

DS-2CD2686G2-IZSU/SL

AcuSense 8 MP IR Varifocal Bullet Network Camera



- High quality imaging with 4K resolution
- Excellent low-light performance with powered-by-DarkFighter technology
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- False alarm reduction through human and vehicle target classification based on deep learning
- Active strobe light and audio alarm to warn intruders off
- Provides real-time security via built-in two-way audio
- Water and dust resistant (IP67) and vandal resistant (IK10)

AcuSense

Empowered by deep learning algorithms, Hikvision AcuSense technology brings human or vehicle target classification alarms to front- and back-end devices. The system can greatly reduce false alarms generated by targets other than humans or vehicles, vastly improving alarm efficiency and effectiveness.



▪ Specification

| Camera | |
|-----------------------------|--|
| Image Sensor | 1/1.8" Progressive Scan CMOS |
| Min. Illumination | Color: 0.003 Lux @ (F1.6, AGC ON) |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| P/N | P/N |
| Wide Dynamic Range | 120 dB |
| Day & Night | ICR Cut |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360° |
| Power-off Memory | Yes |
| Lens | |
| Focus | Auto |
| Lens Type & FOV | 2.8 to 12mm, horizontal FOV 108.1° to 45.5°, vertical FOV 58.4° to 25.7°, diagonal FOV 127.3° to 52.1° |
| Aperture | F1.6 |
| Lens Mount | Ø14 |
| Illuminator | |
| IR Range | Up to 60 m |
| Wavelength | 850 nm |
| Smart Supplement Light | Yes |
| Visual Alarm | Yes |
| Video | |
| Max. Resolution | 3840 × 2160 |
| Main Stream | 50Hz: 20fps (3840 × 2160, 3072 × 1728) 25fps (2688 × 1520, 1920 × 1080, 1280 × 720) 60Hz: 20fps (3840 × 2160, 3072 × 1728) 30fps (2688 × 1520, 1920 × 1080, 1280 × 720) |
| Sub Stream | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240) |
| Third Stream | 50Hz: 25fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 360 × 240) |
| Video Compression | Main stream: H.265/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 |
| H.264+ | Main Stream supports |
| H.265+ | Main Stream supports |
| Bit Rate Control | CBR/VBR |
| Scalable Video Coding (SVC) | Yes |
| Region of Interest (ROI) | 1 fixed region for each stream |

