

**DS-2CV2046G0-IDW**

**4 MP EXIR Fixed Bullet Wi-Fi Network Camera**



## Key Features

- 1/2.7" Progressive Scan CMOS
- Human and Vehicle Classification
- Strobe Light and Audible Warning
- Built-in dual antenna 2.4G Wi-Fi, up to 120m range in open area
- Built-in microphone and speaker, support two-way audio
- H.265, H.264
- EXIR, 30m IR range
- IP66
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- Mobile monitoring via Hik-Connect



## Specifications

| Camera                      |                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.7" Progressive Scan CMOS                                                                                                           |
| Min. Illumination           | Color: 0.009 Lux @ (F1.6, AGC ON), 0 Lux with IR                                                                                       |
| Shutter Speed               | 1/3 s to 1/100,000 s                                                                                                                   |
| Slow Shutter                | Yes                                                                                                                                    |
| Wide Dynamic Range          | 120dB                                                                                                                                  |
| Day & Night                 | ICR Cut                                                                                                                                |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                   |
| Lens                        |                                                                                                                                        |
| Lens Type & FOV             | 2.8 mm, horizontal FOV: 97°, vertical FOV: 52°, diagonal FOV: 114°;<br>4 mm, horizontal FOV: 79°, vertical FOV: 42°, diagonal FOV: 93° |
| Aperture                    | F1.6                                                                                                                                   |
| Lens Mount                  | M12                                                                                                                                    |
| Fixed Aperture              | Yes                                                                                                                                    |
| Illuminator                 |                                                                                                                                        |
| IR Range                    | up to 30 m                                                                                                                             |
| Wavelength                  | 850 nm                                                                                                                                 |
| Smart Supplement Light      | Yes                                                                                                                                    |
| Visual Alarm                | Yes                                                                                                                                    |
| Video                       |                                                                                                                                        |
| Max. Resolution             | 2560 × 1440                                                                                                                            |
| Main Stream                 | 50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 720);<br>60Hz: 30fps (2560 × 1440, 1920 × 1080, 1280 × 720)                              |
| Sub Stream                  | 50Hz: 25fps (640 × 360);<br>60Hz: 30fps (640 × 360)                                                                                    |
| Video Compression           | Main stream/Sub-stream: H.265/H.264                                                                                                    |
| Video Bit Rate              | 32 Kbps to 8Mbps                                                                                                                       |
| H.264 Type                  | BaseLine Profile/Main Profile/High Profile                                                                                             |
| H.265 Type                  | Main Profile                                                                                                                           |
| Stream Type                 | Main stream and sub-stream                                                                                                             |
| Region of Interest (ROI)    | 1 fixed region for main stream                                                                                                         |
| Audio                       |                                                                                                                                        |
| Environment Noise Filtering | Yes                                                                                                                                    |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                           |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM                                                                                                          |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-160Kbps(MP2L2)                                                                          |

| Network                             |                                                                                                                                                                                                                                                                                                                     |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simultaneous Live View              | Up to 6 channels                                                                                                                                                                                                                                                                                                    |
| API                                 | SDK                                                                                                                                                                                                                                                                                                                 |
| Protocols                           | TCP/IP, ICMP, HTTP, FTP, DHCP, DNS, DDNS, RTP, RTSP, R TCP, NTP, UPnP, SMTP, IGMP, QoS, IPv6, UDP, Bonjour, SSL/TLS                                                                                                                                                                                                 |
| User/Host                           | Up to 32 users<br>3 levels: Administrator, Operator and User                                                                                                                                                                                                                                                        |
| Security                            | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP OVER HTTPS, Control Timeout Settings, Security Audit Log, TLS 1.2 |
| Network Storage                     | NAS(NFS,SMB/CIFS)                                                                                                                                                                                                                                                                                                   |
| Client                              | iVMS-4200, Hik-Connect                                                                                                                                                                                                                                                                                              |
| Web Browser                         | Plug-in required live view: IE8+, Chrome41.0-44, Firefox30.0-51, Safari8.0-11;<br>Plug-in free live view: Chrome 45.0+, Firefox 52.0+                                                                                                                                                                               |
| Image                               |                                                                                                                                                                                                                                                                                                                     |
| Day/Night Switch                    | Day/Night/Auto/Schedule                                                                                                                                                                                                                                                                                             |
| Image Enhancement                   | BLC, HLC, 3D DNR                                                                                                                                                                                                                                                                                                    |
| Image Settings                      | Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser                                                                                                                                                                                                |
| Interface                           |                                                                                                                                                                                                                                                                                                                     |
| Audio                               | 1 built-in microphone, 1 built-in speaker                                                                                                                                                                                                                                                                           |
| On-board Storage                    | Built-in micro SD/SDHC/SDXC slot, up to 256 GB                                                                                                                                                                                                                                                                      |
| Hardware Reset                      | Yes                                                                                                                                                                                                                                                                                                                 |
| Communication Interface             | 1 RJ45 10M/100M self-adaptive Ethernet port                                                                                                                                                                                                                                                                         |
| Smart Feature-Set                   |                                                                                                                                                                                                                                                                                                                     |
| Smart Event                         | Intrusion detection, line crossing detection, region entrance detection, region exiting detection                                                                                                                                                                                                                   |
| Intelligent (Traditional Algorithm) |                                                                                                                                                                                                                                                                                                                     |
| Basic Event                         | Motion detection, flashing alarm light output, audible alarm output, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)                                                                                                                                                      |
| General                             |                                                                                                                                                                                                                                                                                                                     |
| Linkage Method                      | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, flashing alarm light output, audible warning                                                                                                                                                                                |
| Online Upgrade                      | Yes                                                                                                                                                                                                                                                                                                                 |
| Firmware Version                    | 5.5.110                                                                                                                                                                                                                                                                                                             |

