

**DS-2CD2047G3-LI2UY(Black)****4 MP Smart Hybrid Light with ColorVu Fixed Mini Bullet Network Camera**

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

- HiAI-ISP for excellent noise reduction effect
- 24/7 colorful imaging via ColorVu technology
- Scene-adaptive WDR
- Focus on Person and Vehicle classification based on deep learning
- Built-in arrayed dual-microphone for real-time high quality audio security
- Anti-corrosion design, providing reliability and longevity compared to standard (NEMA4X)
- Smart Hybrid Light: Integrates IR and White lights, 3 supplemental lighting modes
- Water and dust resistant (IP67)

## ▪ Specification

| Model       |                        | DS-2CD2047G3-LI2UY(Black)  |
|-------------|------------------------|--|
| Camera      | Image Sensor           | 1/1.8" Progressive Scan CMOS   |
|             | Max. Resolution        | 2688 × 1520  |
|             | Min. Illumination      | Color: 0.0001 Lux @ (F1.0, AGC ON), 0 Lux with light   |
|             | Shutter Time           | 1 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 111.1°, vertical FOV 57.6°, diagonal FOV 138.5°<br>4 mm, horizontal FOV 95.2°, vertical FOV 48.3°, diagonal FOV 117.4°  |
|             | Lens Mount             | M16  |
|             | Iris Type              | Fixed  |
|             | Aperture               | F1.0   |
|             | Depth of Field         | 2.8 mm: 2.5 m to ∞<br>4 mm: 3.1 m to ∞   |
| DORI        | DORI                   | 2.8 mm: D: 61 m, O: 24 m, R: 12 m, I: 6 m<br>4 mm: D: 75 m, O: 30 m, R: 15 m, I: 7 m   |
| Illuminator | Supplement Light Type  | White Light, IR  |
|             | Supplement Light Range | Up to 40 m   |
|             | Smart Supplement Light | Yes  |
|             | IR Wavelength          | 850 nm   |
| 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>*The third stream is supported under certain settings. |
|             | Video Compression      | Main stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264,<br>*Third stream is 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.264 and H.265 encoding  |
|         | Region of Interest (ROI)    | 1 fixed region for main stream  |
| Audio   | Audio Type                  | -2U: Mono sound   |
|         | Audio Compression           | -2U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC   |
|         | Audio Bit Rate              | -2U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/16 Kbps to 64 Kbps (AAC-LC)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)   |
|         | Audio Sampling Rate         | -2U: 8 kHz/16 kHz/32 kHz/48 kHz   |
|         | Environment Noise Filtering | -2U: Yes  |
| Network | Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets, SRTP, SFTP   |
|         | Simultaneous Live View      | Up to 6 channels  |
|         | API                         | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP   |
|         | User/Host                   | Up to 32 users<br>3 user 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 Open Network Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.1/1.2/1.3, host authentication (MAC address) |
|         | Network Storage             | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR)   |
|         | Client                      | iVMS-4200, Hik-Connect, Hik-Central   |
| Image   | Web Browser                 | Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+,<br>Local service: Chrome 80+, Firefox 80+, Edge 89+  |
|         | Image Parameters Switch     | Yes   |
|         | Image Settings              | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser   |
|         | Day/Night Switch            | Day, Night, Auto, Schedule  |
|         | Image Enhancement           | BLC, HLC, 3D DNR, Distortion Correction, Defog  |
|         | SNR                         | ≥ 52 dB   |
|         | Wide Dynamic Range (WDR)    | 130 dB  |
|         | Image Stabilization         | EIS   |
|         | Privacy Mask                | 4 programmable polygon privacy masks  |

|                               |                                  |   |
|-------------------------------|----------------------------------|---|
| <b>Interface</b>              | Ethernet Interface               | 1 RJ45 10 M/100 M self-adaptive Ethernet port   |
|                               | On-Board Storage                 | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB   |
|                               | Audio                            | Built-in Microphone:<br>-2U: Arrayed dual-microphone  |
|                               | Reset Key                        | Yes   |
| <b>Event</b>                  | Basic Event                      | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception   |
|                               | Linkage                          | Upload to FTP/NAS/memory card, notify surveillance center, trigger recording, trigger capture, send email   |
|                               | Smart Event                      | Scene change detection  |
| <b>Deep Learning Function</b> | Face Capture                     | Yes   |
|                               | Perimeter Protection             | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)   |
| <b>General</b>                | Power                            | 12 VDC $\pm$ 25%, 0.4 A, max. 4.8 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 6.5 W   |
|                               | Material                         | Front cover: metal, body: metal, bracket: metal   |
|                               | Dimension                        | $\varnothing$ 74.4 mm $\times$ 176.3 mm ( $\varnothing$ 2.93" $\times$ 6.94")   |
|                               | Package Dimension                | 234 mm $\times$ 120 mm $\times$ 117 mm (9.2" $\times$ 4.7" $\times$ 4.6")   |
|                               | Weight                           | Approx. 530 g (1.2 lb.)   |
|                               | With Package Weight              | Approx. 810 g (1.8 lb.)   |
|                               | 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                 | Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding   |
|                               | 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 |
| <b>Approval</b>               | EMC                              | CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015   |
|                               | Safety                           | UL: UL 62368-1, CB: IEC 62368-1:2014+A11, CE-LVD: EN 62368-1:2014/A11: 2017   |
|                               | Environment                      | CE-RoHS: 2011/65/EU   |
|                               | Protection                       | IP67: IEC 60529-2013  |
|                               | Anti-Corrosio                    | NEMA 4X (NEMA 250-2018)   |

n Protection

## ▪ 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.

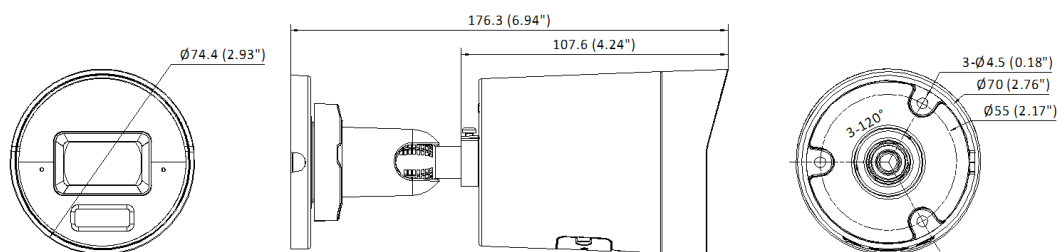
This model has MODERATE PROTECTION.

| 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-2CD2047G3-LI2UY(2.8mm)(BLACK)

## ▪ Dimension



Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

| DS-1276ZJ-SUS(Black)<br>Corner mount  | DS-1280ZJ-XS-Y(Black)<br>Junction box   | DS-1275ZJ-SUS(Black)<br>Vertical pole mount   |
|---|---|---|
|  |  |  |
|  |  |   |

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