

## 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

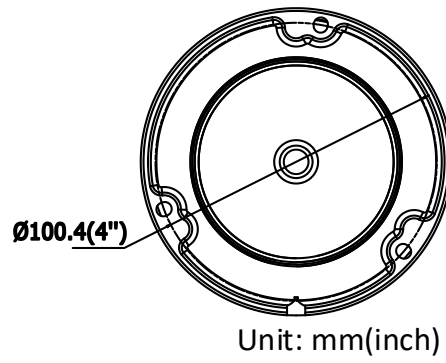
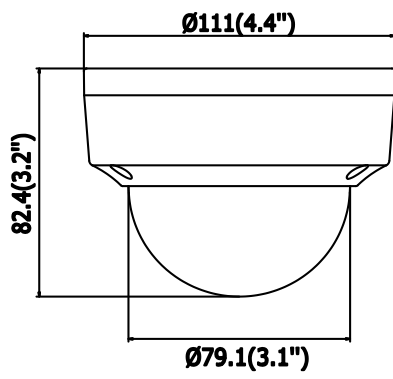
<b>Camera</b>	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.008 lux @(F1.2, AGC ON), 0 lux with IR Color: 0.014 lux @(F1.6, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
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° 4 mm, horizontal FOV: 88°, vertical FOV: 46°, diagonal FOV: 105° 6 mm, horizontal FOV: 53°, vertical FOV: 30°, diagonal FOV: 61° 8 mm, horizontal FOV: 41°, vertical FOV: 23°, diagonal FOV: 48° 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 Sub-stream: H.265/H.264/MJPEG 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) 60Hz: 30 fps (2688 × 1520, 2304 × 1296, 1920 × 1080)

Sub-Stream	50Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288) 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 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500
Web Browser	Plug-in required live view: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: 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 PoE(802.3af, class 3)
Power Consumption and Current	12 VDC, 0.5 A, max. 5.5 W 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") 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



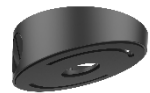
Vertical Pole Mount

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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