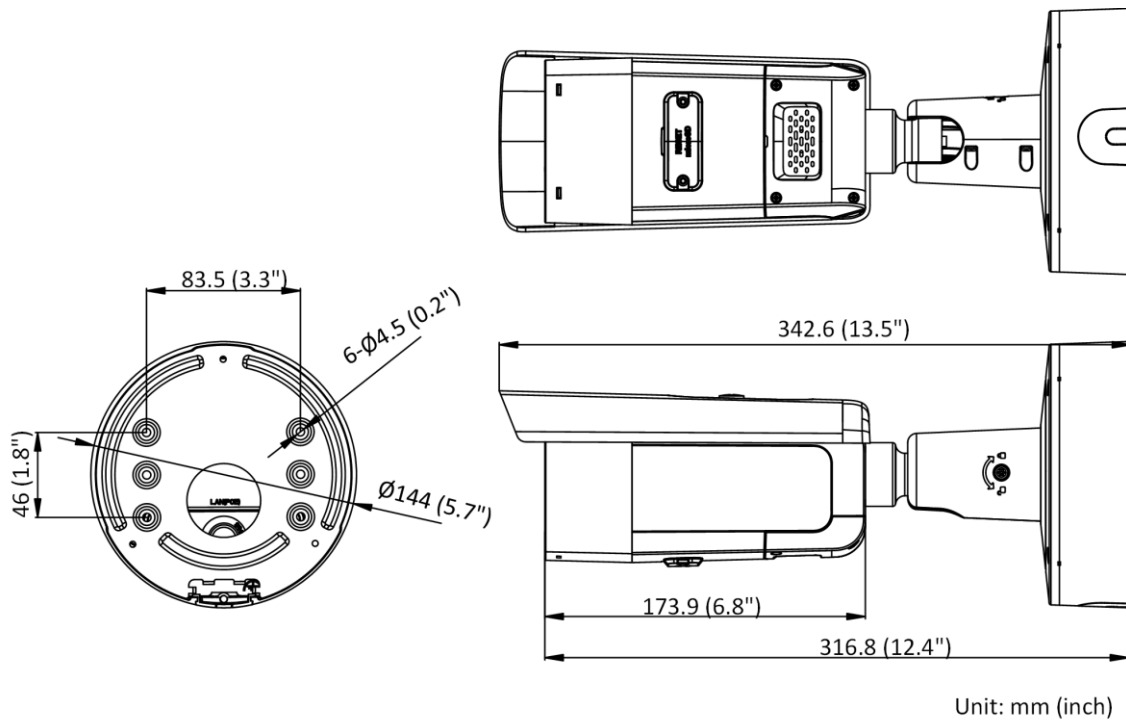
| Audio | |
|--|---|
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Audio Compression | G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3 |
| Audio Bit Rate | 64Kbps(G.711ulaw/G.711alaw)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8-320Kbps(MP3) |
| Network | |
| Simultaneous Live View | Up to 6 channels |
| API | ONVIF(PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK |
| 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, SNMP |
| Smooth Streaming | Yes |
| 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 1.2, WSSE and digest authentication for ONVIF |
| Network Storage | microSD/SDHC/SDXC card (256 GB) local storage, and 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: IE8+, Chrome 41.0-44, Firefox 30.0-51, Safari 8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ |
| Image | |
| Day/Night Switch | Day, Night, Auto, Schedule |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Parameters Switch | Yes |
| Image Settings | Saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser |
| Interface | |
| Alarm | 1 input, 1 output (max. 12 VDC or 24 VAC, 1 A) |
| Audio | 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 K Ω , interface type: non-equilibrium 1 output (line out), 3.5 mm terminal block, output amplitude: 3.3 Vpp, output impedance: 100 Ω , interface type: non-equilibrium 1 built-in speaker, 1 built-in microphone |
| On-board Storage | Built-in micro SD/SDHC/SDXC slot, up to 256 GB |
| Hardware Reset | Yes |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Intelligent (Traditional Algorithm) | |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection |
| Intelligent (Deep Learning Algorithm) | |
| Face Capture | Yes |
| Perimeter Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection |

| General | |
|----------------------------------|--|
| Linkage Method | Upload to NAS/memory card, notify surveillance center, trigger record, trigger capture, strobe light, audible warning *Note: External device is required. |
| Web Client 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 | Anti-flicker, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter |
| Software Reset | Yes |
| 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) |
| Power Supply | 12 VDC ± 25% PoE: 802.3at, Class4 |
| Power Consumption and Current | 12 VDC, 1.25 A, max. 15 W PoE: (802.3at, 42.5 V to 57 V), 0.5 A to 0.3 A, max. 18 W |
| Power Interface | Two-core terminal block |
| Material | Aluminum alloy body |
| Camera Dimension | Ø144 × 342.6 mm (Ø5.7" × 13.5") |
| Package Dimension | 385 × 190 × 180 mm (15.2" × 7.5" × 7.1") |
| Camera Weight | Approx. 1470 g (3.2 lb.) |
| With Package Weight | Approx. 2599 g (5.7 lb.) |
| Approval | |
| EMC | FCC (47 CFR Part 15, Subpart B); CE-EMC (EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014); RCM (AS/NZS CISPR 32: 2015); IC (ICES-003: Issue 6, 2016); KC (KN 32: 2015, KN 35: 2015) |
| Safety | UL (UL 60950-1); CB (IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IEC 62368-1:2014); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1) |
| Environment | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection | Ingression protection: IP67 (IEC 60529-2013), IK10 (IEC 60529-2013) |

▪ Available Model

DS-2CD2686G2-IZSU/SL(2.8 to 12 mm)

▪ **Dimension**



▪ **Accessory**



DS-1275ZJ-S-SUS
Vertical Pole Mount



DS-2251ZJ
Pendant Mount



DS-1476ZJ-SUS
Corner Mount

Distributed by

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