

## DS-2CD2H45FWD-IZS

### 4 MP IR Varifocal Network Turret Camera



#### Key Features

- 1/2.5" Progressive Scan CMOS
- 2688 × 1520@30 fps
- 2.8 to 12 mm motorized varifocal lens
- H.265+, H.265, H.264+, H.264
- 4 Behavior analyses
- 120dB WDR
- Powered by Darkfighter
- BLC/3D DNR/ROI/HLC
- IP66, IK10
- IR range: up to 30 m
- Built-in microSD/SDHC/SDXC card slot, up to 128 GB
- Color: 0.008 lux @(F1.2, AGC ON), 0.011 lux @(F1.4, AGC ON), 0 lux with IR



## Specifications

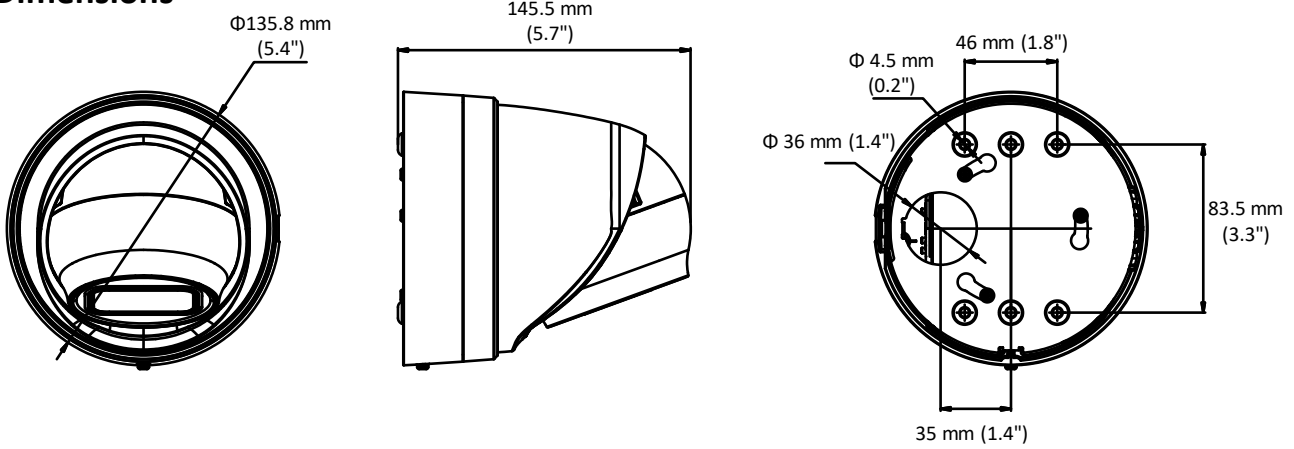
<b>Camera</b>	
Image Sensor	1/2.5" Progressive Scan CMOS
Min. Illumination	Color: 0.008 lux @(F1.2, AGC ON), 0.011 lux @(F1.4, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day & Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
3-Axis Adjustment	Pan: 0° to 355°, tilt: 0° to 75°, rotate: 0° to 360°
<b>Lens</b>	
Focal Length	2.8 to 12 mm
Lens Type	Motorized
Aperture	F1.4
Focus	Auto
FOV	Horizontal field of view: 114° to 32° Vertical field of view: 59° to 18° Diagonal field of view: 141° to 36.5°
Lens Mount	Φ14
<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	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	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
<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	1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound
Alarm	1 input, 1 output (max. 12 VDC, 30 mA)
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</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%, terminal block for DC input PoE (802.3af, class 3)
Power Consumption and Current	12 VDC, 1 A, max. 11 W PoE (802.3af, 36V to 57V), 0.4 A to 0.3 A, max. 12.5 W
Protection Level	IP66, IK10
Material	Metal
Dimensions	Φ 135.8 mm × 145.5 mm (Φ 5.4" × 5.7")
Weight	With Package: approx. 1220 g (2.7 lb.) Camera: approx. 1060 g (2.3 lb.)

## Available Model:

DS-2CD2H45FWD-IZS (2.8 to 12 mm)

**Dimensions**



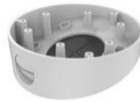
**Accessories**



DS-1473ZJ-135  
Wall Mount



DS-1471ZJ-135  
Pendant Mount



DS-1281ZJ-DM23  
Inclined Ceiling Mount



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



DS-1473ZJ-135B  
Wall Mount  
with Junction Box



DS-1473ZJ-135(Black)  
Wall mount



DS-1471ZJ-135(Black)  
Pendant mount



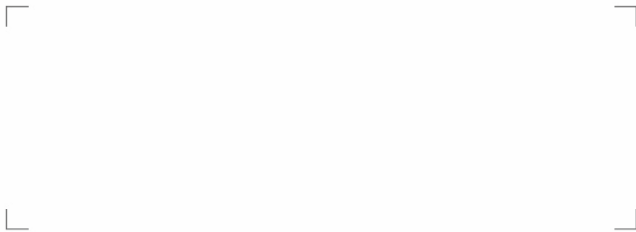
DS-1281ZJ-DM23(Black)  
Inclined ceiling mount



DS-1475ZJ-SUS(Black)  
Vertical pole mount



Distributed by



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