# HIKVISION

## DS-2CD2687G2T-LZS
## 8 MP ColorVu Varifocal Bullet Network Camera

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

- High quality imaging with 8 MP resolution
- Motorized varifocal lens for easy installation and monitoring
- 24/7 colorful imaging
- Efficient H.265+ compression technology
- Clear imaging against strong backlight due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- Water and dust resistant (IP67) and vandal resistant (IK10)

## ▪ Specification

| Camera | |
|---|---|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Min. Illumination | Color: 0.0008 Lux @ (F1.0, AGC ON), 0 Lux with light |
| Shutter Time | 1/3 s to 1/100,000 s |
| Day & Night | 24/7 color imaging |
| Angle Adjustment | Pan: 0° to 355°, 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 103.3° to 40°, vertical FOV 52.7°to 22.3°, diagonal FOV 127.9°to 46.1° |
| Lens Mount | Integrated |
| Focus | Auto, Semi-auto, Manual |
| Iris Type | DC iris |
| Aperture | Max. F1.0 |
| Depth of Field | 2.4 m to ∞ |
| **DORI** | |
| DORI | Wide: D: 96 m, O: 38.1 m, R: 19.2 m, I: 9.6 m |
| | Tele: D: 160 m, O: 63.5 m, R: 32.0 m, I: 16 m |
| **Illuminator** | |
| Supplement Light Type | White Light |
| Supplement Light Range | Up to 60 m |
| Smart Supplement Light | Yes |
| **Video** | |
| Main Stream | 50 Hz: <br> 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) <br> 60 Hz: <br> 24 fps (3840 × 2160) <br> 30 fps (3200 × 1800, 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) |
| 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 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(s) for main stream and sub-stream |
| **Audio** | |
| Audio Type | Mono sound |

| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |
|---|---|
| Audio Bit Rate | 64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| **Network** | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP, WebSocket, WebSockets |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (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 1.2, TLS 1.3, host authentication (MAC address) |
| Network Storage | NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),<br>Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE 10, IE 11,<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,<br>Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+ |
| **Image** | |
| 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 |
| Wide Dynamic Range (WDR) | 130 dB |
| SNR | ≥ 52 dB |
| Image Enhancement | BLC, HLC, 3D DNR |
| Privacy Mask | 4 regions of privacy mask |
| **Interface** | |
| 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 | 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium,<br>1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | 1 input(s), 1 output(s) (max. 24 VDC/24 VAC, 1 A) |
| Reset Key | Yes |

| Event | |
|---|---|
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggered by specified target types (human and vehicle)), scene change detection |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger recording, trigger capture, supplement light, audible warning, trigger alarm output |
| **Deep Learning Function** | |
| Face Capture | Yes |
| **General** | |
| Power | 12 VDC ± 25%, 1.21 A, max. 14.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3at, Class 4, 42.5 V to 57 V, 0.43 A to 0.32 A, max. 18 W |
| Material | Aluminum alloy body |
| Dimension | 298 mm × 97.9 mm × 95.7 mm (11.8" × 3.9" × 3.8") |
| Package Dimension | 385 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1") |
| Weight | Approx. 1465 g (3.2 lb.) |
| With Package Weight | Approx. 2081 g (4.6 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 | 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 |
| General Function | Heartbeat, anti-banding, mirror, flash log, password reset via email, pixel counter, password protection, one-key reset, three streams |
| **Approval** | |
| EMC | FCC: 47 CFR Part 15, Subpart B, CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN 50130-4: 2011 +A1: 2014, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7 |
| 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, WEEE: 2012/19/EU |
| Protection | IP67: IEC 60529-2013, IK10: IEC 62262:2002 |

