

## DS-2XE6885G0-(I)(L)Z(H)(S) 8 MP Explosion-Proof Network Bullet Camera



- Up to 8 MP high resolution
- 2.8 to 12 mm and 8 to 32 mm lens optional
- 120dB Wide Dynamic Range
- H.265, H.265+, H.264, H.264+
- Support on-board storage, up to 256GB

- 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
- 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




## Specifications

| Camera            |   |
|-------------------|---|
| Image Sensor      | 1/2" Progressive Scan CMOS  |
| Min. Illumination | Color: 0.009 Lux @ (F1.2, AGC ON), B/W: 0.0009 Lux @ (F1.2, AGC ON), 0 Lux with IR  |
| Shutter Speed     | 1s to 1/100,000 s   |
| Slow Shutter      | Yes   |
| Day & Night       | IR Cut Filter   |
| WDR               | 120 dB  |
| Lens              |   |
| Lens Type         | Varifocal lens, 2.8 to 12 mm and 8 to 32 mm lens  |
| Auto-Iris         | DC drive  |
| Aperture          | 2.8 to 12 mm: F1.4<br>8 to 32 mm: F1.7, constant F1.7 throughout the zoom range   |
| Focus             | Auto, semi-auto, manual   |
| 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  |
| Illuminator       |   |
| Range             | -I model: up to 100 m IR range<br>-L model: up to 30 m whitelight range   |
| Wavelength        | -I model: 850 nm  |
| Video             |   |
| Max. Resolution   | 3840 × 2160   |
| Video Streams     | 5 defined streams   |
| Main Stream       | 50Hz: 25fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720); 60Hz: 30fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)                          |
| Sub-Stream        | 50Hz: 25fps (704 × 576, 640 × 480); 60Hz: 30fps (704 × 480, 640 × 480)  |
| Third Stream      | 50Hz: 25fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480); 60Hz: 30fps (1920 × 1080, 1280 × 720, 704 × 480, 640 × 480)  |
| Fourth Stream     | 50Hz: 25fps (704 × 576, 640 × 480); 60Hz: 30fps (704 × 480, 640 × 480)  |
| Fifth Stream      | 50Hz: 25fps (704 × 576, 640 × 480); 60Hz: 30fps (704 × 480, 640 × 480)  |
| Video Compression | Main stream: H.265+/H.265/H.264+/H.264<br>Sub stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264/MJPEG<br>Fourth stream: H.265/H.264/MJPEG<br>Fifth stream: H.265/H.264/MJPEG   |
| H.264 Type        | Baseline Profile/Main Profile/High Profile  |
| H.264+            | Main stream supports  |
| H.265 Type        | Main Profile  |
| H.265+            | Main stream supports  |

|                             |  |
|-----------------------------|--|
| Video Bit Rate              | 32 Kbps to 16 Mbps   |
| SVC                         | H.265 and H.264 support  |
| <b>Audio (-S)</b>           |  |
| Audio Compression           | G.711/G.722.1/G.726/MP2L2/PCM  |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)  |
| Environment Noise Filtering | Yes  |
| Audio Sampling Rate         | 8kHz/16kHz/32kHz/44.1kHz/48kHz   |
| <b>Smart Feature-Set</b>    |  |
| Smart Event                 | Line crossing detection, up to 4 lines configurable<br>Intrusion detection, up to 4 regions configurable<br>Region entrance detection, up to 4 regions configurable<br>Region exiting detection, up to 4 regions configurable<br>Unattended baggage detection, up to 4 regions configurable<br>Object removal detection, up to 4 regions configurable<br>Scene change detection, audio exception detection (-S model), defocus detection |
| Basic Event                 | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)   |
| Face Capture                | Detects up to 40 faces   |
| Hard Hat Detection          | Detects up to 30 human targets simultaneously<br>Supports up to 4 shield regions   |
| Linkage Method              | Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output (-S model), trigger recording, trigger capture   |
| Region of Interest          | 4 fixed regions for main stream, sub stream, and third stream, and dynamic face tracking   |
| <b>Image</b>                |  |
| Image Enhancement           | BLC, HLC, Defog, EIS, Distortion Correction, 3D DNR  |
| Image Settings              | Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser   |
| Target Cropping             | Yes  |
| Day/Night Switch            | Day/Night/Auto/Schedule/Triggered by alarm in (-S)   |
| Picture Overlay             | LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  |
| <b>Network</b>              |  |
| Network Storage             | Support microSD/SDHC/SDXC card (256 G), local storage and NAS (NFS,SMB/CIFS), ANR Together with high-end Hikvision memory card, memory card encryption and health detection are supported.   |
| Protocols                   | TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, 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 20 channels  |
| User/Host                   | Up to 32 users. 3 user levels: administrator, operator and user  |

