

DS-2CD2187G2-L(SU) 8 MP ColorVu Fixed Dome Network Camera

ColorVu



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
- 24/7 colorful imaging
- Clear imaging against strong back light due to 130 dB WDR technology
- Focus on human and vehicle targets classification based on deep learning
- -SU: Built-in microphone for real-time audio security, audio and alarm interface available
- 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 75°, rotate: 0° to 355° |
| Lens | |
| Lens Type | Fixed focal lens, 2.8 and 4 mm optional |
| Focal Length & FOV | 2.8 mm, horizontal FOV 109°, vertical FOV 59°, diagonal FOV 130° 4 mm, horizontal FOV 93°, vertical FOV 49°, diagonal FOV 111° |
| Lens Mount | M16 |
| Iris Type | Fixed |
| Aperture | F1.0 |
| Depth of Field | 2.8 mm: 3.1 m to ∞ 4 mm: 3.5 m to ∞ |
| DORI | |
| DORI | 2.8 mm, D: 84 m, O: 33 m, R: 16 m, I: 8 m 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 30 m |
| Smart Supplement Light | Yes |
| Video | |
| Main Stream | 50 Hz: 25 fps (3840 × 2160, 3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 60 Hz: 24 fps (3840 × 2160) 30 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360) |
| Third Stream | 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) 60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264, Sub-stream: H.265/H.264/MJPEG, 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 | -SU: Mono sound |
| Audio Compression | -SU: G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC |

| | |
|-----------------------------|--|
| Audio Bit Rate | -SU: 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 | -SU: 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | -SU: 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 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), Together with high-end Hikvision memory card, memory card encryption and health detection are supported. |
| Client | iVMS-4200, iVMS-5200, Hik-Connect |
| Web Browser | Plug-in required live view: IE10+, Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 12+, Local service: Chrome 57.0+, Firefox 52.0+ |
| 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 256 GB |
| Built-in Microphone | -SU: Yes |
| Audio | -SU: 1 input(s) (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium, 1 output(s) (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium |
| Alarm | -SU: 1 input(s), 1 output(s) (max. 12 VDC, 30 mA) |
| 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, audible warning (-SU), trigger alarm output (-SU), supplement light |
| Deep Learning Function | |
| Face Capture | Yes |
| General | |
| Power | 12 VDC \pm 25%, 0.6 A, max. 7 W, \varnothing 5.5 mm coaxial power plug, reverse polarity protection, PoE: IEEE 802.3af, Class 3, max. 8.5 W |
| Material | Metal |
| Dimension | \varnothing 121.5 mm \times 97.6 mm (\varnothing 4.8" \times 3.8") |
| Package Dimension | 150 mm \times 150 mm \times 141 mm (5.9" \times 5.9" \times 5.6") |
| Weight | Approx. 540 g (1.2 lb.) |
| With Package Weight | Approx. 735 g (1.6 lb.) |
| Storage 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 |
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing) |
| 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, Reach: Regulation (EC) No 1907/2006 |
| 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.

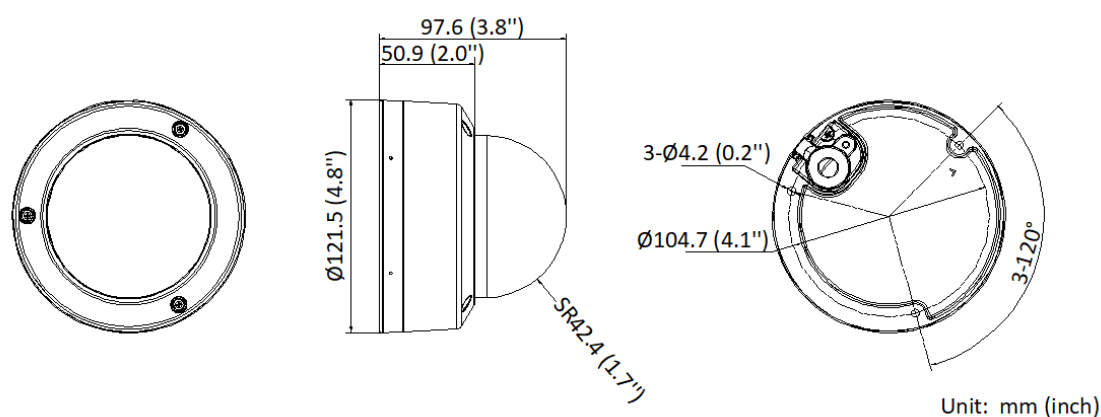
| Level | Description |
|------------------------|--|
| Top-level protection | Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more. |
| Moderate protection | 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-2CD2187G2-L (2.8/4 mm)

DS-2CD2187G2-LSU (2.8/4 mm) (Black)

▪ Dimension



▪ Accessory

▪ Optional

| DS-1272ZJ-120 Wall Mount | DS-1271ZJ-120 Pendant Mount | DS-1272ZJ-120B Wall Mount |
|---|---|--|
|  |  |  |

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