

DS-2CV2041G2-IDW 4 MP EXIR Fixed Bullet Wi-Fi Network Camera



- High quality imaging with 4 MP resolution
- Realizing Wi-Fi connection and easy installation
- Provides real-time security via built-in two-way audio
- EXIR 2.0, advanced infrared technology with long IR distance
- Support on-board storage up to 512 GB (SD card slot)
- Water and dust resistant (IP66)

▪ 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 | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 95°, vertical FOV 53°, diagonal FOV 111° 4 mm, horizontal FOV 79°, vertical FOV 40°, diagonal FOV 94° |
| Aperture | F1.6 |
| Lens Mount | M12 |
| Iris Type | Fixed |
| Depth of Field | 2.8 mm: 1 m to ∞ 4 mm: 1.2 m to ∞ |
| DORI | |
| DORI | 2.8 mm, D: 63 m, O: 25 m, R: 12 m, I: 6 m 4 mm, D: 78 m, O: 31 m, R: 15 m, I: 7 m |
| Illuminator | |
| Supplement Light Type | IR |
| Supplement Light Range | Up to 30 m |
| IR Wavelength | 850 nm |
| Smart Supplement Light | Yes |
| Video | |
| Main Stream | 50 Hz: 20 fps (2560 × 1440), 25 fps (1920 × 1080, 1280 × 720) 60 Hz: 20 fps (2560 × 1440), 30 fps (1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub-stream: H.265/H.264/MJPEG |
| Video Bit Rate | 32 Kbps to 8 Mbps |
| H.264 Type | Baseline Profile, Main Profile, High Profile |
| H.265 Type | Main Profile |
| Bit Rate Control | CBR, VBR |
| Audio | |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC) |
| Audio Sampling Rate | 8 kHz/16 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, QoS, IPv6, Bonjour |
| Simultaneous Live View | Up to 6 channels |

| | |
|--------------------------|---|
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS |
| User/Host | Up to 32 users. 3 levels: administrator, operator and user |
| Network Storage | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Client | Wired network: Hik-Connect, iVMS-4200 Wi-Fi: iVMS-4200 *Wi-Fi connection with Hik-Connect directly is not possible. |
| Web Browser | Plug-in required live view: IE 10+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| Wi-Fi | |
| Transfer Rate | 11n: up to 300 Mbps |
| Wi-Fi Protocol | 802.11n: OFDM, 802.11b: DSSS, 802.11g: OFDM |
| Frequency Range | 2.412 GHz to 2.472 GHz |
| Channel Bandwidth | 20/40 MHz |
| Modulation | 802.11n: BPSK, QPSK, 16QAM, and 64QAM, 802.11b: DBPSK and DQPSK, CCK, 802.11g: BPSK, QPSK, 16QAM, and 64QAM |
| Wireless Range | Up to 120 m (The performance varies based on actual environment) |
| Antenna | 2 Antennas |
| Image | |
| Image Settings | saturation, brightness, contrast, sharpness, adjustable by client software or web browser |
| Day/Night Switch | Auto, Schedule, Day, Night |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC, 3D DNR |
| Interface | |
| Built-in Microphone | Yes |
| Built-in Speaker | Yes |
| 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, exception |
| Linkage | Upload to NAS/memory card, notify surveillance center, trigger recording, trigger capture |
| General | |
| Power | 12 VDC ± 25%, 0.5 A, max. 6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, A switching adapter is included in the package. |
| Language | English, Ukrainian |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |

| | |
|----------------------------------|--|
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| General Function | Anti-banding, heartbeat, mirror, password protection, watermark, IP address filter |
| Material | Base: metal, front cover: metal, back cover: plastic |
| Dimension | 175.6 mm × 73 mm × 89.1 mm (6.9" × 2.9" × 3.5") |
| Package Dimension | 260 mm × 125 mm × 125 mm (10.2" × 4.9" × 4.9") |
| Weight | Approx. 335 g (0.8 lb.) |
| With Package Weight | Approx. 689 g (1.5 lb.) |
| Approval | |
| EMC | FCC SDoC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); |
| RF | FCC ID (FCC Part 15.247(BT or 2.4G)); 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)); MIC (JPN) |
| Safety | CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); |
| Environment | CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006 |
| Protection | IP66: IEC 60529-2013 |

▪ 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.

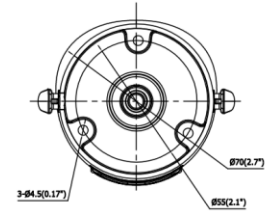
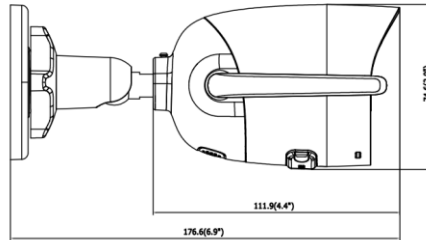
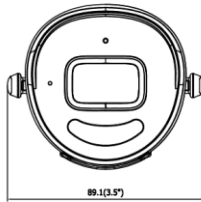
This model has NO SPECIFIC PROTECTION.

| 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. |

▪ Available Model

DS-2CV2041G2-IDW(2.8mm)(E)
DS-2CV2041G2-IDW(4mm)(E)

▪ Dimension



Unit:mm(1inch)

▪ Accessory

▪ Optional

DS-1280ZJ-XS
Junction box



See Far, Go Further



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