               |
| Interface               |                                                                                                                                                                                                                  |
| 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                                                                                                                                                                                                              |
| General                 |                                                                                                                                                                                                                  |
| 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             | 10-30m (8-32mm lens for 50m)                                                                                                                                                                                     |
| Power Consumption       | Max: 12W<br>-H: 17W                                                                                                                                                                                              |
| Dimensions              | Ø164.9 × 127 mm(Ø6.49" x5")                                                                                                                                                                                      |
| Weight                  | 2100g (4.62 lbs)                                                                                                                                                                                                 |

DS-2CD4026FWD (-A)(P)

2 MP Ultra Low-light Box Network Camera

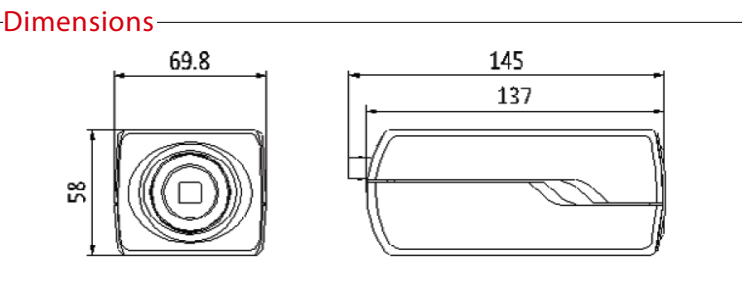


Key Features

- 1/2" 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

Order Models

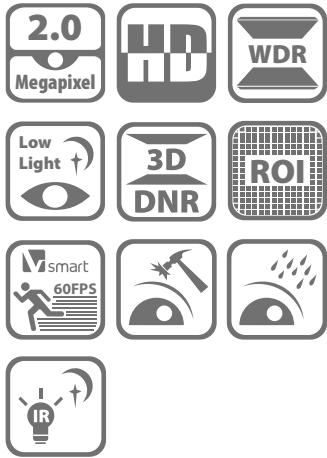
|                      |                                                                                                                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DS-2CD4026FHWD       |                                                                                                                                                                                                                       |
| DS-2CD4026FHWD-A     |                                                                                                                                                                                                                       |
| DS-2CD4026FHWD-AP    |                                                                                                                                                                                                                       |
| Lens included Model: |                                                                                                                                                                                                                       |
| HV0733D-6MP          |                                                                                                                                                                                                                       |
|                      | <ul style="list-style-type: none"><li>- Up to 6MP resolution</li><li>- Focal length: 7~33mm</li><li>- Aperture: F0.95-C</li><li>- Format: 1/1.8"</li></ul>                                                            |
| HV1140D(P)-8MPIR     | <ul style="list-style-type: none"><li>- Focal range 11-40mm</li><li>- Aperture F1.5-C</li><li>- IR correction</li><li>- Up to 8MP resolution</li><li>- Format 9mm(1/1.8")</li><li>- D: DC Iris / P: P-Iris</li></ul>  |
| HV3816D(P)-8MPIR     | <ul style="list-style-type: none"><li>- Focal range 3.8-16mm</li><li>- Aperture F1.5-∞</li><li>- IR correction</li><li>- Up to 8MP resolution</li><li>- Format 9mm(1/1.8")</li><li>- D: DC Iris / P: P-Iris</li></ul> |



| DS-2CD4026FWD (-A)(P)   |                                                                                                                                                                                                                                                                                                         |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                                                                                                                                                         |
| Image sensor            | 1/2" Progressive Scan CMOS                                                                                                                                                                                                                                                                              |
| Min. illumination       | Color: 0.002 Lux @ (F1.2, AGC ON); B/W: 0.0002 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)                                                                                                                                                                                                                                                                                           |
| Compression standard    |                                                                                                                                                                                                                                                                                                         |
| 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)                                                                                                                                                                                                                                                        |
| Image                   |                                                                                                                                                                                                                                                                                                         |
| 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, 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 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                                                                                                                                                                                                                                     |
| Network                 |                                                                                                                                                                                                                                                                                                         |
| 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                                                                                                                                                                                                                                                                                 |
| Interface               |                                                                                                                                                                                                                                                                                                         |
| 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                                                                                                                                                                                                                                                                                                     |
| General                 |                                                                                                                                                                                                                                                                                                         |
| 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                  | 830 g (1.83 lbs)                                                                                                                                                                                                                                                                                        |

DS-2CD4126FWD-IZ

2MP Outdoor Dome Network Camera

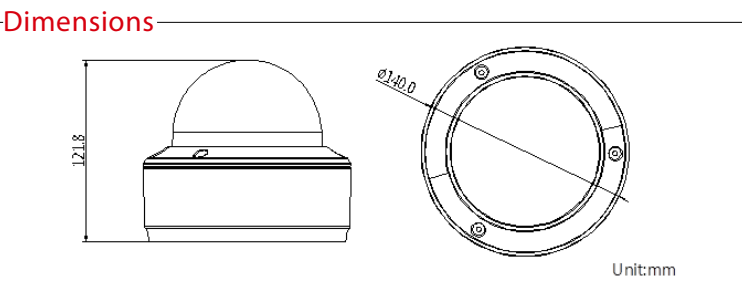


Key Features

- 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
- Vandal-proof
- Audio/Alarm IO
- Full Smart Feature-set

