# DS-2CD3387G2-LSU

## 8 MP ColorVu Fixed Turret Network Camera

ColorVu

- High quality imaging with 8 MP resolution

- Efficient H.265+ compression technology

- Clear imaging against strong backlight due to 130 dB WDR technology

- Built-in microphone for real-time audio security

- Focus on human and vehicle targets classification based on deep learning

- 24/7 colorful imaging

- Water and dust resistant (IP67)

## ▪ Specification

| Camera | |
|---|---|
| Image Sensor | 1/1.2" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Min. Illumination | Color：0.0005 Lux @ (F1.0, AGC ON) |
| Day & Night | 24/7 Color imaging |
| Angle Adjustment | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360° |
| **Lens** | |
| Lens Type | Fixed focal lens, 2.8 and 4 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° |
| Lens Mount | M16 |
| Iris Type | Fixed |
| Aperture | F1.0 |
| Depth of Field | 2.8 mm: 3.1 m to ∞<br>4 mm: 3.6 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 |
| **Illuminator** | |
| Supplement Light Type | White Light |
| Supplement Light Range | Up to 40 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 (640 × 480, 640 × 360)<br>60 Hz: 30 fps (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)<br>*Third stream is supported under certain settings. |
| Fourth Stream | 50 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)<br>60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)<br>*Fourth stream is supported under certain settings. |
| 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<br>Fourth stream: H.265/H.264/MJPEG<br>*Third stream and fourth stream are supported under certain settings. |
| 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) | 5 fixed regions for main stream and sub-stream |
| **Audio** | |
| Audio Type | Mono sound |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC |
| 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) |
| **Network** | |
| 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 |
| Simultaneous Live View | Up to 6 channels |
| API | Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK , ISUP |
| 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, ARP, SNMP |
| User/Host | Up to 32 users. 3 user levels: administrator, operator and user |
| Network Storage | NAS (NFS, SMB/CIFS), auto network replenishment (ANR) 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+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ |
| **Image** | |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Privacy Mask | 8 programmable polygon privacy masks, mask color or mosaic configurable |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Target Cropping | Yes |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Parameters Switch | Yes |
| Image Settings | Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| **Interface** | |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port |
| On-Board Storage | Built-in memory card slot, support microSD/SDHC/SDXC/TF card, up to 256 GB |
| Built-in Microphone | Yes |
| Audio | 1 input (line in), max. input amplitude: 3.3 vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium; 1 output (line out), max. output amplitude: 3.3 vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound |

| | |
|---|---|
| Alarm | 1 input, 1 output (max. 12 VDC, 30 mA) |
| Power Output | 12 VDC, max. 100 mA |
| **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, send email, trigger recording, trigger capture, trigger alarm output, audible warning |
| **Deep Learning Function** | |
| Face Capture | Yes |
| **General** | |
| Power | 12 VDC, 0.47 A, max. 5.6 W<br>PoE: 802.3af, 36 V to 57 V, 0.18 A to 0.12 A, max. 6.6 W |
| Material | Cover: metal, main body: metal |
| Dimension | Ø138.3 mm × 120.1 mm (Ø5.4" × 4.7") |
| Package Dimension | 170 mm × 170 mm × 150 mm (6.7" × 6.7" × 5.9") |
| Weight | Approx. 910 g (2 lb.) |
| With Package Weight | Approx. 1190 g (2.6 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<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, mirror, flash log, password reset via email, pixel counter |
| Software Reset | Yes |
| **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

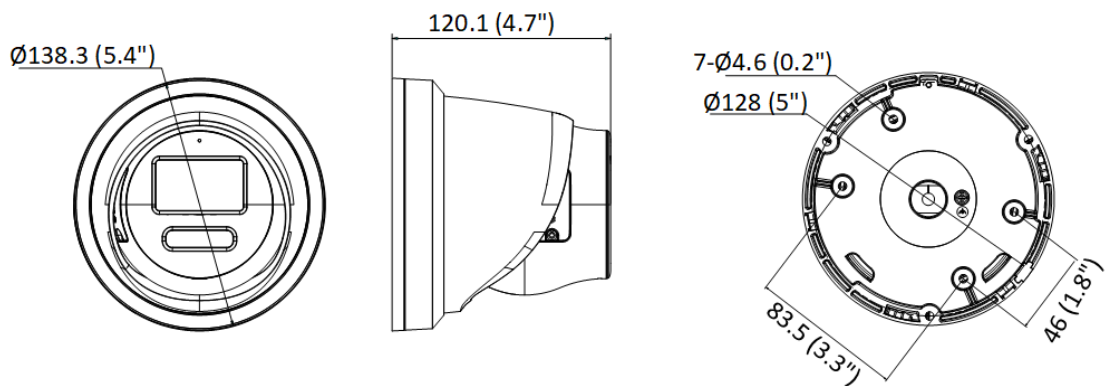DS-2CD3387G2-LSU (2.8/4 mm)

## ▪ 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

Model With Mic



Ø138.3 (5.4")

120.1 (4.7")

7-Ø4.6 (0.2")
Ø128 (5")
83.5 (3.3")
46 (1.8")

Unit: mm (inch)

## ▪ Accessory

▪**Optional**

| DS-1273ZJ-140B<br>Wall Mount | DS-1276ZJ-SUS<br>Corner Mount | DS-1271ZJ-140<br>Pendant Mount | DS-1275ZJ-SUS<br>Vertical Pole Mount | DS-1280ZJ-PT6<br>Junction Box |
|---|---|---|---|---|
| | | | | |

| DS-1273ZJ-140<br>Wall Mount |
|---|
| |

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