

**DS-2CD23167G3P-LIS2UY/S(L)(RB)**  
**16 MP Panoramic ColorVu Fixed Turret Network Camera**

ColorVu 3.0

AcuSense 3.0



- 180° panoramic view
- UHD: Ultra High Definition delivers lifelike immersion
- 24/7 colorful imaging via ColorVu 3.0 technology
- HikAI-ISP for excellent noise reduction effect
- White light & IR light & Smart Hybrid Light modes
- Person and vehicle classification based on deep learning
- Active strobe light and audio alarm to warn trespassers off
- Crystal-clear audio with Arrayed Dual-Mic (-2U)
- Clear imaging against strong backlight due to 130 dB WDR technology
- Anti-corrosion design (NEMA 4X), more reliable
- Dust and water resistant (IP67)
- Audio and alarm interface available
- Eco-friendly and tamper-free packaging

## ▪ Specification

| Camera                      |   |
|-----------------------------|---|
| Image Sensor                | 1/1.8" Progressive Scan CMOS  |
| Max. Resolution             | 5968 × 2688   |
| Min. Illumination           | Color: 0.0008 Lux @ (F1.0, AGC ON), 0 Lux with light  |
| Shutter Time                | 1 s to 1/100,000 s  |
| Day & Night                 | IR cut filter   |
| Angle Adjustment            | Pan: 0° to 360°, tilt: 0° to 75°, rotate: 0° to 360°  |
| Lens                        |   |
| Lens Type                   | Fixed focal lens, 2.8 mm  |
| Focal Length & FOV          | 2.8 mm, horizontal FOV 182.2°, vertical FOV 71.2°   |
| Lens Mount                  | M12   |
| Iris Type                   | Fixed   |
| Aperture                    | F1.0  |
| Depth of Field              | 2.8 mm: 2 m to ∞  |
| DORI                        |   |
| DORI                        | 2.8 mm: D: 80 m, O: 32 m, R: 16 m, I: 8 m   |
| Illuminator                 |   |
| Supplement Light Type       | White Light, IR   |
| Supplement Light Range      | Up to 30 m  |
| Smart Supplement Light      | Yes   |
| IR Wavelength               | 850 nm  |
| Video                       |   |
| Main Stream                 | 50Hz: 12.5 fps (5968 × 2688, 4096 × 1856)<br>60Hz: 15 fps (5968 × 2688, 4096 × 1856)  |
| Sub-Stream                  | 50Hz: 12.5 fps (1200 × 536, 960 × 432)<br>60Hz: 15 fps (1200 × 536, 960 × 432)  |
| Video Compression           | Main stream: H.265/H.264/H.264+/H.265+,<br>Sub-stream: H.265/H.264/MJPEG  |
| Video Bit Rate              | 32 Kbps to 40 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 regions for each stream   |
| Audio                       |   |
| Audio Type                  | -U: 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 192 Kbps (MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)                                     |
| Audio Sampling Rate         | -U: 8 kHz/16 kHz/32 kHz/48 kHz  |
| Environment Noise Filtering | -U: Yes   |
| Network                     |   |
| Protocols                   | SNMP, SSL/TLS, IPv6, IGMP, DNS, SFTP, Web Sockets, QoS, DDNS, SMTP, PPPoE, DHCP, WebSocket, FTP, NTP, HTTP, RTSP, IPv4, HTTPS, UPnP, RTP, TCP/IP, ICMP, 802.1X, RTCP, UDP |
| Simultaneous Live View      | Up to 6 channels  |

|                               |  |
|-------------------------------|--|
| API                           | ONVIF (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP  |
| User/Host                     | Up to 32 users<br>3 user levels: administrator, operator, and user   |
| Security                      | IP address filter, basic and digest authentication for HTTP/HTTPS, TLS 1.3, host authentication (MAC address), watermark, RTP/RTSP over HTTPS, complicated password, AES128/256, Password protection, WSSE and digest authentication for Open Network Video Interface, TLS 1.2, 802.1X authentication (EAP-LEAP, EAP-TLS, EAP-MD5, EAP-PEAP), control timeout settings, HTTPS encryption, security audit log |
| Network Storage               | NAS (NFS, SMB/CIFS)  |
| Client                        | iVMS-4200, Hik-Connect, Hik-Central  |
| Web Browser                   | Plug-in free live view: Chrome 91+, Firefox 88+, Edge 91+, Safari 13+<br>Local service: Chrome 91+, Firefox 88+, Edge 91+  |
| <b>Image</b>                  |  |
| Image Parameters Switch       | Yes  |
| Image Settings                | Saturation, brightness, contrast, sharpness, gain, white balance, adjustable by client software or web browser   |
| Day/Night Switch              | Day, Night, Auto, Schedule   |
| Image Enhancement             | BLC, HLC, 3D DNR, Distortion Correction, Defog   |
| SNR                           | ≥ 52 dB  |
| Wide Dynamic Range (WDR)      | 130 dB   |
| Image Stabilization           | No   |
| 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 Speaker              | Max. power consumption: 2 W, max. sound pressure level: 10 cm: 110 dB.   |
| Audio                         | Built-in Microphone: -2U: Arrayed dual-microphone, 1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium   |
| Alarm                         | 1 input, 1 output (max. 24 VDC/24 VAC, 1 A)  |
| Reset Key                     | Yes  |
| <b>Event</b>                  |  |
| Basic Event                   | Motion detection (support alarm triggering by specified target types (human and vehicle)), video tampering alarm, exception, alarm input and output  |
| Smart Event                   | Scene change detection   |
| Linkage                       | Notify surveillance center, trigger alarm output, trigger recording, trigger capture, audible warning, send email  |
| <b>Deep Learning Function</b> |  |
| Face Capture                  | No   |
| Perimeter Protection          | Line crossing, intrusion, region entrance, region exiting<br>Support alarm triggering by specified target types (human and vehicle)  |