Order Models

DS-2CD4126FWD-IZ



| DS-2CD4126FWD-I(I)(Z)   |                                                                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera                  |                                                                                                                                                                         |
| Image sensor            | 1/2.8" 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              | Ø14                                                                                                                                                                     |
| 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      | 120dB                                                                                                                                                                   |
| Compression standard    |                                                                                                                                                                         |
| 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)                                                                                                     |
| Image                   |                                                                                                                                                                         |
| 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                                                                                                                                                                 |
| 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 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                                                                                                     |
| Network                 |                                                                                                                                                                         |
| 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                                                                                                                                                 |
| Interface               |                                                                                                                                                                         |
| 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                                                                                                                                                                     |
| General                 |                                                                                                                                                                         |
| 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                | -I: Approx. 10 to 30 meters                                                                                                                                             |
| Impact Protection       | IEC60068-275Eh, 50J; EN50102, up to IK10                                                                                                                                |
| Dimensions              | Ø 140 × 121.8 mm (Ø 5.51"× 4.80")                                                                                                                                       |
| Weight                  | 1400 g (3.09 lbs)                                                                                                                                                       |

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



DS-2DF8223I-AEL

2MP 23X Network IR PTZ dome camera



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)
- Defog
- 200m IR distance
- Hi-PoE / 24VAC power supply
- Vandal proof (IK10)

Order Models

DS-2DF8223I-AEL  
24VAC, low temperature, outdoor

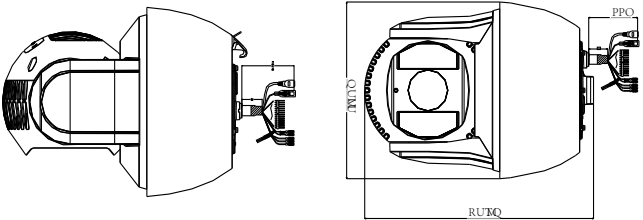
Accessories



Long-arm Wall Mount Bracket  
DS-1602ZJ



Dimensions



| DS-2DF8223I-AEL       |                                                                                                                                                                        |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Camera Module         |                                                                                                                                                                        |
| 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 | 1920x1080                                                                                                                                                              |
| 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                                                                                                                                       |
| 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                | 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                                        |
| Smart features        |                                                                                                                                                                        |
| Smart tracking        | Manual/ Panorama/ Intrusion trigger/ Line crossing trigger/ Region entrance trigger/ Region exiting trigger.<br>Smart tracking when patrol between multiple scenarios. |
| Smart detection       | Face detection, intrusion detection, line crossing detection, audio exception detection, region entrance, region exiting                                               |
| ROI encoding          | Support 24 areas with adjustable levels                                                                                                                                |
| Infrared              |                                                                                                                                                                        |
| IR Distance           | Up to 200m                                                                                                                                                             |
| IR Intensity          | Automatically adjusted, depending on the zoom ratio                                                                                                                    |
| 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                                                                                                                  |

| 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                                                                                                                                                                          |
| 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     | 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 and CGI, 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                                                                                                                                            |

DS-2DF6223-AEL

2MP 23X Network PTZ Dome Camera



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)
- Defog
- Hi-PoE / 24VAC power supply
- Vandal proof(IK10)

Order Models

DS-2DF6223-AEL  
24VAC, low temperature, outdoor

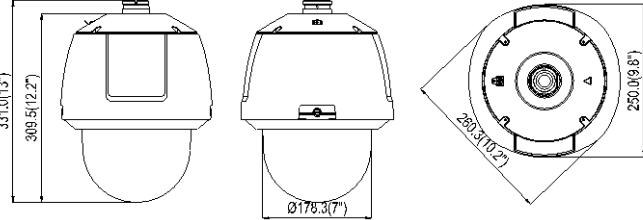
Accessories



Long-arm Wall Mount Bracket  
DS-1602ZJ



Dimensions



| DS-2DF6223-AEL        |                                                                                                                                     |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| Camera                |                                                                                                                                     |
| Image sensor          | 1/1.9"Progressive Scan CMOS                                                                                                         |
| Min. illumination     | F1.5,1/30 sec, 50 IRE, AGC On: Color: 0.02 lux, B/W : 0.002 lux<br>F1.5, 1/1 sec, 50 IRE, AGC On: Color: 0.002 lux, B/W: 0.0002 lux |
| Max. Image Resolution | 1920x1080                                                                                                                           |
| 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                                                                                                    |
| 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                | 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     |
| 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                                                                                             |
| 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                                                                               |

| 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                                                                                                                                                                          |
| 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     | 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 and CGI, 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; Pole Mount: DS-1602ZJ-pole; Power box mount:DS-1602ZJ-box                                                                                                                                            |