

## DS-2CD1623G2-LIZ(S)U 2 MP Smart Hybrid Light Varifocal Bullet Network Camera



- High quality imaging with 2 MP resolution
- Support Human and Vehicle Detection
- Smart Hybrid Light: advanced technology with long range
- Clear imaging even with strong back lighting due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Support on-board storage up to 512 GB (SD card slot)
- Built-in microphone for real-time audio security
- 2.8 to 12 mm motorized varifocal lens for easy installation and monitoring
- Water and dust resistant (IP67)

## ▪ Specification

| Camera                      |                                                                                                               |
|-----------------------------|---------------------------------------------------------------------------------------------------------------|
| Image Sensor                | 1/2.9" Progressive Scan CMOS                                                                                  |
| Max. Resolution             | 1920 × 1080                                                                                                   |
| Min. Illumination           | Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR                                                         |
| Shutter Time                | 1/3 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                   | Varifocal lens, motorized lens, 2.8 to 12 mm                                                                  |
| Focal Length & FOV          | 2.8 to 12 mm, horizontal FOV 102.4° to 31.2°, vertical FOV 54.4° to 17.5°, diagonal FOV 121.8° to 35.7°       |
| Lens Mount                  | Ø14                                                                                                           |
| Iris Type                   | Fixed                                                                                                         |
| Aperture                    | F1.6                                                                                                          |
| DORI                        |                                                                                                               |
| DORI                        | D: 45.7 to 141.4 m, O: 18.1 to 56.1 m, R: 9.1 to 28.3 m, I: 4.6 to 14.1 m                                     |
| Illuminator                 |                                                                                                               |
| Supplement Light Type       | IR, White Light                                                                                               |
| Supplement Light Range      | Up to 50 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,<br>Sub-stream: H.265/H.264/MJPEG                                      |
| Video Bit Rate              | 32 Kbps to 16 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                  | Mono sound                                                                                                    |
| Audio Compression           | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/AAC-LC                                                            |
| Audio Bit Rate              | 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         | 8 kHz/16 kHz                                                                                                  |
| Environment Noise Filtering | Yes                                                                                                           |
| Network                     |                                                                                                               |
| Protocols                   | TCP/IP, ICMP, DHCP, DNS, HTTP, RTP, RTSP, RTCP, NTP, IGMP, IPv6, UDP, QoS, FTP, SMTP                          |

|                                  |                                                                                                                                                                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Simultaneous Live View           | Up to 6 channels                                                                                                                                                                                                                                                                      |
| API                              | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK                                                                                                                                                                                                            |
| 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)                                                                |
| User/Host                        | Up to 32 users<br>3 user levels: administrator, operator, and user                                                                                                                                                                                                                    |
| Client                           | iVMS-4200, Hik-Connect                                                                                                                                                                                                                                                                |
| Web Browser                      | Plug-in required live view: IE 10, IE 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)         | 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                 | Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB                                                                                                                                                                                                     |
| Built-in Microphone              | Yes, 1 built-in microphone                                                                                                                                                                                                                                                            |
| Audio                            | -S: 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium<br>-S: 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm                            | -S: 1 input, 1 output (max. 12 VDC, 30 mA)                                                                                                                                                                                                                                            |
| 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/memory card, notify surveillance center, send email, trigger recording, trigger capture, audible warning, (-S model) trigger alarm output                                                                                                                               |
| <b>General</b>                   |                                                                                                                                                                                                                                                                                       |
| Power                            | 12 VDC ± 25%, 0.9 A, max. 11 W, Ø5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3af, Class 3, max. 12.9 W                                                                                                                                                   |
| Material                         | Metal & Plastic                                                                                                                                                                                                                                                                       |
| Dimension                        | Ø105 mm × 252 mm (Ø4.13" × 9.92")                                                                                                                                                                                                                                                     |
| Package Dimension                | 315 mm × 137 mm × 141 mm (12.40" × 5.39" × 5.55")                                                                                                                                                                                                                                     |
| Weight                           | Approx. 570 g (1.3 lb.)                                                                                                                                                                                                                                                               |
| With Package Weight              | Approx. 900 g (2.0 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                         | Polish                                                                                                                                                                                                                                                                                |

|                  |                                                                                                                                                                                   |
|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General Function | Heartbeat, mirror, password reset via email, password protection, anti-banding                                                                                                    |
| <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,<br>RCM: AS/NZS CISPR 32: 2015,<br>IC: ICES-003: Issue 7 |
| Safety           | UL: UL 62368-1,<br>CB: IEC 62368-1: 2014+A11,<br>CE-LVD: EN 62368-1: 2014/A11: 2017,<br>BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005                                            |
| Environment      | CE-RoHS: 2011/65/EU,<br>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.

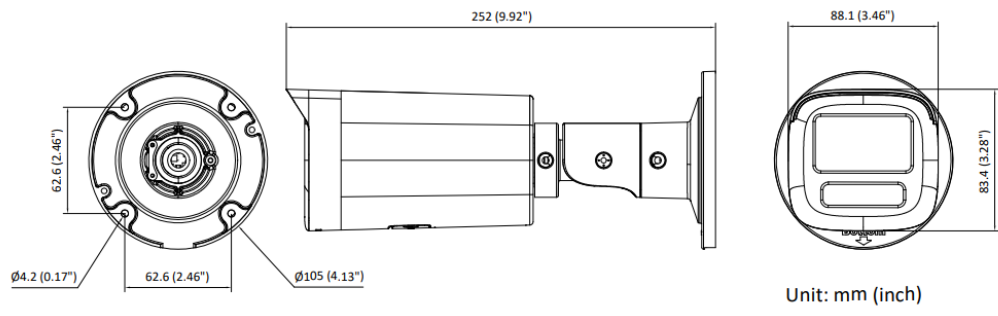
This model has NO SPECIFIC PROTECTION.

| 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-2CD1623G2-LIZU 2.8-12mm PL

▪ 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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