

**DS-2CD3027G3E-LIU**  
**2 MP Fixed Mini Bullet Network Camera**

**ColorVu**

**AcuSense**



- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Efficient H.265+ compression technology
- Built-in microphone for real-time audio security
- Water and dust resistant (IP67)

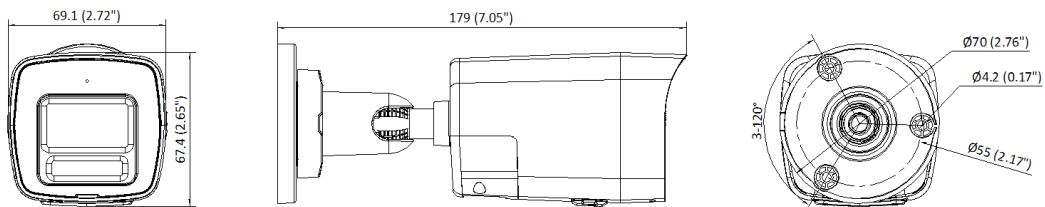
## ▪ Specification

| Camera                      |   |
|-----------------------------|---|
| Image Sensor                | 1/2.8" Progressive Scan CMOS  |
| Max. Resolution             | 1920 × 1080   |
| Min. Illumination           | Color: 0.0005 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 106°, vertical FOV 56°, diagonal FOV 129°<br>4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 103° |
| Lens Mount                  | M12   |
| Iris Type                   | Fixed   |
| Aperture                    | F1.0  |
| Depth of Field              | 2.8 mm: 1.2 m to ∞<br>4 mm: 1.3 m to ∞  |
| DORI                        |   |
| DORI                        | 2.8 mm, D: 44 m, O: 17 m, R: 8 m, I: 4 m<br>4 mm, D: 53 m, O: 21 m, R: 10 m, I: 5 m   |
| Illuminator                 |   |
| Supplement Light Type       | IR, White Light   |
| Supplement Light Range      | Up to 30 m  |
| Smart Supplement Light      | Yes   |
| IR Wavelength               | 850 nm  |
| Video                       |   |
| Main Stream                 | 50 Hz: 25 fps (1920 × 1080, 1280 × 720)<br>60 Hz: 30 fps (1920 × 1080, 1280 × 720)  |
| Sub-Stream                  | 50 Hz: 25 fps (640 × 480, 640 × 360)<br>60 Hz: 30 fps (640 × 480, 640 × 360)  |
| Third Stream                | 50 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 1 fps (1280 × 720, 640 × 480, 640 × 360)                                   |
| Video Compression           | Main stream: H.265+/H.265/H.264+/H.264,<br>Sub-stream: H.265/H.264/MJPEG,<br>Third stream: H.265/H.264                            |
| 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 and sub-stream   |
| Audio                       |   |
| Audio Type                  | Mono sound  |
| Audio Compression           | G.711/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  |
| <b>Network</b>                |  |
| Protocols                     | IPv4, IPv6, TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, UDP, QoS, FTP, SMTP, UPnP   |
| Simultaneous Live View        | Up to 6 channels   |
| API                           | ONVIF (Profile S, Profile T, Profile G), ISAPI, SDK  |
| User/Host                     | Up to 32 users<br>3 user levels: administrator, operator, and user   |
| Security                      | Password protection, complicated password, watermark, basic and digest authentication for HTTP, WSSE and digest authentication for Open Network Video Interface, security audit log, host authentication (MAC address) |
| Client                        | iVMS-4200, Hik-Connect   |
| Web Browser                   | Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+, Safari 11<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+   |
| <b>Image</b>                  |  |
| 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   |
| Wide Dynamic Range (WDR)      | 120 dB   |
| SNR                           | ≥ 52 dB  |
| Image Enhancement             | BLC, HLC, 3D DNR   |
| Privacy Mask                  | 4 programmable rectangle privacy masks   |
| <b>Interface</b>              |  |
| Ethernet Interface            | 1 RJ45 10 M/100 M self-adaptive Ethernet port  |
| On-Board Storage              | NA   |
| Built-in Microphone           | Yes, 1 built-in microphone   |
| Built-in Speaker              | NA   |
| Reset Key                     | NA   |
| <b>Event</b>                  |  |
| Basic Event                   | Motion detection (support alarm triggering by specified target types (human and vehicle)), network disconnected  |
| Smart Event                   | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle))  |
| Linkage                       | Upload to memory card, trigger recording, upload to FTP, notify surveillance center, send email, trigger capture, audible warning, flashing light  |
| <b>Deep Learning Function</b> |  |
| Perimeter Protection          | Line crossing, intrusion, region entrance, region exiting Support alarm triggering by specified target types (human and vehicle)   |
| <b>General</b>                |  |
| Power                         | 12 VDC ± 25%, 0.55 A, max. 6.6 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W  |
| Material                      | Front cover: metal, body: metal, bracket: metal  |
| Dimension                     | 179 mm × 69.1 mm × 67.4 mm (7.05" × 2.72" × 2.65")   |
| Package Dimension             | 216 mm × 121 mm × 118 mm (8.5" × 4.8" × 4.7")  |
| Weight                        | Approx. 445 g (0.98 lb.)   |

|                                  |  |
|----------------------------------|--|
| With Package Weight              | Approx. 610 g (1.34 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)  |
| Language                         | 10 languages :English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German                  |
| General Function                 | Heartbeat,anti-banding,mirror,password protection,password reset via email   |
| Flashing Light                   | NA   |
| <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 |
| Safety                           | CB: IEC 62368-1:2014+A11   |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006   |
| Protection                       | IP67:IEC 60529-2013  |

## ▪ Dimension



Unit: mm (inch)

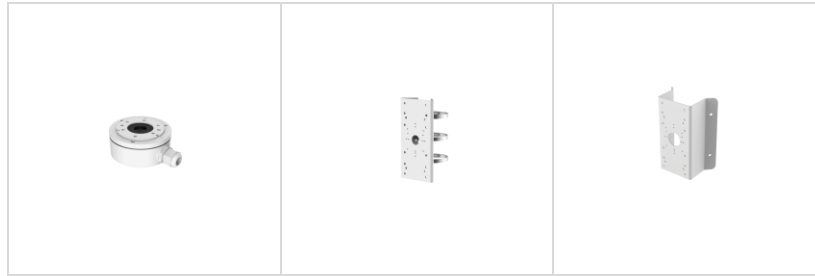
## ▪ Accessory

### ▪ Optional

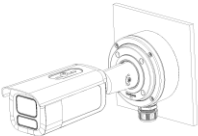
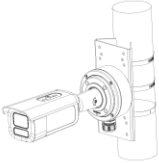
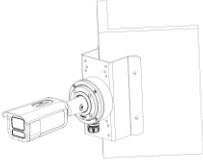
DS-1280ZJ-XS

DS-1275ZJ-SUS

DS-1276ZJ-SUS



▪ **Installation Methods**

| <b>Junction Box</b><br><b>DS-1280ZJ-XS</b>  | <b>Vertical Pole</b><br><b>Mounting</b><br><b>DS-1275ZJ-SUS+DS-12</b><br><b>80ZJ-XS</b> | <b>Corner Mounting</b><br><b>DS-1276ZJ-SUS+DS-12</b><br><b>80ZJ-XS</b>             |
|---|---|--|
|  |        |  |

# See Far, Go Further



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