

DS-2XE6885G0-(I)(L)Z(H)(S)

8 MP Explosion-Proof Network Bullet Camera



- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- 316L stainless steel enclosure, protecting the camera from damage caused by sparks or corrosive materials
- IP68 water resistant, preventing water ingress for outdoor use
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements
- AC 100 V to 240 V wide range power supply: easy to deploy cables and safer compared to a power adapter solution

▪ Specification

| Camera | |
|-----------------------------|---|
| Image Sensor | 1/2" Progressive Scan CMOS |
| Max. Resolution | 3840 × 2160 |
| Min. Illumination | Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.0009 Lux @ (F1.2, AGC ON), 0 Lux with IR |
| Shutter Time | 1 s to 1/100,000 s |
| Day & Night | IR cut filter |
| Lens | |
| Lens Type | Varifocal lens, 2.8 to 12 mm and 8 to 32 mm lens |
| Focal Length & FOV | 2.8 to 12 mm, horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47° 8 to 32 mm, horizontal FOV 42° to 15°, vertical FOV 23° to 8°, diagonal FOV 49° to 17° |
| Lens Mount | Integrated |
| Focus | Auto |
| Iris Type | Auto-iris, DC drive |
| Aperture | 2.8 to 12 mm: F1.4 8 to 32 mm: F1.7, constant F1.7 throughout the zoom range |
| DORI | |
| DORI | 2.8 to 12 mm: D: 218 m, O: 86.5 m, R: 43.6 m, I: 21.8 m 8 to 32 mm: D: 580 m, O: 230.2 m, R: 116 m, I: 58 m |
| Illuminator | |
| Supplement Light Type | -I model: IR -L model: white light |
| Supplement Light Range | -I model: up to 100 m IR range -L model: up to 30 m white light range |
| IR Wavelength | -I model: 850 nm |
| Video | |
| Main Stream | 50 Hz: 25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60 Hz: 30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) |
| Sub-Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Third Stream | 50 Hz: 25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480) 60 Hz: 30 fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480) |
| Fourth Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Fifth Stream | 50 Hz: 25 fps (704 × 576, 640 × 480) 60 Hz: 30 fps (704 × 480, 640 × 480) |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264 Sub-stream/Fourth stream/Fifth 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.265 and H.264 support |
| Region of Interest (ROI) | 5 fixed regions for each stream |

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| Target Cropping | Yes |
| Audio | |
| Audio Type | Mono sound |
| Audio Compression | G.711/G.722.1/G.726/MP2L2/PCM/AAC-LC/MP3 |
| Audio Bit Rate | 64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/16 to 64 Kbps (AAC-LC)/8 to 320 Kbps (MP3) |
| Audio Sampling Rate | 8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz |
| Environment Noise Filtering | Yes |
| Network | |
| Protocols | TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, SRTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS, WebSocket, WebSockets |
| Simultaneous Live View | Up to 20 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-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, TLS1.2 |
| Network Storage | Support microSD/SDHC/SDXC card (256 GB), local storage and NAS (NFS, SMB/CIFS), 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: IE10, IE11 Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari12+ 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, Alarm Trigger (-S), Video Trigger |
| Wide Dynamic Range (WDR) | 120 dB |
| SNR | ≥ 52 dB |
| Image Stabilization | EIS |
| Image Enhancement | BLC, HLC, Defog, 3D DNR |
| Picture Overlay | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format |
| Interface | |
| Video Output | 1Vp-p Composite Output (75 Ω/BNC) |
| Ethernet Interface | 1 RJ45 10 M/100 M self-adaptive Ethernet port, optical interface FC -S: RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive) |
| On-Board Storage | Built-in microSD/SDHC/SDXC slot, up to 256 GB *You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing. |
| Audio | -S: 3.5 mm audio input (line in), 3.5 mm audio output (line out), stereo |
| Alarm | -S: 1 input, 1 output (max. 24 VDC, 1 A or 110 VAC 500 mA) |

| Event | |
|------------------------------------|--|
| Basic Event | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, abnormal reboot, HDD full, HDD error), video quality diagnosis, vibration detection |
| 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, audio exception detection (-S model), defocus detection |
| Linkage | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output (-S model), trigger recording, trigger capture, audible warning |
| Deep Learning Function | |
| Hard Hat Detection | Detects up to 30 human targets simultaneously Supports up to 4 shield regions |
| Metadata | Metadata of road traffic is supported |
| Road Traffic and Vehicle Detection | Blocklist and allowlist: up to 10,000 records Captures vehicle that has no license plate Support license plate recognition of motorcycles (only in checkpoint scenario) Support vehicle attribute detection, including vehicle type, color, brand, etc. (City Street mode is recommended.) |
| General | |
| Power | -L: 100 to 240 VAC, 0.4 A, max. 22 W, terminal block PoE: 802.3at, 42.5 to 57 V, 0.55 to 0.45 A, max. 22 W -I: 100 to 240 VAC, 0.4 A, max. 18 W, terminal block PoE: 802.3at, 42.5 to 57 V, 0.55 to 0.45 A, max. 18 W |
| Dimension | 352 × 200 × 214 mm (13.6" × 7.9" × 8.4") |
| Package Dimension | 438 × 283 × 303 mm (17.2" × 11.1" × 11.9") |
| Weight | 14 kg (37.5 lb.) |
| With Package Weight | 15 kg (40.2 lb.) |
| Storage Conditions | -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing) |
| Startup and Operating Conditions | -H model: -40 °C to 60 °C (-40 °F to 140 °F), humidity 95% or less (non-condensing) Without -H model: -30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing) |
| 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, 5 streams and 5 custom streams, heartbeat, mirror, privacy mask, pixel counter |
| Heater | -H: Yes |
| Approval | |
| EMC | FCC: FCC-SDoC(ANSI C63.4, FCC Part15 sub B) CE: CE-EMC(EN 55024:2010 + A1: 2015, EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013) RCM: AS/NZS 60950.1: 2003 + Am1, Am2 and Am3, AS/NZS CISPR 32: 2015 IC: IC-VoC(ICES-003 Issue 7: 2020) |

| | |
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| Safety | UL: UL 60950-1:2014, CAN/CSA C22.2 No. 60950-1-07: 2014 UL: Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T80°C Ex db IIC T6 Gb X Ex tb IIIC T80°C Db X CB: IEC IEC 60079-0 CE: CE-LVD(EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013) BIS: IS 13252(Part 1)2010 + A1: 2013 + A2: 2015 |
| Protection | IP68: IEC 60529-2013 |
| Explosion-Proof Protection | ATEX: Ex II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 For explosive gas atmospheres, the maximum surface temperature is 85°C For flammable dust atmospheres, the maximum surface temperature is 80°C IIC: for explosive gas atmospheres other than mines susceptible to firedamp For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, Zone 22. |
| Anti-Corrosion Protection | NEMA 4X (NEMA 250-2014) C5 (ISO 6270-1, ISO 9227) |

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▪ Available Model

- DS-2XE6885G0-LZHS (2.8 to 12 mm)
- DS-2XE6885G0-LZHS (8 to 32 mm)
- DS-2XE6885G0-IZHS (2.8 to 12 mm)
- DS-2XE6885G0-IZHS (8 to 32 mm)
- DS-2XE6885G0-LZ (2.8 to 12 mm)
- DS-2XE6885G0-LZ (8 to 32 mm)
- DS-2XE6885G0-IZ (2.8 to 12 mm)
- DS-2XE6885G0-IZ (8 to 32 mm)

- Accessory
- Optional

DS-1707ZJ-Y-AC(OS)
Wall Mount



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