# HIKVISION®

## DS-2CD2T87G2-LSU/SL
### 8 MP ColorVu Strobe Light and Audible Warning Fixed Bullet Network Camera

ColorVu

**4K** | **130dB WDR** | **IP67** | | | **24 Color**

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
- 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
- 24/7 colorful imaging
- Active strobe light and audio alarm to warn intruders off
- Provide real-time security via built-in two-way audio
- Audio and alarm interface available
- Water and dust resistant (IP67)

## ▪ Specification

| Camera | |
|---|---|
| Image Sensor | 1/1.2" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Min. Illumination | Color: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light |
| Shutter Time | 1/3 s to 1/100,000 s |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 90°, rotate: 0° to 360° |
| Day ＆ Night | 24/7 color imaging |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8, 4, 6 mm optional |
| Focal Length ＆ FOV | 2.8 mm, horizontal FOV 102°, vertical FOV 52°, diagonal FOV 124°<br>4 mm, horizontal FOV 88°, vertical FOV 47°, diagonal FOV 104°<br>6 mm: horizontal FOV 54°, vertical FOV 30°, diagonal FOV 62° |
| Iris Type | Fixed |
| Lens Mount | M mount |
| Aperture | F1.0 |
| Depth of Field | 2.8 mm: 4.5 m to ∞<br>4 mm: 7 m to ∞<br>6 mm: 13 m to ∞ |
| **DORI** | |
| DORI | 2.8 mm: D: 96 m, O: 38 m, R: 19 m, I: 9 m<br>4 mm: D: 102 m, O: 40 m, R: 20 m, I: 10 m<br>6 mm, D: 167 m, O: 66 m, R: 33 m, I: 16 m |
| **Illuminator** | |
| Supplement Light Type | White Light |
| Supplement Light Range | 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 x 1800 , 2688 × 1520, 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: 10 fps (1920 x 1080 , 1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1920 x 1080 , 1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265/H.264/H.264+/H.265+<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) | Yes |

| Region of Interest (ROI) | 1 fixed region for main stream and sub-stream |
|---|---|
| **Network** | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Security | Password protection, complicated password, HTTPS encryption, IP address filter, Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2, WSSE and digest authentication for Open Network Video Interface |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) |
| 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+<br>Local service: Chrome 57.0+, Firefox 52.0+ |
| **Image** | |
| Image Parameters Switch | Yes |
| Image Settings | Rotate, mirror, privacy mask, 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 | 8 programmable polygon privacy masks, mask color or mosaic configurable |
| **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/TF card, up to 256 GB |
| Reset Key | Yes |
| Built-in Microphone | Yes |
| Built-in Speaker | 2 W, 10 cm: 97 dB |
| Audio | 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance:4.7 KΩ, interface type: non-equilibrium<br>1 output (line out), max.output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | 1 input, 1 output (max. 24 VDC, 1 A) |
| **Event** | |
| Basic Event | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error) |
| Smart Event | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (support alarm triggering by specified target types (human and vehicle)), scene change detection |
| Linkage | Upload to NAS/memory card/FTP, notify surveillance center, trigger record, trigger capture, send email |

| Deep Learning Function | |
|---|---|
| Face Capture | Yes |
| **General** | |
| Power | 12 VDC ± 25%, 0.84 A, max. 11.5 W, Ø5.5 mm coaxial power plug, reverse polarity protection<br>PoE: 802.3af, Class 3, 36 V to 57 V, 0.32 A to 0.21 A |
| Material | Front cover: metal, body: metal, bracket: metal |
| Dimension | 289.9 mm × 93.5 mm × 91.2 mm (11.4" × 3.7" × 3.6") |
| Package Dimension | 386 × 156 × 155 mm (15.2" × 6.1" × 6.1") |
| Weight | Approx. 1255 g (2.6 lb.) |
| With Package Weight | Approx. 1769 g (3.7 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<br>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 | Anti-flicker, heartbeat, password reset via e-mail, pixel counter |
| **Approval** | |
| EMC | FCC (47 CFR Part 15, Subpart B);<br>CE-EMC (EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3:2013+A1:2019, EN 50130-4: 2011 +A1: 2014);<br>RCM (AS/NZS CISPR 32: 2015);<br>IC (ICES-003: Issue 7)<br>KC (KN32: 2015, KN35: 2015) |
| Safety | UL (UL 62368-1);<br>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) |

