

**DS-2CD3047G2-LS**  
**4 MP ColorVu Fixed Bullet Network Camera****ColorVu**

Hikvision ColorVu technology provides 24/7 vivid colorful images with F1.0 advanced lenses and high performance sensors. F1.0 super-aperture collects more light to produce brighter images. Advanced sensor technology can vastly improve the utilization of available light.

Hikvision has been dedicated to develop products with security since established. Hikvision always follows security by design principle and has adopted many methods of security technologies into our product development lifecycle, including terminal security, data security, application security, network security, and privacy protection. In the meantime, the security technologies used by Hikvision are all in compliance with local applicable laws and safety regulations. These security measures could enhance product's cyber security defense capability and protect your devices as well as your data from malicious cyber attacks.

- 24/7 Colorful imaging
- High quality imaging with 4 MP resolution
- Efficient H.265+ compression technology
- Water and dust resistant (IP67)
- Support 12 VDC power output for pickup
- Audio and alarm interfaces available
- Clear imaging against strong back light due to 130 dB true WDR technology

## ▪ Specification

| Camera                      |                                                                                                                                                                                                                   |
|-----------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/1.8" Progressive Scan CMOS                                                                                                                                                                                      |
| Max. Resolution             | 2688 × 1520                                                                                                                                                                                                       |
| Min. Illumination           | Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with light                                                                                                                                                              |
| Shutter Time                | 1/3 s to 1/100,000 s                                                                                                                                                                                              |
| Day & Night                 | 24/7 color imaging                                                                                                                                                                                                |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360°                                                                                                                                                              |
| Lens                        |                                                                                                                                                                                                                   |
| Lens Type                   | Fixed focal lens, 2.8, 4, and 6 mm optional                                                                                                                                                                       |
| Iris Type                   | Fixed                                                                                                                                                                                                             |
| Lens Mount                  | M16                                                                                                                                                                                                               |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 112°, vertical FOV 61°, diagonal FOV 134°<br>4 mm, horizontal FOV 95°, vertical FOV 51°, diagonal FOV 115°<br>6 mm, horizontal FOV 58°, vertical FOV 31°, diagonal FOV 69°                 |
| Aperture                    | F1.0                                                                                                                                                                                                              |
| DORI                        |                                                                                                                                                                                                                   |
| DORI                        | 2.8 mm: D: 58 m, O: 23 m, R: 11 m, I: 2 m<br>4 mm: D: 77 m, O: 30 m, R: 15 m, I: 7 m<br>6 mm: D: 115 m, O: 45 m, R: 23 m, I: 11 m                                                                                 |
| Illuminator                 |                                                                                                                                                                                                                   |
| Supplement Light Type       | White Light                                                                                                                                                                                                       |
| Supplement Light Range      | Up to 40 m                                                                                                                                                                                                        |
| Smart Supplement Light      | Yes                                                                                                                                                                                                               |
| Video                       |                                                                                                                                                                                                                   |
| Main Stream                 | 50 Hz: 25 fps (2688 × 1520, 1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (2688 × 1520, 1920 × 1080, 1280 × 720)                                                                                                      |
| Sub-Stream                  | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360)                                                                                                              |
| Third Stream                | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)<br>*Third stream is supported under certain settings.                              |
| Fourth Stream               | 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)<br>*Fourth stream is supported under certain settings.                                                       |
| Video Compression           | Main stream: H.265/H.264/H.265+/H.264+<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264<br>Fourth stream: H.265/H.264/MJPEG<br>*Third stream and fourth stream are supported under certain settings. |
| 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                                                                                                                                                                                                           |
| Scalable Video Coding (SVC) | H.265 and H.264 encoding                                                                                                                                                                                          |

|                             |                                                                                                                                                                                                                                        |
|-----------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Region of Interest (ROI)    | 5 fixed regions for main stream and sub-stream                                                                                                                                                                                         |
| Target Cropping             | Yes                                                                                                                                                                                                                                    |
| <b>Audio</b>                |                                                                                                                                                                                                                                        |
| Audio Type                  | Mono sound                                                                                                                                                                                                                             |
| Environment Noise Filtering | Yes                                                                                                                                                                                                                                    |
| Audio Sampling Rate         | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz                                                                                                                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                                                                                                                 |
| Audio Bit Rate              | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)                                                                                                      |
| <b>Network</b>              |                                                                                                                                                                                                                                        |
| Simultaneous Live View      | Up to 6 channels                                                                                                                                                                                                                       |
| API                         | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP                                                                                                                                                       |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, ARP, SNMP, WebSocket, WebSockets                                                             |
| User/Host                   | Up to 32 users. 3 user levels: administrator, operator and user                                                                                                                                                                        |
| Security                    | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface       |
| Network Storage             | NAS (NFS, SMB/CIFS), auto network replenishment (ANR)<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported.                                                                      |
| Client                      | iVMS-4200, Hik-Connect, Hik-Central                                                                                                                                                                                                    |
| Web Browser                 | Plug-in required live view: IE 10, IE 11<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+                                                                      |
| <b>Image</b>                |                                                                                                                                                                                                                                        |
| Wide Dynamic Range (WDR)    | 130 dB                                                                                                                                                                                                                                 |
| SNR                         | ≥ 52 dB                                                                                                                                                                                                                                |
| Privacy Mask                | 4 programmable polygon privacy masks                                                                                                                                                                                                   |
| Day/Night Switch            | Day, Night, Auto, Schedule                                                                                                                                                                                                             |
| Image Enhancement           | BLC, HLC, 3D DNR                                                                                                                                                                                                                       |
| Image Parameters Switch     | Yes                                                                                                                                                                                                                                    |
| Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser                                                                                                             |
| <b>Interface</b>            |                                                                                                                                                                                                                                        |
| Alarm                       | 1 input, 1 output (max. 12 VDC, 30 mA)                                                                                                                                                                                                 |
| Ethernet Interface          | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                                          |
| Audio                       | 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium<br>1 output (line out), max.output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound |
| On-Board Storage            | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                      |
| Reset Key                   | Yes                                                                                                                                                                                                                                    |
| Power Output                | 12 VDC, max. 100 mA                                                                                                                                                                                                                    |

