

## DS-2CD6D24FWD-IZHS(B) 4-Directional Multisensor Network Camera



- 4 adjustable lenses in one camera cover up to a 360° field of view, ensuring zero-blind zone monitoring
- The monitoring tilt angle can also be adjusted
- A built-in heater provides ultra-low temperature start-up to -40 °C
- IP67/IK10 water resistant and vandal proof, preventing water ingress for outdoor use
- FC interface: the camera can be connected by fiber optical cable for the transfer of data over long distances
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements

## ▪ Specification

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Max. Resolution	1920 × 1080
Min. Illumination	Color: 0.006 Lux @ (F1.2, AGC ON), 0.01 Lux @ (F1.6, AGC ON) B/W: 0.002 Lux @ (F1.2, AGC ON), 0.003 Lux @ (F1.6, AGC ON), 0 Lux with IR
Shutter Time	1 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Four flexible lens in one track, slide range: -180°to 180°, tilt: 0°to 135°, rotate: 0°to 355°
Lens	
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm
Focal Length & FOV	2.8 to 12 mm, horizontal FOV 30°to 96.3°, vertical FOV 17°to 54°, diagonal FOV 34° to 121°
Lens Mount	Ø14
Focus	Semi-auto,Manual
Aperture	F1.6
Illuminator	
Supplement Light Type	IR
Supplement Light Range	10 m to 30 m
IR Wavelength	850 nm
Video	
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 960, 1280 × 720) 60 Hz: 24 fps (1920 × 1080, 1280 × 960, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 24 fps (704 × 480, 640 × 480)
Video Compression	Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, Third stream: H.265/H.264
Video Bit Rate	32 Kbps to 16 Mbps
H.264 Type	Baseline Profile,Main Profile,High Profile
H.265 Type	Main Profile
Scalable Video Coding (SVC)	H.264 encoding
Region of Interest (ROI)	4 fixed regions for each stream
Target Cropping	Yes
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC
Audio Bit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP

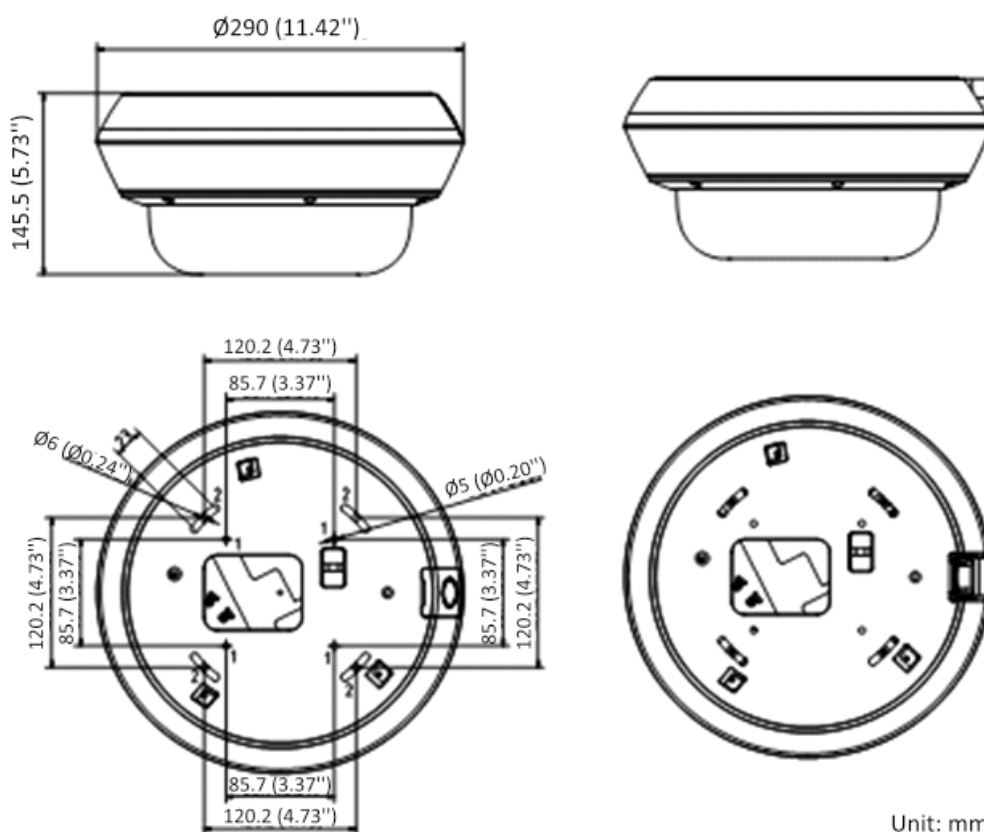
Simultaneous Live View	Up to 20 channels
API	Open Network Video Interface (Profile S, Profile G), ISAPI
User/Host	Up to 32 users 3 user levels: administrator, operator, and user
Security	Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network Video Interface
Network Storage	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)
Client	iVMS-4200
Web Browser	IE8+, Chrome31-44, Firefox 30.0-51
<b>Image</b>	
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, and white balance are adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule, Alarm Trigger
Wide Dynamic Range (WDR)	120 dB
SNR	≥ 52 dB
Image Stabilization	EIS
Image Enhancement	BLC, 3D DNR
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24 bit bmp format
<b>Interface</b>	
Ethernet Interface	1 RJ45 10 M/100 M/1000 M Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 128 GB
Audio	1-ch 3.5 mm input (line in/mic in), 1-ch 3.5 mm output, dual-track, stereo
Alarm	2 inputs, 2 outputs (max. 24 VDC, 1 A or 110 VAC, 500 mA )
RS-485	1 RS-485 (Half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)
Reset Key	Yes
Fiber Optical	FC interface, single mode, single fiber, 20 km transmission distance, (Tx) 1310 nm/1.25 G, (Rx) 1550 nm/1.25 G
<b>Event</b>	
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Smart Event	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection Face detection, audio exception detection, scene change detection, defocus detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
<b>General</b>	
Power	12 VDC ± 20%, 2.3 A, max. 28 W, Hi-PoE: 42.5 VDC to 57 VDC, 0.8 A to 0.6 A, max. 34 W, three-core terminal block
Material	Aluminum alloy, engineering plastics
Dimension	∅290 mm × 145.5 mm (∅11.42" × 5.73")
Package Dimension	453 mm × 393 mm × 385 mm (17.8" × 15.47" × 15.16")
Weight	Approx. 4.7 kg (10.3 lb.)
With Package Weight	Approx. 7.7 kg (16.8 lb.)
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)

Startup and Operating Conditions	-40 °C to 60 °C (-40 °F to 140 °F). Humidity 95% or less (non-condensing)
Language	32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)
General Function	One-key reset, anti-banding, mirror, heartbeat, password protection, privacy mask
<b>Approval</b>	
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015
Safety	UL: UL 62368-1, CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017
Environment	CE-RoHS: 2011/65/EU
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002

▪ **Available Model**







DS-2CD6D24FWD-IZHS(2.8-12mm)(B)

▪ **Dimension**



▪ **Accessory**

▪ **Optional**

<b>DS-1604ZJ</b> Wall mount	<b>DS-1661ZJ</b> Pendant Mount	<b>DS-1673ZJ</b> Vertical pole mount	<b>DS-1604ZJ-pole</b> Vertical pole mount	<b>DS-1663ZJ</b> In-ceiling mount
				
<b>DS-1604ZJ-corner</b> Corner mount	<b>DS-1602ZJ</b> Wall mount			
				

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