

## DS-2CD2423G2-IW (W) 2 MP AcuSense Fixed Cube Network Camera



Empowered by deep learning algorithms, Hikvision AcuSense technology brings human targets classification alarms to front- and back-end devices. The system focuses on human targets, vastly improving alarm efficiency and effectiveness.

- High quality imaging with 2 MP resolution
- Clear imaging against strong backlight due to Digital WDR technology
- Focus on human classification based on deep learning
- Provide real-time security via built-in two-way audio

## ▪ Specification

Camera	
Image Sensor	1/3" Progressive Scan CMOS
Min. Illumination	Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR
Max. Resolution	1920 × 1080
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
DORI	
DORI	2.8 mm: D: 38.6 m, O: 15.3 m, R: 7.7 m, I: 3.9 m 4 mm: D: 54.8 m, O: 21.7 m, R: 11.0 m, I: 5.5 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 (1920 × 1080, 1280 × 720, 768 × 432) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 768 × 432)
Sub-Stream	50 Hz: 25 fps (768 × 432, 512 × 288) 60 Hz: 30 fps (768 × 432, 512 × 288)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264
Video Bit Rate	Up to 1 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/16kHz
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, SDK
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

<b>Wi-Fi</b>	
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
Transfer Rate	802.11b: up to 54 Mbps, 802.11g: up to 54 Mbps 802.11n: up to 150 Mbps
Wireless Range	Up to 50 m (The performance varies based on actual environment)
<b>Image</b>	
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	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software
<b>Interface</b>	
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
<b>Event</b>	
Basic Event	Motion detection (support alarm triggering by specified target types (human)), exception
Linkage	Upload to memory card, notify surveillance center, trigger capture, audible warning, auto-tracking lite
<b>Deep Learning Function</b>	
Perimeter Protection	Line crossing, intrusion, region entrance, region exiting Support alarm triggered by specified target types (human and vehicle)
<b>General</b>	
Power	12 VDC, 0.4 A, max. 4.9 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 × 32.6 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.)

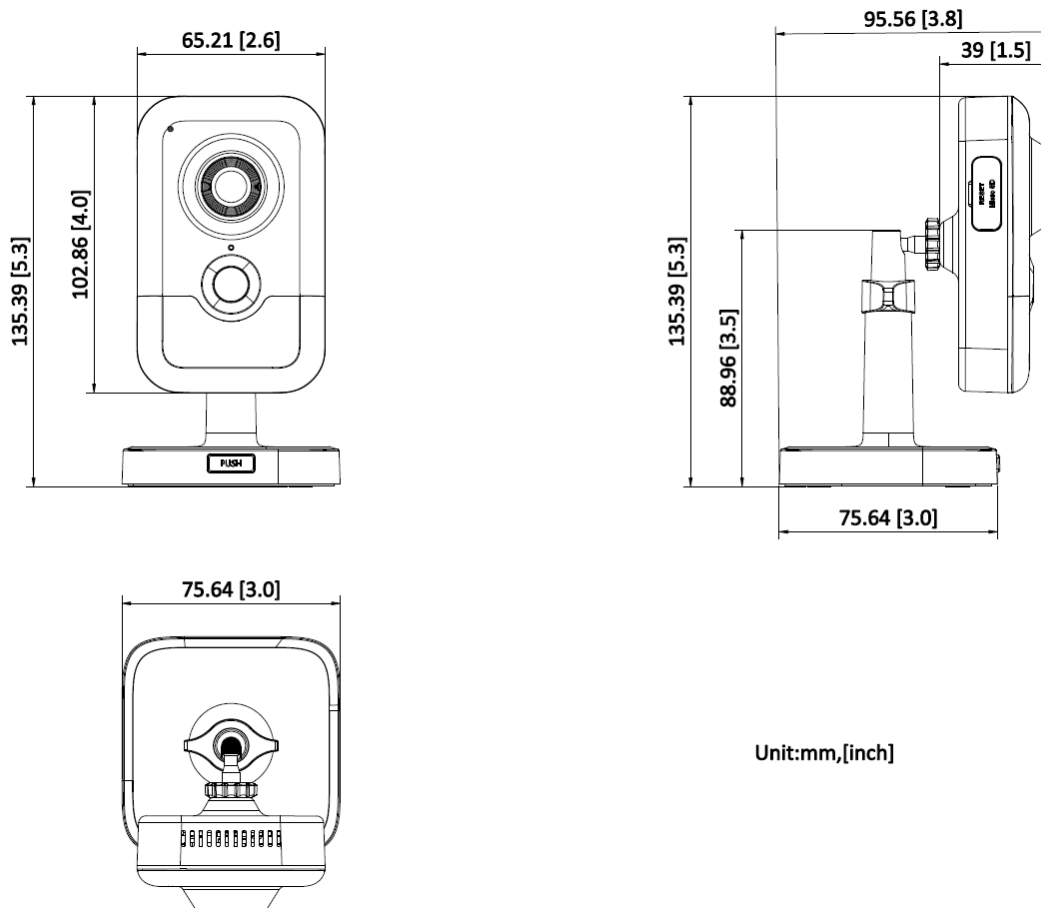
Approval	
EMC	CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014)
Safety	CE-LVD (EN 62368-1:2014/A11:2017)
Environment	CE-RoHS (2011/65/EU) WEEE (2012/19/EU)

**▪ Available Model**

DS-2CD2423G2-IW(2.8mm)(W)

DS-2CD2423G2-IW(4mm)(W)

**▪ Dimension**



Unit:mm,[inch]

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