# DS-2CD2423G0-I(W)
# 2 MP IR Fixed Cube Network Camera

## Key Features

- 1920 × 1080@30fps
- IR: up to 10 m
- PIR: 10 m
- H.265+, H.265, H.264+, H.264
- 120dB WDR
- Built-in MicroSD/SDHC/SDXC slot, up to 128G
- PoE
- BLC/3D DNR/HLC/ROI
- Wi-Fi (Optional)
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR

# Specifications

| | |
|---|---|
| ***Camera*** | |
| Image Sensor | 1/2.7" Progressive Scan CMOS |
| Min. Illumination | Color: 0.01 Lux @ (F1.2, AGC ON), 0.028 lux @(F2.0, AGC ON), 0 lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR Cut Filter |
| Digital Noise Reduction | 3D DNR |
| WDR | 120dB |
| 3-Axis Adjustment | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° |
| ***Lens*** | |
| Focal length | 2.8/4 mm |
| Aperture | F2.0 |
| FOV | 2.8 mm, horizontal FOV: 114°, vertical FOV: 62°, diagonal FOV: 135°<br>4 mm, horizontal FOV: 86°, vertical FOV: 46°, diagonal FOV: 102° |
| Lens Mount | M12 |
| ***IR*** | |
| IR Range | 10 m |
| Wavelength | 850nm |
| ***PIR*** | |
| Angle | Horizontal: 90°, Vertical: 80° |
| PIR Range | 10 m |
| ***Compression Standard*** | |
| Video Compression | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264 |
| H.264 Type | Main Profile/High Profile |
| H.264+ | Main stream supports |
| H.265 Type | Main Profile |
| H.265+ | Main stream supports |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| Audio Compression | G722.1/G711ulaw/G711alaw/G726/MP2L2/PCM |
| Audio Bit Rate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2) |
| ***Smart Feature-set*** | |
| Behavior Analysis | Line crossing detection, intrusion detection |
| Face Detection | Yes |
| Region of Interest | Support 1 fixed region for main stream and sub-stream separately |
| ***Image*** | |
| Max. Resolution | 1920 × 1080 |
| Main Stream | 50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720)<br>60Hz: 30fps (1920 × 1080, 1280 × 960, 1280 × 720) |
| Sub-Stream | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50Hz: 25fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1920 × 1080, 1280 × 720, 640 × 360, 352 × 240) |

| | |
|---|---|
| Image Setting | Rotate mode, saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser |
| Image Enhancement | BLC/3D DNR/HLC |
| Day/Night Switch | Day/Night/Auto/Schedule |
| ***Network*** | |
| Network Storage | Support MicroSD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR |
| Alarm Trigger | Motion detection, video tampering, network disconnected, IP address conflict, HDD full, HDD error, PIR, illegal login |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP™, SMTP, SNMP, IGMP, QoS, IPv6 |
| General Function | One-key reset, anti-flicker, three streams, heartbeat, mirror, password protection, privacy mask, watermark, IP address filter |
| Firmware Version | V5.5.80 |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users<br>3 levels: Administrator, Operator and User |
| Client | iVMS-4200, Hik-Connect, iVMS-5200, iVMS-4500 |
| Web Browser | Plug-in required live view:<br>IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11<br>Plug-in free live view:<br>Chrome 45.0+, Firefox 52.0+ |
| ***Interface*** | |
| Audio | 1 built-in mic, 1 built-in speaker, mono sound |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| On-board storage | Built-in Micro SD/SDHC/SDXC slot, up to 128G |
| SVC | Support H.264 and H.265 encoding |
| Reset Button | Yes |
| ***Wi-Fi (-W)*** | |
| Wireless Standards | IEEE 802.11b/g/n |
| Frequency Range | 2.412 GHz to 2.4835 GHz |
| Channel Bandwidth | 20M/40M |
| Protocols | 802.11b: DQPSK, DBPSK, CCK<br>802.11g/n: OFDM/64-QAM, 16-QAM, QPSK, BPSK |
| Security | WPA, WPA2 |
| Transfer Rates | 11b: 11Mbps, 11g: 54Mbps, 11n: up to 150Mbps |
| Wireless Range | 50 m |
| ***Audio*** | |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| ***General*** | |
| 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, Φ 5.5 mm coaxial plug power<br>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") |

