DS-2CD2443G2-IW (W)

4 MP Indoor Audio Fixed Human Body Detection Cube Network Camera





- High quality imaging with 4 MP resolution
- Clear imaging against strong backlight due to Digital WDR technology
- Focus on human and vehicle classification based on deep learning
- Provide real-time security via built-in two-way audio

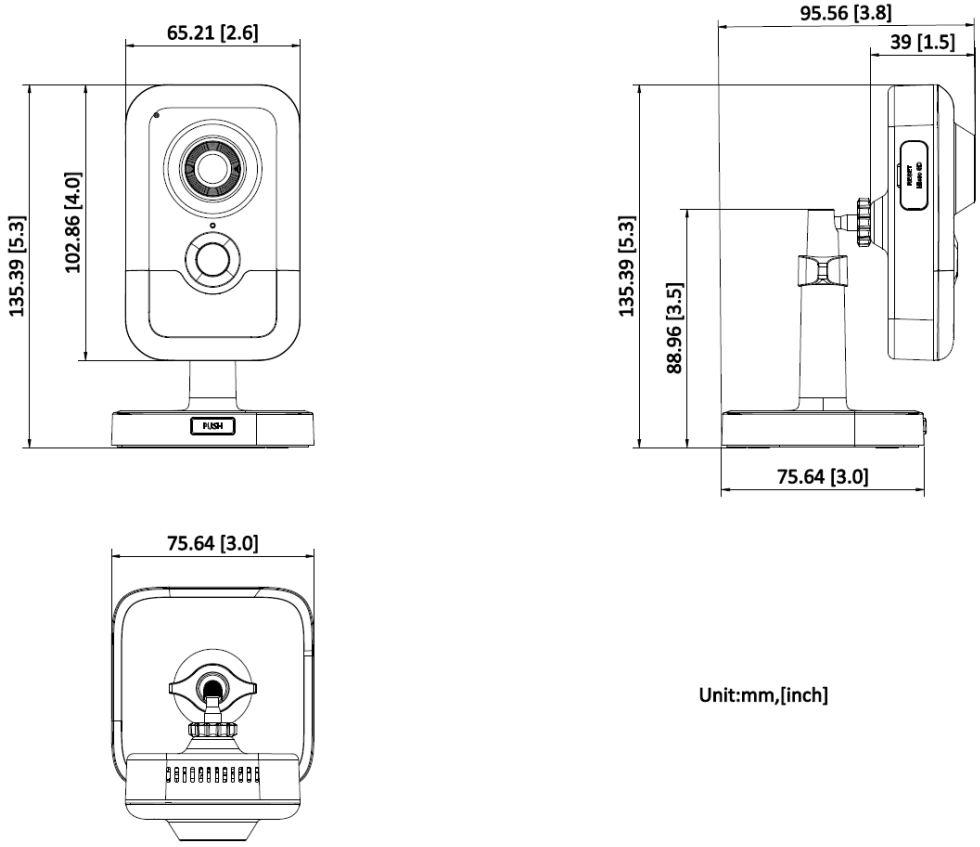
▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Max. Resolution	2560 × 1440
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Shutter Time	1/3 s to 1/100,000 s
Day & Night	IR cut filter
Angle Adjustment	Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°
Lens	
Focal Length & FOV	2.8 mm, horizontal FOV 92°, vertical FOV 50°, diagonal FOV 110° 4 mm, horizontal FOV 75°, vertical FOV 41°, diagonal FOV 89°
Aperture	F1.6
Lens Mount	M12
Pixel Density	
DORI	2.8 mm: D: 56.0 m, O: 22.2 m, R: 11.2 m, I: 5.6 m 4 mm: D: 79.4 m, O: 31.5 m, R: 15.9 m, I: 7.9 m
Illuminator	
Supplement Light Type	IR
Supplement Light Range	Up to 10 m
IR Wavelength	850 nm
Smart Supplement Light	Yes
Video	
Main Stream	50 Hz: 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (1280 × 720, 768 × 432, 512 × 288) 60 Hz: 30 fps (1280 × 720, 768 × 432, 512 × 288)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264
Video Bit Rate	Up to 2 Mbps
H.264 Type	Baseline Profile/Main Profile/High Profile
H.265 Type	Main Profile
Bit Rate Control	CBR/VBR
Audio	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz
Audio Compression	G.711/AAC-LC
Audio Bit Rate	64 Kbps (G.711ulaw/G.711alaw)/16 to 64 Kbps (AAC-LC)
Network	
Simultaneous Live View	Up to 4 channels
API	ONVIF
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, RTP, RTSP, RTCP, NTP, UPnP, IGMP, QoS, IPv4, UDP, Bonjour, SSL/TLS
User/Host	Administrator
Security	Password protection, HTTPS encryption, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE for Open Network Video Interface
Client	iVMS-4200, Hik-Connect, Hik-Partner-Pro

Wi-Fi	
Encryption Mode	WPA-PSK/WPA2-PSK
Wi-Fi Protocol	IEEE 802.11b, 802.11g, 802.11n
Frequency Range	2.412 GHz to 2.472 GHz
Channel Bandwidth	20 MHz
Modulation	802.11b: CCK, QPSK, BPSK 802.11g: OFDM 802.11n: OFDM
Wireless Range	Up to 50 m (The performance varies based on actual environment)
Transfer Rate	11b: up to 54 Mbps, 11g: up to 54 Mbps, 11n: up to 150 Mbps
Image	
Wide Dynamic Range (WDR)	Digital WDR
Privacy Mask	4 programmable polygon privacy masks
Day/Night Switch	Day, Night, Auto, Schedule
Image Parameters Switch	Yes
Image Settings	Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software
Interface	
Built-in Microphone	Yes, 1 built-in microphone
Built-in Speaker	Yes, 1 built-in speaker
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
Reset Key	Yes
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and vehicle)),exception
Linkage	Upload to memory card, notify surveillance center, trigger capture, audible warning
General	
Power	12 VDC, 0.38 A, max. 4.56 W, Ø2.0 mm coaxial power plug, PoE: IEEE 802.3af, Class 3
General Function	Heartbeat, mirror
Storage Conditions	-10 °C to 45 °C (14 °F to 113 °F). Humidity 95% or less (non-condensing)
Startup and Operating Conditions	-10 °C to 45 °C (14 °F to 113 °F). Humidity 95% or less (non-condensing)
Material	Plastic
Dimension	102.9 mm × 65.2 mm × 32.9 mm (4.1" × 2.6" × 1.3")
Package Dimension	150 mm × 125 mm × 99 mm (5.9" × 4.9" × 3.9")
Weight	Approx. 120 g (0.3 lb.)
With Package Weight	Approx. 430 g (0.9 lb.)
Approval	
EMC	CE-EMC (EN 55032:2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4:2011 +A1: 2014)
RF	CE-RED (EN 301489-1 V2.1.1(BT or 2.4G); EN 301489-17 V3.1.1(BT or 2.4G); EN 300328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G))

Safety	CE-LVD (EN 62368-1:2014/A11:2017)
Environment	CE-RoHS (2011/65/EU) WEEE (2012/19/EU)

▪ Dimension



Unit:mm,[inch]

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