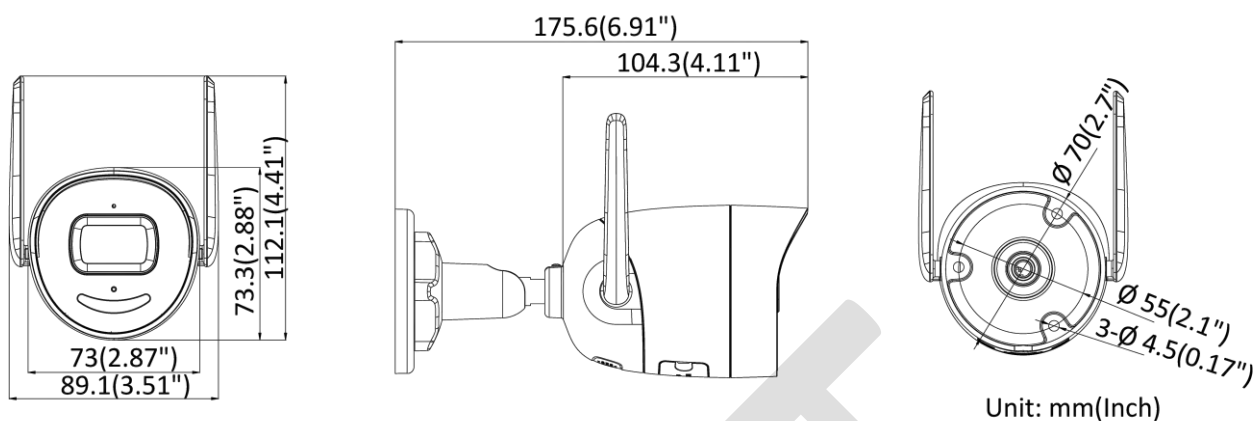
|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Web Client Language              | 32 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil)                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| General Function                 | One-key reset, anti-flicker, heartbeat, mirror, password protection, watermark, IP address filter, flash log, pixel counter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Software Reset                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Storage Conditions               | -30 °C to 60 °C (-22 °F to 140 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Power Supply                     | 12 VDC±25%, reverse polarity protection                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Power Consumption and Current    | 12 VDC, 0.67 A, max.8.0 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Power Interface                  | Φ5.5 mm coaxial power plug                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Material                         | Front cover: metal, back cover: plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Camera Dimension                 | 175.6× 73.0 × 89.1mm (6.91" × 2.87" × 3.51")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Package Dimension                | 260 × 125 × 125 mm (10.24" × 4.92" × 4.92")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Camera Weight                    | 450 g (0.99 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| With Package Weight              | 770 g (1.70 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Approval</b>                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| EMC                              | <p>FCC ID (FCC Part 15.247(BT or 2.4G));</p> <p>IC ID (RSS-247(BT or 2.4G));</p> <p>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));</p> <p>WPC (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014);</p> <p>KC (KN 32:2015; KN 35: 2015; KN 301489-1; KN 301489-17);</p> <p>ICASA (EN 301 489-1 V2.1.1(BT or 2.4G); EN 301 489-17 V3.1.1(BT or 2.4G); EN 300 328 V2.1.1(BT or 2.4G); EN 62311:2008(BT or 2.4G); EN 55032:2015; EN 61000-3-2:2014; EN 61000-3-3:2013; EN 50130-4:2011 +A1:2014; EN 60950-1:2005 + Am 1:2009 + Am 2:2013)</p> |
| EMC                              | <p>FCC ID (47 CFR Part 15, Subpart B);</p> <p>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);</p> <p>RCM (AS/NZS CISPR 32: 2015);</p> <p>IC (ICES-003: Issue 6, 2016);</p> <p>KC (KN 32: 2015, KN 35: 2015)</p>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

|                   |                                                                                                                                                                                                 |
|-------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Safety            | UL (UL 60950-1);<br>CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013);<br>BIS (IS 13252(Part 1):2010+A1:2013+A2:2015);<br>LOA (IEC/EN 60950-1) |
| Environment       | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006)<br>Reach Regulation (EC) No 1907/2006                                                                             |
| Protection        | IP66 (IEC 60529-2013)                                                                                                                                                                           |
| <b>Wi-Fi</b>      |                                                                                                                                                                                                 |
| Encryption Mode   | 64/128-bit WEP, WPA-EAP/WPA2-EAP, WPA-PSK/WPA4-PSK                                                                                                                                              |
| Wi-Fi Protocol    | IEEE802.11b, 802.11g, 802.11n                                                                                                                                                                   |
| Frequency Range   | 2.4 GHz - 2.4835 GHz                                                                                                                                                                            |
| Channel Bandwidth | 20/40MHz                                                                                                                                                                                        |
| Modulation        | 802.11b: CCK, QPSK, BPSK, 802.11g/n: OFDM                                                                                                                                                       |
| Wireless Range    | 120 m (The performance varies based on actual environment)                                                                                                                                      |

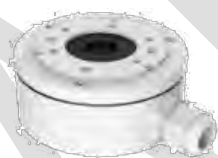
## Available Model

DS-2CV2046G0-IDW (2.8/4 mm)

## Dimension



## Accessory



**DS-1280ZJ-XS**  
**Junction Box**

Distributed by

**HIKVISION**

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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