DS-2CD6D24FWD-(I)Z(H)(S)(/NFC)
EXIR Flexible PanoVu Network Camera

HD | H.265 | WDR | smart CODEC | 3D DNR

smart IPC

- 1/2.7” Progressive Scan CMOS
- 1920 × 1080 @ 30fps
- FOV: horizontal 30° to 96.3°, vertical 17° to 54°, diagonal 34° to 121°
- H.265, H.264, H.265+, H.264+
- Fiber optical transmission, optional
- 10 m to 30 m IR range
- IP67, IK10
- 4 flexible lens
- 6 behavior analyses, 4 exception detection, and face detection

Specifications

Camera		
Image Sensor		1/2.7" Progressive Scan CMOS
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 on
Shutter Speed		1 s - 1/100,000 s
Auto-iris		No
Day & Night		IR Cut Filter
Digital Noise Reduction		3D DNR
WDR		120 dB
3-Axis Adjustment		Four flexible lens in one track, slide range: -180° to 180°, tilt: 0° to 135°, rotate: 0° to 355°
Lens		
Focal length		2.8mm to 12mm
Aperture		F1.6
FOV		Horizontal field of view: 30° to 96.3° Vertical field of view: 17° to 54° Diagonal field of view: 34° to 121°
Lens Mount		Φ14
IR		
IR Range		10 m to 30 m
Wavelength		850 nm
Compression Standard		
Video Compression		Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type		Baseline Profile/Main Profile/High Profile
H.264+		Support
H.265 Type		Main Profile
H.265+		Support
Video Bit Rate		32 Kbps to 16 Mbps
Audio Compression		G.711/G.722.1/G.726/MP2L2/PCM/AAC
Audio Bit Rate		64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/16-64Kbps(AAC)
Smart Feature-set		
Behavior Analysis		Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Exception Detection		Audio exception detection, scene change detection, defocus detection
Face Detection		Yes
Region of Interest		Support 4 fixed region for each stream
Image		
Max. Resolution		1920 × 1080
Original Image	Main stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720)
	Sub-stream	50Hz: 25fps (704 × 576, 640 × 480) 60Hz: 30fps (704 × 480, 640 × 480)
	Third stream	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 640 × 480)

	60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 640 × 480)
Image Enhancement	BLC, 3D DNR, EIS
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, and white balance are adjustable by client software or web browser
SVC	H.264 Support
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, 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, UDP
General Function	One-key reset, anti-flicker, mirror, heartbeat, password protection, privacy mask, watermark, IP address filter
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 20 channels
User/Host	Up to 32 users 3 levels: Administrator, Operator and User
Client	iVMS-4200
Web Browser	IE8+, Chrome31-44, Firefox 30.0 - 51
Interface	
Audio (-S)	1-ch 3.5 mm input (line in/Mic in), 1-ch 3.5mm output, dual-track, stereo
Communication Interface	1 RJ45 10M/100M/1000M Ethernet port 1 RS-485 interface (-S) 1 1000M FC fiber optical interface (-/NFC)
Alarm (-S)	2 input, 2 output (up to 24 VD, 1A or 110 VAC, 500mA)
On-board storage	Built-in Micro SD/SDHC/SDXC slot, up to 128 GB
Reset Button	Yes
Audio	
Environment Noise Filtering	Support
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Fiber Optical	
Interface Type	FC interface
Optical Type	Single mode, single fiber
Input/output Wavelength	Tx1310nm/1.25G, Rx1550nm/1.25G
Transmission Distance	20 km
General	
Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). -H: -40 °C to 60 °C (-40 °F to 140 °F) Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 20%, 24 VAC ± 20% (for customization), three-core terminal block, -IZ, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, -Z: PoE (802.3at)
Power Consumption and Current	12 VDC ± 20%: max. 28 W/2.3 A 24 VAC ± 20%, max. 50 to 60 Hz/2.5 A (for customization) -IZ, -IZHS/NFC: Hi-PoE: 42.5 VDC to 57 VDC, max. 34W/0.9 A to 0.6 A -Z: PoE (802.3at): 42.5 VDC to 57 VDC, max. 17W
Protection Level	IP67, IK10
Material	Aluminum alloy, engineering plastics

Dimensions	Camera: Ø290 mm × 145.5 mm (Ø11.42" × 5.73") Package: 453 mm × 393 mm × 385 mm (17.8" × 15.47" × 15.16")
Weight	Camera: Approx. 4.7 kg (10.3 lb.) With package: Approx. 7.7 kg (16.8 lb.)

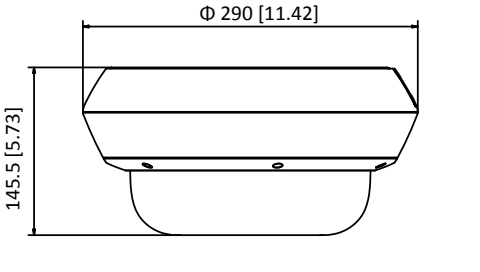
**The VCA function can be enabled for any channel separately, or for both Camera 01 and Camera 03, or Camera 02 and Camera 04.*

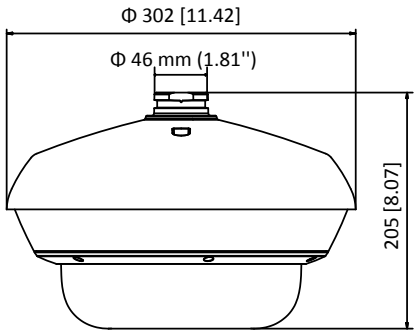
Available Models

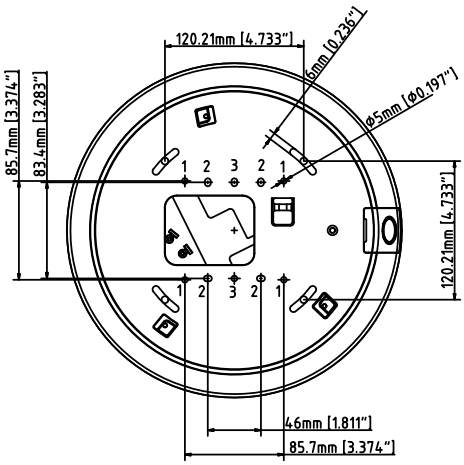
DS-2CD6D24FWD-Z
DS-2CD6D24FWD-IZ
DS-2CD6D24FWD-IZHS/NFC

-I: IR supported
-H: heater supported, start-up in -40°C
-S: 1 audio input (line in), 1 audio output, 2 alarm input and 2 alarm output, and 1 RS-485 interface
-/NFC: fiber optical transmission supported

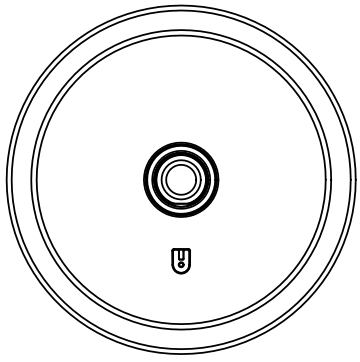
Dimensions







Indoor



Outdoor

Accessories

DS-1602ZJ

Wall Mount

DS-1603ZJ

Wall Mount

DS-1663ZJ

Pendant Mount

DS-1661ZJ

Pendant Mount

DS-1275ZJ

Vertical Pole Mount

DS-1276ZJ

Corner Mount

DS-1673ZJ

Horizontal Pole Mount

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