DS-2CD2443G0-IW
4 MP IR Fixed Cube Network Camera

- High quality imaging with 4 MP resolution

- Efficient H.265+ compression technology

- Clear imaging against strong back light due to 120 dB true WDR technology

- Provides real-time security via built-in two-way audio

- Detects human body through passive infrared is sensitive to body temperature (PIR)

- -W: Wi-Fi connection

▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 lux @(F1.6, AGC ON), 0 lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Day &Night	IR Cut Filter
Wide Dynamic Range	120 dB
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
DNR	3D DNR
Lens	
Lens	2.8/4 mm
Aperture	F1.6
FOV	2.8 mm, horizontal FOV: 98°, vertical FOV: 55°, diagonal FOV: 114°
	4 mm, horizontal FOV: 78°, vertical FOV: 42°, diagonal FOV: 93°
Lens Mount	M12
Illuminator	
IR Range	10 m
Wavelength	850 nm
PIR	
PIR Angle	Horizontal: 90°, vertical: 80°
PIR Range	10 m
Video	
Max. Resolution	2688 × 1520
Main Stream	50 Hz: 25 fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)
	60 Hz: 30 fps (2688 × 1520, 2560 × 1440, 2304 × 1296, 1920 × 1080)
Sub Stream	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)
	60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50 Hz: 25 fps (1280 × 720, 640 × 360, 352 × 288)
	60 Hz: 30 fps (1280 × 720, 640 × 360, 352 × 240)
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.265 Type	Main Profile
Video Bit Rate	32 Kbps to 16 Mbps
SVC	Support H.264 and H.265 encoding
Audio	
Audio Compression	G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM
Audio Bit Rate	64 Kbps(G.711)/16 Kbps(G.722.1)/16 Kbps(G.726)/32 to 160 Kbps(MP2L2)
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHZ/48 kHz
Smart Feature-Set	
Smart Event	Line crossing detection, intrusion detection, face detection

Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Trigger recording: memory card, network storage, pre-record and post-record Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, Email

Image	
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule

Wi-Fi	
Channel Bandwidth	20 M/40 M
Security	WPA, WPA2
Transfer Rate	11b: 11 Mbps 11g: 54 Mbps 11n: up to 150 Mbps
Wireless Range	50 m
Wireless Standards	IEEE 802.11b/g/n
Frequency Range	2.412 GHz to 2.4835 GHz

Network	
Network Storage	NAS (NFS, SMB/CIFS), ANR
Protocols	802.11b: DQPSK, DBPSK, CCK 802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK WebSocket, WebSockets
API	Open Network Video Interface (Profile S, Profile G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 user 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+
Alarm Trigger	Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, PIR, illegal login
Firmware Version	5.6.3

Interface	
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port
Audio	1 built-in mic, 1 built-in speaker, mono sound
On-board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 128 GB

Compression Standard	
H.264+	Main stream supports
H.265+	Main stream supports

Smart Feature-set	
Face Detection	Yes

General	
General Function	One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter

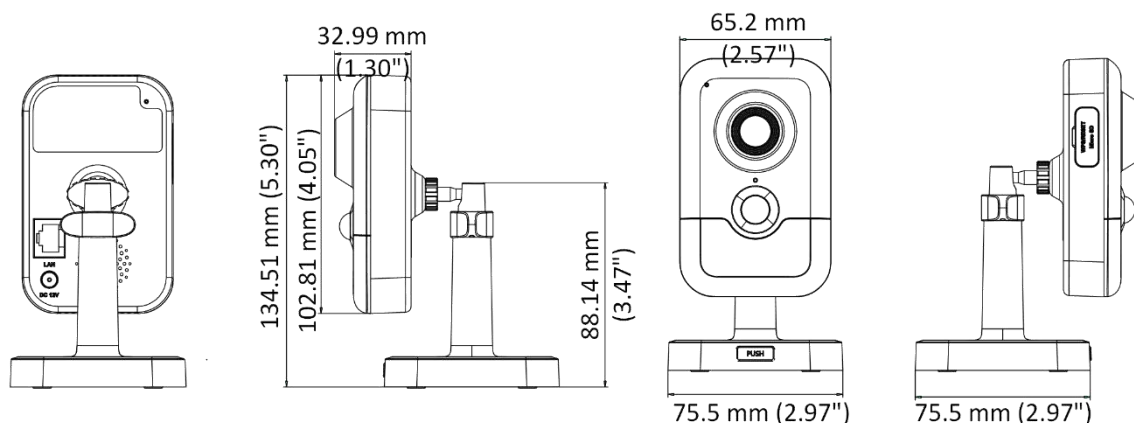| Reset	Yes
Startup and Operating Conditions	-10 °C to +40 °C (14 °F to +104 °F). Humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25% PoE: 802.3af, Class 3
Power Consumption and Current	12 VDC, 0.5 A, max. 6 W, Ø5.5 mm coaxial plug power PoE: 802.3af, 36 V to 57 V, 0.2 A to 0.1 A, max. 7 W
Material	Plastic
Dimensions	102.8 mm × 65.2 mm × 32.6 mm (4.1" × 2.6" × 1.3")
Weight	Camera: Approx. 128 g (0.3 lb.)

▪ Available Model

DS-2CD2443G0-IW (2.8/4 mm)

▪ Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate anti-corrosion demands. Typical application scenarios include coastal areas about 2 kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.
No specific protection	Hikvision products at this level are equipped for use in areas where no specific anti-corrosion protection is needed.

▪ Dimension

Distributed by

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