

**DS-2CD1027G3-LIU(F)(/SL)(/SRB)  
2 MP ColorVu 3.0 Fixed Bullet Network Camera**

ColorVu 3.0



- HikAI-ISP for excellent noise reduction effect
- Super clear 24/7 colorful imaging with ColorVu 3.0 technology
- Motion Detection 3.0, more accurate on person and vehicle classification
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- -SL/-SRB: Provide real-time security via built-in two-way audio and strobe light alarm
- -F: Support on-board storage up to 512 GB (SD card slot) (Optional)
- Water and dust resistant (IP67)

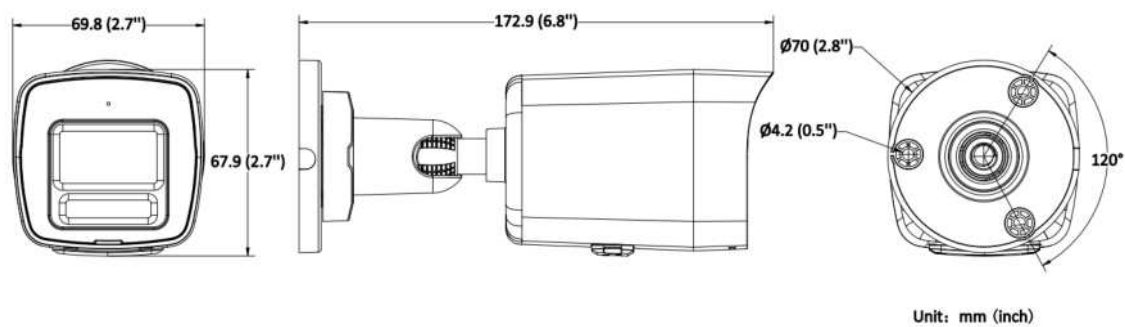
## ▪ Specification

| 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)                                                      |
| 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                                                                                                                          |
| 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.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3                                                                            |
| 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)/8 to 160 Kbps (MP3)               |
| Audio Sampling Rate         | 8 kHz/16 kHz                                                                                                                      |
| Environment Noise Filtering | Yes                                                                                                                               |

| Network                  |                                                                                                                                                                                                                        |
|--------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Protocols                | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IPv4, IPv6, IGMP, UDP, QoS, FTP, SMTP                                                                                                                             |
| Simultaneous Live View   | Up to 6 channels                                                                                                                                                                                                       |
| API                      | ONVIF (ProfileS, Profile G, Profile T), 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 required live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+<br>Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+                                                                                 |
| Image                    |                                                                                                                                                                                                                        |
| 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 rectangular privacy masks                                                                                                                                                                               |
| Transducer               |                                                                                                                                                                                                                        |
| Transducer Type          | NA                                                                                                                                                                                                                     |
| Detection Angle          | NA                                                                                                                                                                                                                     |
| Detection Range          | NA                                                                                                                                                                                                                     |
| Interface                |                                                                                                                                                                                                                        |
| Ethernet Interface       | 1 RJ45 10 M/100 M self-adaptive Ethernet port                                                                                                                                                                          |
| On-Board Storage         | DS-2CD1027G3-LIU(F)/(SL)/(SRB): -LIU、LIU/S(L)(RB) : NA<br>-LIUF、LIUF/S(L)(RB) : Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB<br>NA                                                |
| Built-in Microphone      | Yes, 1 built-in microphone                                                                                                                                                                                             |
| Built-in Speaker         | DS-2CD1027G3-LIU(F)/(SL)/(SRB): -LIU、-LIUF: NA<br>-LIU/S(L)(RB)、-LIUF/S(L)(RB): Max. power consumption: 1.5 W, max. sound pressure level: 10 cm: 98 dB<br>NA                                                           |
| Audio                    | NA                                                                                                                                                                                                                     |
| Alarm                    | NA                                                                                                                                                                                                                     |
| Reset Key                | DS-2CD1027G3-LIU(F)/(SL)/(SRB): -LIU、LIU/S(L)(RB) : NA<br>-LIUF、LIUF/S(L)(RB) : YES<br>NA                                                                                                                              |
| Event                    |                                                                                                                                                                                                                        |
| Basic Event              | Motion detection (support alarm triggering by specified target types (person and vehicle)), video tampering alarm, exception                                                                                           |

|                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Linkage                          | Upload to memory card/FTP,notify surveillance center,send email,trigger capture                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Power                            | DS-2CD1027G3-LIU(F)(/SL)(/SRB):-LIU: 12 VDC $\pm$ 25%, 0.55 A, max. 6.6 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.0 W, -LIUF: 12 VDC $\pm$ 25%, 0.57 A, max. 6.9 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.5 W, -LIU/S(L)(RB), -LIUF/S(L)(RB): 12 VDC $\pm$ 25%, 0.72 A, max. 8.9 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 10.5 W 12 VDC $\pm$ 25%, 0.55 A, max. 6.6 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8 W |
| Material                         | Front cover: metal, body: plastic, bracket: plastic                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Dimension                        | DS-2CD1027G3-LIU(F)(/SL)(/SRB):-LIU, -LIUF: 69.1 mm $\times$ 66.9 mm $\times$ 172.9 mm (2.7" $\times$ 2.6" $\times$ 6.8")<br>-LIU/S(L)(RB), -LIUF/S(L)(RB): 69.1 mm $\times$ 67.4 mm $\times$ 179 mm (2.7" $\times$ 2.7" $\times$ 7.1")<br>69.1 mm $\times$ 66.9 mm $\times$ 172.9 mm (2.7" $\times$ 2.6" $\times$ 6.8")                                                                                                                                                                                                                                                                                                                                                                |
| Package Dimension                | 216 mm $\times$ 121 mm $\times$ 118 mm (8.5" $\times$ 4.8" $\times$ 4.7")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Weight                           | -LIU: Approx. 330 g (0.73 lb.)<br>-LIUF: Approx. 335 g (0.74 lb.)<br>-LIU(F)/SL: Approx. 450 g (0.99 lb.)<br>-LIU(F)/SRB: Approx. 450 g (0.99 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| With Package Weight              | -LIU: Approx. 445 g (0.98 lb.)<br>-LIUF: Approx. 450 g (0.99 lb.)<br>-LIU(F)/SL: Approx. 480 g (1.06 lb.)<br>-LIU(F)/SRB: Approx. 480 g (1.06 lb.)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Storage Conditions               | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Startup and Operating Conditions | -30 $^{\circ}$ C to 60 $^{\circ}$ C (-22 $^{\circ}$ F to 140 $^{\circ}$ F). Humidity 95% or less (non-condensing)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Language                         | English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| General Function                 | Heartbeat,mirror,flash log,password reset via email,password protection,anti-banding                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Flashing Light                   | DS-2CD1027G3-LIU(F)(/SL)(/SRB):-LIU, -LIUF: NA<br>-LIU(F)/SL: White Light<br>-LIU(F)/SRB: Red and Blue Light<br>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

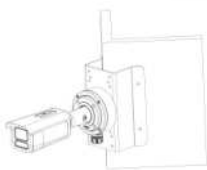


▪ **Accessory**

▪ **Optional**

| DS-1280ZJ-XS                                                                       | DS-1275ZJ-SUS                                                                      | DS-1276ZJ-SUS                                                                        |
|------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|
|  |  |  |

▪ **Installation Methods**

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

# See Far, Go Further



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