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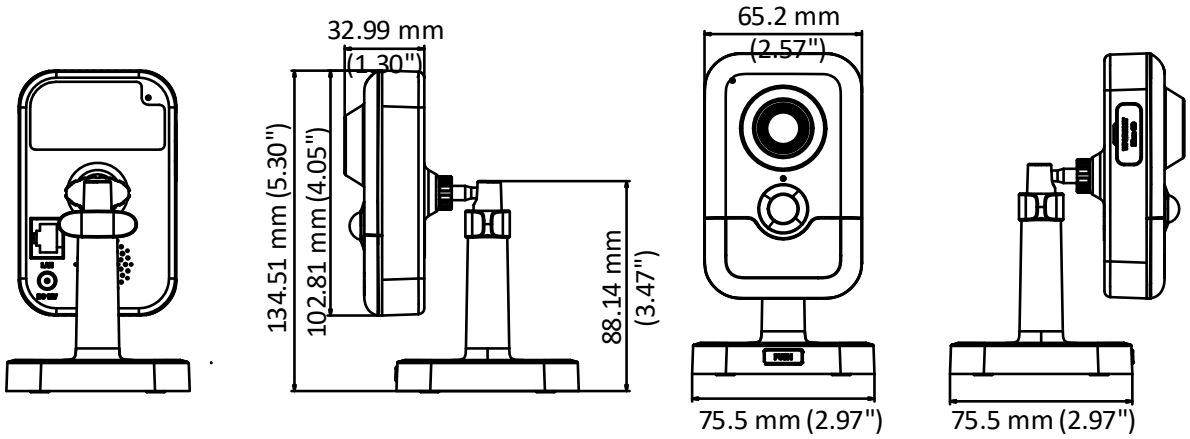
|---|---|
| Weight | Camera: Approx. 128 g (0.3 lb.) |

## Available Model

DS-2CD2423G0-I (2.8/4 mm), DS-2CD2423G0-IW (2.8/4 mm)

## Dimension




Distributed by


**Headquarters**
No.555 Qianmo Road, Binjiang District,
Hangzhou 310051, China
T +86-571-8807-5998
overseasbusiness@hikvision.com

**Hikvision USA**
T +1-909-895-0400
sales.usa@hikvision.com

**Hikvision Europe**
T +31-23-5542770
sales.eu@hikvision.com

**Hikvision UK & Ireland**
T +01628-902140
sales.uk@hikvision.com

**Hikvision UAE**
T +971-4-4432090
salesme@hikvision.com

**Hikvision Russia**
T +7-495-669-67-99
saleru@hikvision.com

**Hikvision Australia**
T +61-2-8599-4233
salesau@hikvision.com

**Hikvision Italy**
T +39-0438-6902
info.it@hikvision.com

**Hikvision South Africa**
Tel: +27 (10) 0351172
sale.africa@hikvision.com

**Hikvision Singapore**
T +65-6684-4718
sg@hikvision.com

**Hikvision Korea**
T +82-(0)31-731-8817
sales.korea@hikvision.com

**Hikvision India**
T +91-22-28469900
sales@pramahikvision.com

**Hikvision Brazil**
T +55 11 3318-0050
Latam.support@hikvision.com

**Hikvision France**
T +33(0)1-85-330-450
info.fr@hikvision.com

**Hikvision Spain**
T +34-91-737-16-55
info.es@hikvision.com

**Hikvision Poland**
T +48-22-460-01-50
info.pl@hikvision.com

**Hikvision Canada**
T +1-866-200-6690
sales.canada@hikvision.com

**Hikvision Turkey**
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

**Hikvision Kazakhstan**
T +7-727-9730667
nikia.panfilov@hikvision.ru

**Hikvision Tashkent**
T +99-87-1238-9438
uzb@hikvision.ru

**Hikvision Indonesia**
T +62-21-2933759
Sales.Indonesia@hikvision.com

**Hikvision Thailand**
T +662-275-9949
sales.thailand@hikvision.com

**Hikvision Malaysia**
T +601-7652-2413
sales.my@hikvision.com

**Hikvision Vietnam**
T +84-974270888
sales.vt@hikvision.com

**Hikvision Hong Kong**
T +852-2151-1761
info.hk@hikvision.com

**Hikvision Colombia**
sales.colombia@hikvision.com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