### ▪ Available Model
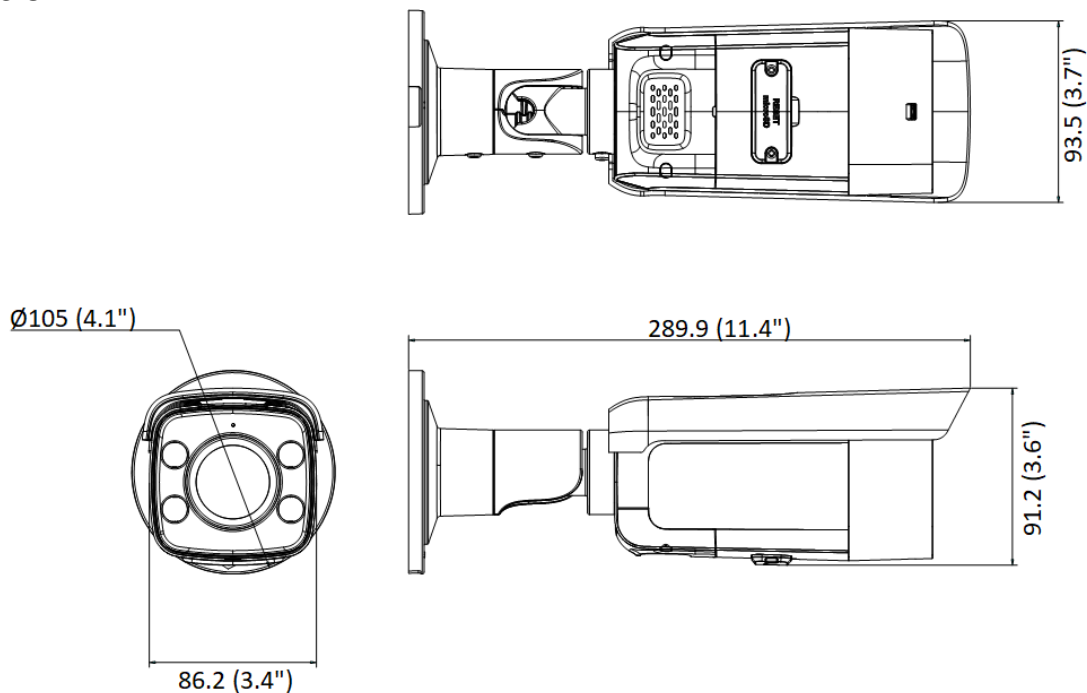DS-2CD2T87G2-LSU/SL (2.8/4/6 mm)

### ▪ 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. |

## ▪ Dimension



Unit:mm (inch)

## ▪ Accessory

### ▪Optional

| DS-1276ZJ-SUS<br>Corner Mount | DS-1275ZJ-SUS<br>Vertical Pole Mount | DS-1275ZJ-S-SUS<br>Vertical Pole Mount | DS-1280ZJ-S<br>Junction Box | DS-1260ZJ<br>Junction Box |
|:---:|:---:|:---:|:---:|:---:|
|  |  |  |  |  |

**HIKVISION**

Distributed by

**HIKVISION**

**Hikvision USA**
T +1-909-895-0400
sales.usa@hikvision.com

**Hikvision Europe**
T +31-23-5542770
sales.eu@hikvision.com

**Hikvision UK & Ireland**
T +01628-902140
sales.uk@hikvision.com

**Hikvision UAE**
T +971-4-4432090
salesme@hikvision.com

**Hikvision Russia**
T +7-495-669-67-99
saleru@hikvision.com

**Hikvision Australia**
T +61-2-8599-4233
salesau@hikvision.com

**Hikvision Italy**
T +39-0438-6902
info.it@hikvision.com

**Hikvision South Africa**
Tel: +27 (10) 0351172
sale.africa@hikvision.com

**Hikvision Singapore**
T +65-6684-4718
sg@hikvision.com

**Hikvision Korea**
T +82-(0)31-731-8817
sales.korea@hikvision.com

**Hikvision India**
T +91-22-28469900
sales@pramahikvision.com

**Hikvision Brazil**
T +55 11 3318-0050
Latam.support@hikvision.com

**Hikvision France**
T +33(0)1-85-330-450
info.fr@hikvision.com

**Hikvision Spain**
T +34-91-737-16-55
info.es@hikvision.com

**Hikvision Poland**
T +48-22-460-01-50
info.pl@hikvision.com

**Hikvision Canada**
T +1-866-200-6690
sales.canada@hikvision.com

**Hikvision Turkey**
T +90 (216)521 7070- 7074
sales.tr@hikvision.com

**Hikvision Kazakhstan**
T +7-727-9730667
nikia.panfilov@hikvision.ru

**Hikvision Tashkent**
T +99-87-1238-9438
uzb@hikvision.ru

**Hikvision Indonesia**
T +62-21-2933759
Sales.Indonesia@hikvision.com

**Hikvision Thailand**
T +662-275-9949
sales.thailand@hikvision.com

**Hikvision Malaysia**
T +601-7652-2413
sales.my@hikvision.com

**Hikvision Vietnam**
T +84-974270888
sales.vt@hikvision.com

**Hikvision Hong Kong**
T +852-2151-1761
info.hk@hikvision.com

**Hikvision Colombia**
sales.colombia@hikvision.com

**050511520211119**