| Event                            |                                                                                                                                                                                                                                                                                                                                                       |
|----------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)),video tampering alarm,exception                                                                                                                                                                                                                             |
| Smart Event                      | Unattended baggage detection, object removal detection, scene change detection, audio exception detection                                                                                                                                                                                                                                             |
| Linkage                          | Upload to FTP/NAS/memory card,notify surveillance center,send email,trigger alarm output,trigger recording,trigger capture,audible warning                                                                                                                                                                                                            |
| Deep Learning Function           |                                                                                                                                                                                                                                                                                                                                                       |
| Face Capture                     | Yes                                                                                                                                                                                                                                                                                                                                                   |
| Perimeter Protection             | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)                                                                                                                                                                                                                   |
| General                          |                                                                                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC $\pm$ 25%, 0.6 A, max. 7 W, $\varnothing$ 5.5 mm coaxial power plug,<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.25 A to 0.15 A, max. 8.5 W                                                                                                                                                                                                      |
| Language                         | 33 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), Ukrainian |
| General Function                 | Heartbeat,anti-banding,mirror,flash log,password reset via email,pixel counter                                                                                                                                                                                                                                                                        |
| 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)                                                                                                                                                                                                                                                                             |
| Material                         | Aluminum alloy body                                                                                                                                                                                                                                                                                                                                   |
| Dimension                        | 78.8 mm $\times$ 78.6 mm $\times$ 235.9 mm (3.1" $\times$ 3.1" $\times$ 9.3")                                                                                                                                                                                                                                                                         |
| Package Dimension                | 315 mm $\times$ 137 mm $\times$ 141 mm (12.4" $\times$ 5.4" $\times$ 5.6")                                                                                                                                                                                                                                                                            |
| Weight                           | Approx. 860 g (1.9 lb.)                                                                                                                                                                                                                                                                                                                               |
| With Package Weight              | Approx. 1250 g (2.8 lb.)                                                                                                                                                                                                                                                                                                                              |
| Approval                         |                                                                                                                                                                                                                                                                                                                                                       |
| EMC                              | FCC SDoC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015);<br>IC VoC (ICES-003: Issue 6, 2016);<br>KC (KN 32: 2015, KN 35: 2015)                                                                                                           |
| Safety                           | UL (UL 60950-1);<br>CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);<br>CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014);<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);<br>Reach (Regulation (EC) No 1907/2006)                                                                                                                                                                                                                                                                      |
| Protection                       | IP67 (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.                                                                                                                                  |

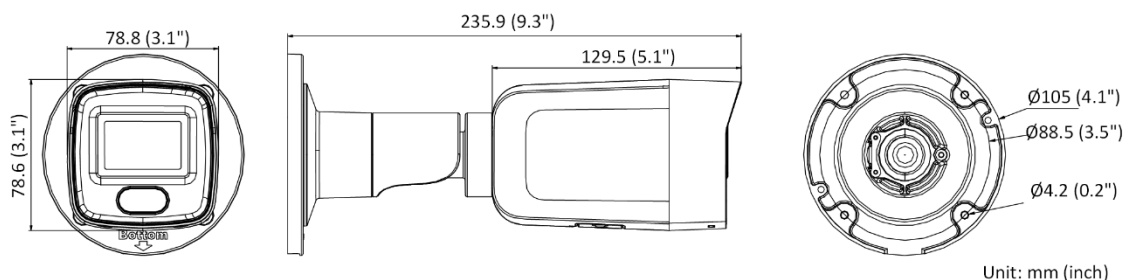
## ▪ Available Model

DS-2CD3047G2-LS(2.8mm)(C)

DS-2CD3047G2-LS(4mm)(C)

DS-2CD3047G2-LS(6mm)(C)

## ▪ Dimension



## ▪ Accessory

### ▪ Optional

| DS-1275ZJ-SUS<br>Vertical pole mount                                                | DS-1276ZJ-SUS<br>Corner mount                                                       | DS-1260ZJ<br>Junction box                                                           | DS-1280ZJ-S<br>Junction box                                                           | DS-1275ZJ-S-SUS<br>Vertical pole mount                                                |
|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
|  |  |  |  |  |

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