|                                  |  |
|----------------------------------|--|
| Client                           | iVMS-4200, Hik-Connect, Hik-Central  |
| Web Browser                      | Plug-in required live view: IE8-11<br>Plug-in free live view: Mozilla Firefox52+   |
| <b>Interface</b>                 |  |
| Communication Interface          | 1 RJ45 10M/100M self-adaptive Ethernet port, optical interface FC<br>-S: RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)  |
| Audio (-S)                       | 1 line in/out  |
| Alarm (-S)                       | 1 input, 1 output (max. 24 VDC, 1 A or 110 VAC 500 mA)   |
| Video Out                        | 1Vp-p Composite Output (75Ω/CVBS)  |
| On-board Storage                 | Built-in micro SD/SDHC/SDXC slot, up to 256 GB<br><i>*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.</i>  |
| <b>General</b>                   |  |
| Firmware Version                 | V5.5.96  |
| 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, 5 streams and 5 custom streams, heartbeat, mirror, privacy mask, pixel counter   |
| Reset                            | Reset via reset button on camera body, web browser and client software   |
| Startup and Operating Conditions | -H model: -40 °C to +60 °C (-40 °F to +140 °F), humidity 95% or less (non-condensing)<br>Without -H model: -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                     | 100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block   |
| Power Consumption and Current    | -L: 100 to 240 VAC, 0.4 A, max. 22 W; PoE (802.3at, 42.5 to 57 V), 0.55 to 0.45 A, max. 22 W<br>-I: 100 to 240 VAC, 0.4 A, max. 18 W; PoE (802.3at, 42.5 to 57 V), 0.55 to 0.45 A, max. 18 W   |
| Material                         | Stainless steel 316L & anti-corrosion coating  |
| Heater                           | -H: Yes  |
| Dimensions                       | Camera: 352 × 200 × 214 mm (13.6" × 7.9" × 8.4")<br>With package: 438 × 283 × 303 mm (17.2" × 11.1" × 11.9")   |
| Weight                           | Camera: 14 kg (37.5 lb.)<br>With package: 15 kg (40.2 lb.)   |
| <b>Approval</b>                  |  |
| EMC                              | FCC: FCC-SDoC(ANSI C63.4,FCC Part15 sub B)<br>CE: CE-EMC(EN 55024:2010 +A1:2015,EN 55032:2015,EN 61000-3-2:2014,EN 61000-3-3:2013)<br>RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3,AS/NZS CISPR 32:2015<br>IC: IC-VoC(ICES-003 Issue 7:2020)  |

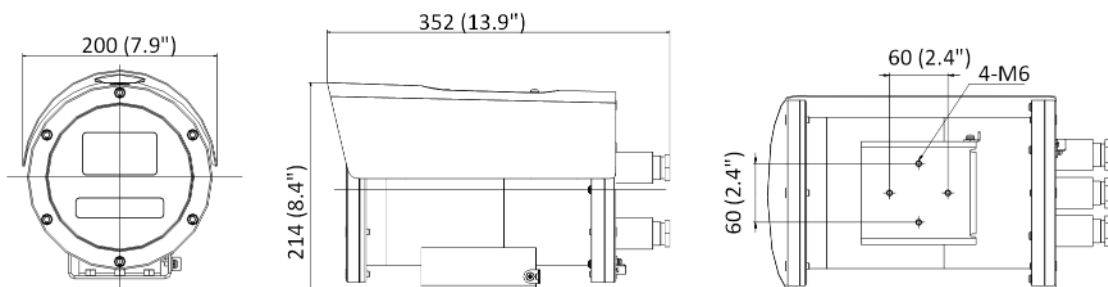
|                             |  |
|-----------------------------|--|
| Safety                      | <p>UL: UL 60950-1:2014,CAN/CSA C22.2 No. 60950-1-07:2014<br/>                 CB: IEC IEC 60079-0<br/>                 CE: CE-LVD(EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013)<br/>             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

\*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.

**Available Model**

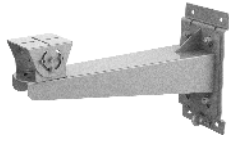
DS-2XE6885G0-IZHS (2.8 to 12 mm), DS-2XE6885G0-LZHS (2.8 to 12 mm), DS-2XE6885G0-IZ (2.8 to 12 mm), DS-2XE6885G0-LZ (2.8 to 12 mm), DS-2XE6885G0-IZHS (8 to 32 mm), DS-2XE6885G0-LZHS (8 to 32 mm), DS-2XE6885G0-IZ (8 to 32 mm), DS-2XE6885G0-LZ (8 to 32 mm)

**Dimension**



Unit: mm (inch)

**Accessory**



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

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