## ▪ 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.

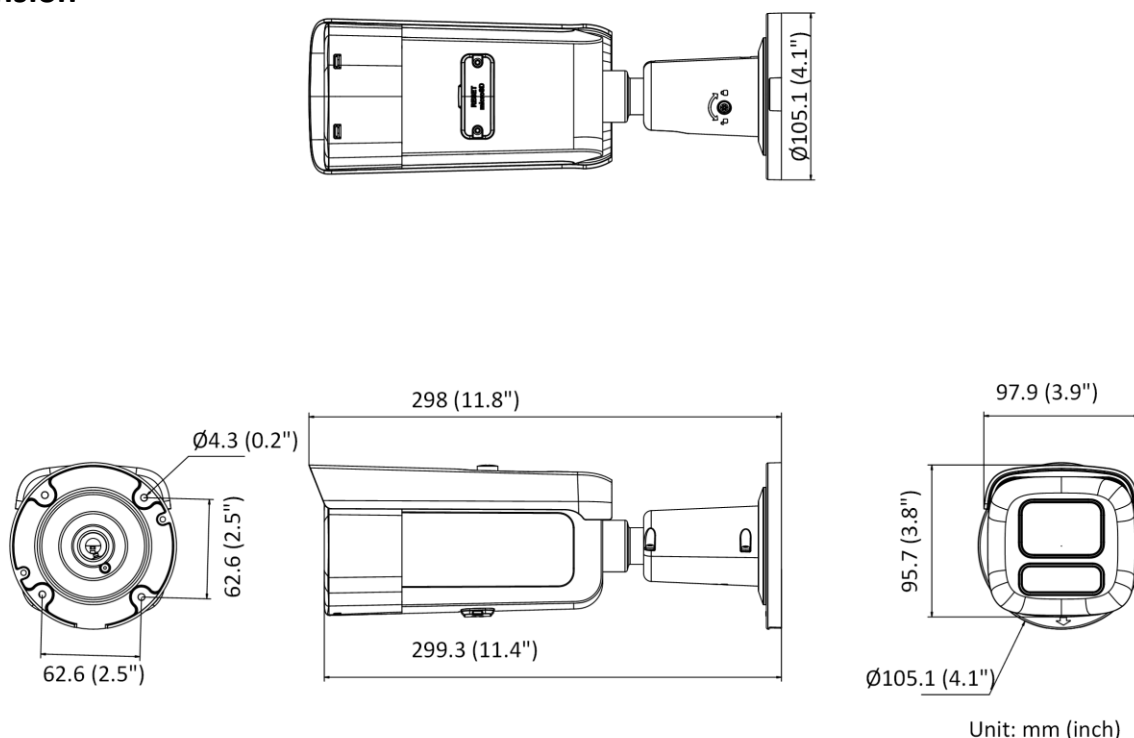This model has NO SPECIFIC PROTECTION.

| 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-2CD2687G2T-LZS(2.8-12mm)(C)

DS-2CD2687G2T-LZS/2.8-12mm/C/Black

## ▪ Dimension



Unit: mm (inch)

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## ▪ Accessory

### ▪ Optional

| DS-1275ZJ-SUS(Black) Vertical Pole Mount | DS-1280ZJ-S(Black) Junction Box | DS-1276ZJ-SUS(Black) Corner Mount | DS-1260ZJ(Black) Junction Box | DS-1275ZJ-SUS Vertical Pole Mount |
|---|---|---|---|---|
|  |  |  |  |  |
| **DS-1276ZJ-SUS Corner Mount** | **DS-1275ZJ-S-SUS Vertical Pole Mount** | **DS-1260ZJ Junction Box** | **DS-1275ZJ-SUS Vertical Pole Mount** | **DS-1280ZJ-S Junction Box** |
|  |  |  |  |  |
| **DS-1275ZJ-S-SUS Vertical Pole Mount** | **DS-1275ZJ-S-SUS Vertical Pole Mount** | **DS-1275ZJ-SUS Vertical Pole Mount** | **DS-1276ZJ-SUS Corner Mount** | **DS-1276ZJ-SUS Corner Mount** |
|  |  |  |  |  |

*Please choose accessories of the same color as the camera.*

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