

## DS-2CD2145FWD-I(S) 4 MP IR Fixed Dome Network Camera



### Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520@30 fps
- 2.8, 4, 6, 8, 12 mm fixed lens
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- 120dB WDR
- Powered by Darkfighter
- IR range: up to 30 m
- BLC/3D DNR/ROI/HLC
- IP67
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB
- Color: 0.008 lux @(F1.2, AGC ON), 0 lux with IR  
Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR



## Specifications

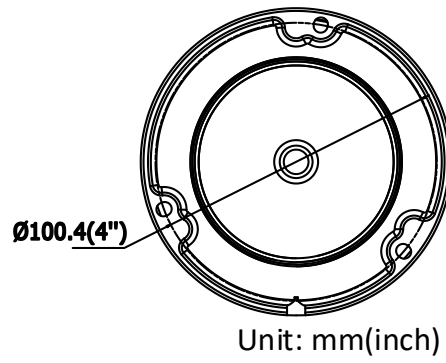
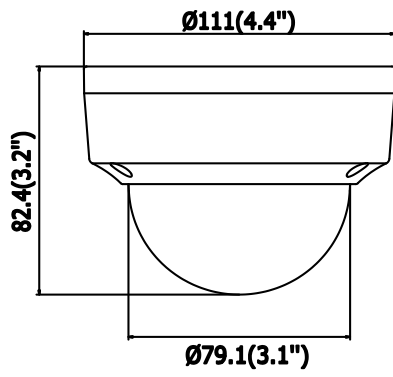
| <b>Camera</b>                |   |
|------------------------------|---|
| Image Sensor                 | 1/2.5" Progressive Scan CMOS  |
| Min. Illumination            | Color: 0.008 lux @(F1.2, AGC ON), 0 lux with IR<br>Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR  |
| Shutter Speed                | 1/3 s to 1/100,000 s  |
| Slow Shutter                 | Yes   |
| Auto-Iris                    | No  |
| Day & Night                  | IR Cut Filter   |
| Digital Noise Reduction      | 3D DNR  |
| WDR                          | 120dB   |
| 3-Axis Adjustment            | Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 355°  |
| <b>Lens</b>                  |   |
| Focal Length                 | 2.8, 4, 6, 8, 12 mm   |
| Aperture                     | F1.6  |
| Focus                        | Fixed   |
| FOV                          | 2.8 mm, horizontal FOV: 109°, vertical FOV: 60°, diagonal FOV: 131°<br>4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105°<br>6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61°<br>8 mm, horizontal FOV: 41°, vertical FOV: 23°, diagonal FOV: 48°<br>12 mm, horizontal FOV: 25°, vertical FOV: 14°, diagonal FOV: 29° |
| Lens Mount                   | M12   |
| <b>IR</b>                    |   |
| IR Range                     | Up to 30 m  |
| Wavelength                   | 850nm   |
| <b>Compression Standard</b>  |   |
| Video Compression            | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264  |
| H.264 Type                   | Main Profile/High Profile   |
| H.264+                       | Main stream supports  |
| H.265 Type                   | Main Profile  |
| H.265+                       | Main stream supports  |
| Video Bit Rate               | 32 Kbps to 16 Mbps  |
| Audio Compression (-S model) | G.711/G.722.1/G.726/MP2L2/PCM   |
| Audio Bit Rate (-S model)    | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)   |
| <b>Smart Feature-set</b>     |   |
| Behavior Analysis            | Line crossing detection, intrusion detection, object removal detection, unattended baggage detection  |
| Exception Detection          | Scene change detection  |
| Face Detection               | Yes   |
| Region of Interest           | Support 1 fixed region for main stream and sub-stream   |
| <b>Image</b>                 |   |
| Max. Resolution              | 2688 × 1520   |
| Main Stream                  | 50Hz: 25 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)<br>60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)  |

|                               |   |
|-------------------------------|---|
| Sub-Stream                    | 50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)  |
| Third Stream                  | 50Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240)  |
| Image Enhancement             | BLC/3D DNR/HLC  |
| Image Settings                | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser                       |
| SVC                           | H.264 and H.265 encoding support  |
| Day/Night Switch              | Day/Night/Auto/Schedule/Triggered by Alarm In (-S)  |
| <b>Network</b>                |   |
| Network Storage               | Support microSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  |
| Alarm Trigger                 | Motion detection, video tampering, network disconnected, IP address conflict, illegal login, HDD full, HDD error                              |
| Protocols                     | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, Bonjour              |
| General Function              | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter                |
| Firmware Version              | V5.5.80   |
| API                           | ONVIF (PROFILE S, PROFILE G), ISAPI   |
| Simultaneous Live View        | Up to 6 channels  |
| User/Host                     | Up to 32 users<br>3 levels: Administrator, Operator and User  |
| Client                        | iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500  |
| Web Browser                   | Plug-in required live view:<br>IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view:<br>Chrome 45.0+, Firefox 52.0+ |
| <b>Interface</b>              |   |
| Audio (-S model)              | 1 input (line in/mic in), 1 output, mono sound, terminal block  |
| Alarm (-S model)              | 1 input, 1 output (max. 12 VDC, 30 mA), terminal block  |
| Video Output                  | No  |
| Communication Interface       | 1 RJ45 10M/100M self-adaptive Ethernet port   |
| On-board storage              | Built-in microSD/SDHC/SDXC slot, up to 128 GB   |
| Reset Button                  | Yes   |
| <b>Audio (-S model)</b>       |   |
| Environment Noise Filtering   | Yes   |
| Audio Sampling Rate           | 8kHz/16kHz/32kHz/44.1kHz/48kHz  |
| <b>General</b>                |   |
| Operating Conditions          | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)   |
| Power Supply                  | 12 VDC ± 25%, Φ 5.5 mm coaxial plug power<br>PoE(802.3af, class 3)  |
| Power Consumption and Current | 12 VDC, 0.5 A, max. 5.5 W<br>PoE (802.3af, 36V to 57V), 0.2 A to 0.1 A, max. 7 W  |
| Protection Level              | IP67, IK10  |
| Material                      | Camera body: metal, bubble: plastic   |
| Dimensions                    | Camera: Φ 111 × 82.4 mm (Φ 4.4" × 3.2")<br>Package: 134 × 134 × 108 mm (5.3" × 5.3" × 4.3")   |
| Weight                        | Camera: 500 g (1.1 lb.)   |

## Available Model

DS-2CD2145FWD-I (2.8/4/6/8/12 mm), DS-2CD2145FWD-IS (2.8/4/6/8/12 mm)

Dimension



## Accessory



Inclined Ceiling Mount

DS-1259ZJ



Wall Mount

DS-1272ZJ-110



Wall Mount + Junction Box

DS-1272ZJ-110B



Pendant Mount

DS-1271ZJ-110



Junction Box

DS-1280ZJ-DM18



Corner Mount

DS-1276ZJ



Vertical Pole Mount

DS-1275ZJ



Rain-proof Cap

DS-1250ZJ



Inclined Ceiling Mount

DS-1259ZJ(Black)



Pendant Mount

DS-1271ZJ-110(Black)



Wall Mount

DS-1272ZJ-110(Black)



Corner Mount

DS-1276ZJ-SUS(Black)

Distributed by



Junction Box

DS-1280ZJ-DM18(Black)



Wall Mount

DS-1258ZJ(Black)



Vertical Pole Mount

DS-1275ZJ-SUS(Black)



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