| General                          |   |
|----------------------------------|---|
| Power                            | 12 VDC $\pm$ 25%, 1.67 A, max. 20 W, $\varnothing$ 5.5 mm coaxial power plug, reverse polarity protection,<br>PoE: IEEE 802.3at, Class 4, max. 24 W   |
| Material                         | Cover: metal, main body: metal  |
| Dimension                        | $\varnothing$ 138.6 mm $\times$ 125 mm ( $\varnothing$ 5.46" $\times$ 4.92")  |
| Package Dimension                | 170 mm $\times$ 170 mm $\times$ 160 mm (6.69" $\times$ 6.69" $\times$ 6.30")  |
| Weight                           | Approx. 840 g (1.85 lb.)  |
| With Package Weight              | Approx. 1070 g (2.35 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)   |
| General Function                 | Heartbeat, flash log, password reset via email, pixel counter, anti-banding   |
| 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 |
| Flashing Light                   | /SRB model: Red and Blue Light<br>/SL model: White Light  |
| Approval                         |   |
| 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  |
| Anti-Corrosion Protection        | NEMA 4X (NEMA 250-2018)   |

## ▪ 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.

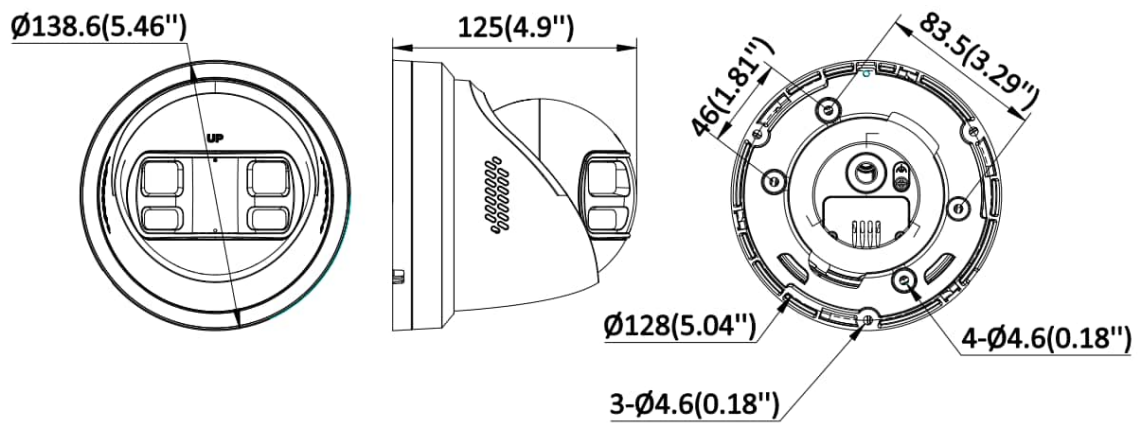
This model has MODERATE PROTECTION.

| 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-2CD23167G3P-LIS2UY/SRB(180°)
- DS-2CD23167G3P-LIS2UY/SRB(180°)BLACK
- DS-2CD23167G3P-LIS2UY/SL(180°)
- DS-2CD23167G3P-LIS2UY/SL(180°)BLACK

▪ **Dimension**



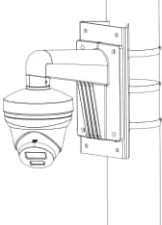

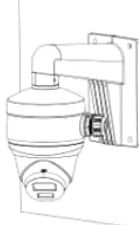





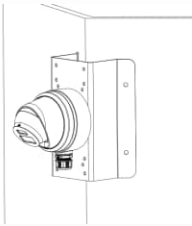
Unit: mm [inch]

▪ **Accessory**

▪ **Optional**

|   |   |   |   |   |
|---|---|---|---|---|
| <b>DS-1275ZJ-SUS</b>  | <b>DS-1280ZJ-PT6</b>  | <b>DS-2200ZJ-WA-140</b>   | <b>DS-2200ZJ-WAJ-140</b>  | <b>DS-1273ZJ-140B</b>   |
|  |  |  |   |  |
| <b>DS-2210ZJ-WA-140</b>   | <b>DS-1276ZJ-SUS</b>  | <b>DS-1273ZJ-140</b>  | <b>DS-1271ZJ-140</b>  |   |
|  |  |  |  |   |

▪ **Installation Methods**

|   |   |   |   |   |
|---|---|---|---|---|
| <b>Vertical Pole Mounting</b><br>DS-1275ZJ-SUS+DS-2200ZJ<br>-WA-140                 | <b>Junction Box</b><br>DS-1280ZJ-PT6  | <b>Wall Mounting</b><br>DS-2200ZJ-WA-140+DS-12<br>80ZJ-PT6                          | <b>Wall Mounting</b><br>DS-2200ZJ-WAJ-140+DS-1<br>253ZJ-L                             | <b>Wall Mounting</b><br>DS-1273ZJ-140<br>B  |
|  |  |  |  |  |
| <b>Wall Mounting</b><br>DS-1273ZJ-140   | <b>Pendant Mounting</b><br>DS-2210ZJ-WA-<br>140                                     | <b>Pendant Mounting</b><br>DS-1271ZJ-140+DS-1280ZJ<br>-PT6                          | <b>Corner Mounting</b><br>DS-1276ZJ-SUS+DS-2280Z<br>J-WA140                           |   |
|  |  |  |  |   |

# See Far, Go Further



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