

## DS-2CD2021G0-LIU(B) 2 MP Smart Hybrid Light Fixed Bullet Network Camera



- HikAI-ISP for well noise reduction, color correction and image quality improvement
- Motion Detection 3.0 detects persons and vehicles more accurately, reducing false alarms
- Smart Hybrid Light: integrates IR and white lights, 3 supplemental lighting modes
- Built-in microphone for real-time audio security
- Dust and water resistant (IP67)

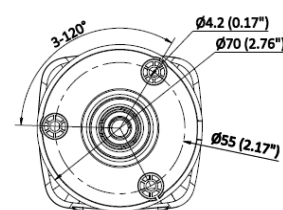
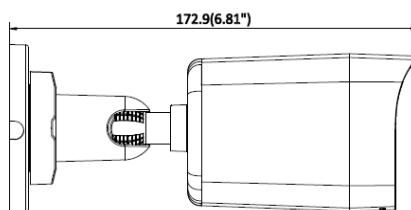
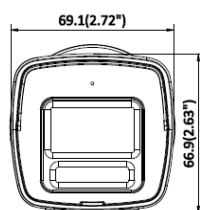
## ▪ Specification

| Camera                      |                                                                                                                                   |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.9" Progressive Scan CMOS                                                                                                      |
| Max. Resolution             | 1920 × 1080                                                                                                                       |
| Min. Illumination           | Color: 0.003 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                                             |
| 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 104°, vertical FOV 57°, diagonal FOV 121°<br>4 mm, horizontal FOV 84°, vertical FOV 45°, diagonal FOV 100° |
| Lens Mount                  | M12                                                                                                                               |
| Iris Type                   | Fixed                                                                                                                             |
| Focus                       | NA                                                                                                                                |
| Aperture                    | F1.6                                                                                                                              |
| Depth of Field              | 2.8 mm: 1.1 m to ∞<br>4 mm: 1.2 m to ∞                                                                                            |
| DORI                        |                                                                                                                                   |
| DORI                        | 2.8 mm, D: 45 m, O: 18 m, R: 9 m, I: 4 m<br>4 mm, D: 56 m, O: 22 m, R: 11 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: 24 fps (640 × 480, 640 × 360)                                                      |
| Third Stream                | NA                                                                                                                                |
| 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) | YES                                                                                                                               |
| Region of Interest (ROI)    | 1 fixed regions for each stream                                                                                                   |
| Target Cropping             | NO                                                                                                                                |
| Audio                       |                                                                                                                                   |
| Audio Type                  | Mono sound                                                                                                                        |
| Audio Compression           | -U: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC                                                                                      |
| Audio Bit Rate              | -U: 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)                 |

|                               |                                                                                                                                                                                                                        |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Audio Sampling Rate           | -U: 8 kHz/16 kHz                                                                                                                                                                                                       |
| Environment Noise Filtering   | -U: Yes                                                                                                                                                                                                                |
| <b>Network</b>                |                                                                                                                                                                                                                        |
| Protocols                     | DHCP,QoS,FTP,SSL/TLS,ICMP,RTSP,UDP,HTTPS,HTTP,DNS,IPv6,IPv4,IGMP,RTCP,RTP,DDNS,TCP/IP,UPnP,NTP,SMTP                                                                                                                    |
| Simultaneous Live View        | Up to 6 channels                                                                                                                                                                                                       |
| API                           | ISAPI,EZVIZ,ONVIF,ISUP,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) |
| Network Storage               | NO                                                                                                                                                                                                                     |
| Client                        | iVMS-4200,Hik-Connect                                                                                                                                                                                                  |
| Web Browser                   | Plug-in required live view: Chrome 91+, Firefox 88+, Edge 91+                                                                                                                                                          |
| <b>Image</b>                  |                                                                                                                                                                                                                        |
| Image Settings                | Rotate mode,saturation,brightness,contrast,sharpness,gain,white balance,AGC,adjustable by client software or web browser                                                                                               |
| Day/Night Switch              | Day,Night,Auto,Schedule                                                                                                                                                                                                |
| Wide Dynamic Range (WDR)      | Digital WDR                                                                                                                                                                                                            |
| SNR                           | ≥ 52 dB                                                                                                                                                                                                                |
| Image Enhancement             | BLC,HLC,3D DNR                                                                                                                                                                                                         |
| 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              | NA                                                                                                                                                                                                                     |
| Built-in Microphone           | Yes,1 built-in microphone                                                                                                                                                                                              |
| Built-in Speaker              | NA                                                                                                                                                                                                                     |
| Audio                         | NA                                                                                                                                                                                                                     |
| Alarm                         | NA                                                                                                                                                                                                                     |
| Reset Key                     | NA                                                                                                                                                                                                                     |
| <b>Event</b>                  |                                                                                                                                                                                                                        |
| Basic Event                   | Video tampering alarm, motion detection (support alarm triggering by specified target types (human, vehicle)), exception                                                                                               |
| Smart Event                   | NO                                                                                                                                                                                                                     |
| Linkage                       | Upload to FTP/memory card, notify surveillance center, send email, trigger recording, trigger capture                                                                                                                  |
| <b>Deep Learning Function</b> |                                                                                                                                                                                                                        |
| Perimeter Protection          | NO                                                                                                                                                                                                                     |
| Face Capture                  | NO                                                                                                                                                                                                                     |
| <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. 8.0 W                                                                                      |
| Dimension                     | 69.1 mm × 66.9 mm × 172.9 mm (2.72" × 2.63" × 6.81")                                                                                                                                                                   |
| Package Dimension             | 216 mm × 121 mm × 118 mm (8.50" × 4.76" × 4.65")                                                                                                                                                                       |

|                                  |                                                                                                                          |
|----------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Weight                           | Approx. 290 g (0.64 lb.)                                                                                                 |
| With Package Weight              | -LIU(F): Approx. 450 g (0.99 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                         | English, Russian, Ukrainian, Arabic, Spanish, French, Portuguese, Turkish, Polish, German                                |
| General Function                 | Heartbeat, mirror, password reset via email, password protection, anti-banding                                           |
| 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,<br>CE-LVD: EN 62368-1: 2014/A11: 2017                                                         |
| Environment                      | CE-RoHS: 2011/65/EU,<br>WEEE: 2012/19/EU,<br>Reach: Regulation (EC) No 1907/2006                                         |
| Protection                       | IP67: IEC 60529-2013                                                                                                     |

## ▪ Dimension



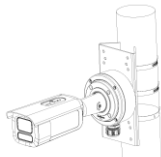
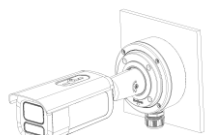
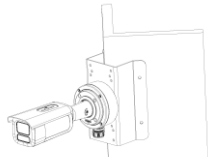
Unit: mm (inch)

▪ **Accessory**

▪ **Optional**

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

▪ **Installation Methods**

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

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