

DS-2CD2686G2-IZS 8 MP IR Varifocal Bullet Network Camera



- 1/2" Progressive Scan CMOS
- 3840 × 2160 @ 20fps
- 2.8 to 12 mm lens
- 120dB WDR
- Powered by Darkfighter

- H.265+, H.265, H.264+, H.264
- Built-in micro SD/SDHC/SDXC card slot, up to 256 GB
- IP66, IK10
- **Human and vehicle classification alarm** based on deep learning.

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.



Specifications

| Camera | |
|---|--|
| Image Sensor | 1/2" Progressive Scan CMOS |
| Min. Illumination | Color: 0.011 Lux @ (F1.4, AGC ON), 0 Lux with IR |
| Shutter Speed | 1/3 s to 1/100,000 s |
| Slow Shutter | Yes |
| Day & Night | IR Cut Filter |
| WDR | 120 dB |
| Angle Adjustment | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 360° |
| Lens | |
| Lens Type | 2.8 to 12 mm |
| Aperture | F1.4 |
| FOV | Horizontal FOV: 108.1° to 45.5°, vertical FOV: 58.4° to 25.7°, diagonal FOV: 127.3° to 52.1° |
| Lens Mount | Ø14 |
| Illuminator | |
| IR Range | Up to 50 m |
| Wavelength | 850 nm |
| 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, 320 × 240) 60Hz: 30fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) |
| Video Compression | Main stream: H.265+/H.264+/H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264 |
| H.264 Type | Baseline Profile/Main Profile/High Profile |
| H.265 Type | Main Profile |
| Video Bit Rate | 32 Kbps to 16 Mbps |
| Scalable Video Coding (SVC) | H.264 and H.265 encoding support |
| * When the main stream resolution is 3840 × 2160, max frame rate is 20 fps for all streams. | |
| Audio | |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/MP3 |
| Audio Bit Rate | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3) |
| Environment Noise Filtering | Yes |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |

| Smart Feature-Set | |
|-------------------------|--|
| Perimeter Protection | Line crossing detection, intrusion detection, region entrance detection, region exiting detection (Human&Vehicle classification) |
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error), scene change detection |
| Linkage Method | Upload to FTP/NAS/memory card, notify surveillance center, send email, alarm output, audible warning, trigger capture |
| Region of Interest | 1 fixed region for main stream, sub-stream and third stream |
| Image | |
| Image Enhancement | BLC, HLC, 3D DNR |
| Image Setting | Saturation, brightness, contrast, sharpness, AGC and white balance adjustable by client software or web browser |
| Day/Night Switch | Day/Night/Auto/Schedule/Triggered by Alarm In |
| Network | |
| Network Storage | microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS,SMB/CIFS), ANR |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS |
| API | ONVIF (PROFILE S, PROFILE G), ISAPI, SDK |
| Security | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| Simultaneous Live View | Up to 6 channels |
| User/Host | Up to 32 users, 3 levels: administrator, operator and user |
| Client | iVMS-4200, Hik-Connect, Hik-Central |
| Web Browser | Plug-in required live view: IE8+, Chrome 41.0-44, Firefox30.0-51, Safari8.0-11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+ |
| Interface | |
| Communication Interface | 1 RJ45 10M/100M self-adaptive Ethernet port |
| Audio | 1 audio input (line in), two-core terminal block; 1 audio output(line out), two-core terminal block |
| Alarm | 1 alarm input, 1 alarm output (max. 24 VAC/24 VDC@500 mA) |
| Interface Style | Connector panel |
| On-board storage | Built-in micro SD slot, up to 256 GB |
| General | |
| Web Client Language | 32 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) |
| General Function | Anti-flicker, three streams, heartbeat, mirror, privacy masks, pixel counter |
| Reset | Reset via reset button on camera body, web browser and client software |

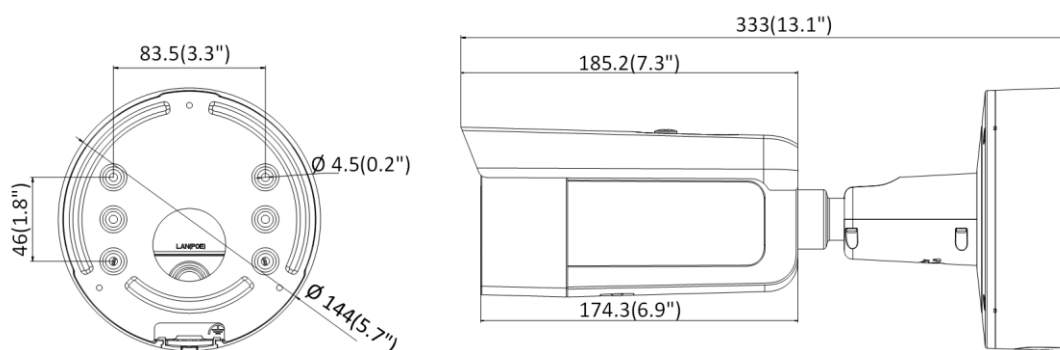
| | |
|----------------------------------|--|
| Startup and Operating Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing) |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing) |
| Power Supply | 12 VDC ± 25%, two-core terminal block; reverse polarity protection; PoE (802.3at, class 4) |
| Power Consumption and Current | 12 VDC, 1.12 A, max. 13.5 W; PoE (802.3at, 42.5 V to 57 V), 0.5 A to 0.3 A, max. 15 W |
| Material | Metal |
| Dimensions | Camera: Φ 144 × 333 mm (Φ 5.7" × 13.1") With package: 385 × 190 × 180 mm (15.2" × 7.5" × 7.1") |
| Weight | Camera: approx. 1430 g (3.2 lb.) With package: approx. 2490 g (5.5 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); CE-LVD (EN 60950-1:2005 + Am 1:2009 + Am 2:2013); BIS (IS 13252(Part 1):2010+A1:2013+A2:2015); LOA (IEC/EN 60950-1) |
| Chemistry | CE-RoHS (2011/65/EU); WEEE (2012/19/EU); Reach (Regulation (EC) No 1907/2006) |
| Protection | Ingress protection: IP66 (IEC 60529-2013), IK10(IEC 62262:2002) |

* Listed resolutions are only selectable options. It does not mean that all streams can work at their maximum resolution at the same time.

Available Model

DS-2CD2686G2-IZS (2.8 to 12 mm)

Dimension

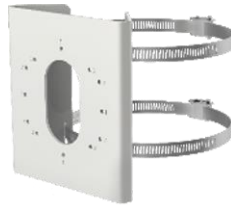


Unit: mm(inch)

Accessory



DS-1476ZJ-SUS
Corner Mount



DS-1275ZJ-S-SUS
Vertical Pole Mount



DS-2251ZJ
Column Mount

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