

## DS-2CD2683G0-IZS

### 8 MP IR Varifocal Bullet Network Camera



#### Key Features

- 1/2.5" Progressive Scan CMOS
- 3840 × 2160 @15 fps
- 2.8 to 12 mm varifocal lens
- Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR
- H.265+, H.265, H.264+, H.264
- 2 Behavior analyses
- 120dB WDR
- BLC/3D DNR/ROI/HLC
- IP66, IK10
- Built-in micro SD/SDHC/SDXC card slot, up to 128 GB



## Specifications

| <b>Camera</b>               |   |
|-----------------------------|---|
| Image Sensor                | 1/2.5" Progressive Scan CMOS  |
| Min. Illumination           | Color: 0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON), 0 Lux with IR   |
| Shutter Speed               | 1/3 s to 1/100,000 s  |
| Slow Shutter                | Yes   |
| Day & Night                 | IR Cut Filter   |
| Digital Noise Reduction     | 3D DNR  |
| WDR                         | 120dB   |
| 3-Axis Adjustment           | Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 355°  |
| <b>Lens</b>                 |   |
| Focal Length                | 2.8 to 12 mm  |
| Lens Type                   | Motorized   |
| Aperture                    | F1.6  |
| Focus                       | Auto  |
| FOV                         | Horizontal field of view: 105° to 34.5°<br>Vertical field of view: 55° to 19°<br>Diagonal field of view: 125° to 40°  |
| Lens Mount                  | Φ14   |
| <b>IR</b>                   |   |
| IR Range                    | Up to 50 m  |
| Wavelength                  | 850nm   |
| <b>Compression Standard</b> |   |
| Video Compression           | Main stream: H.265/H.264<br>Sub-stream: H.265/H.264/MJPEG<br>Third stream: H.265/H.264  |
| H.264 Type                  | 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  |
| Audio Compression           | G722.1/G.711/G726/MP2L2/PCM/MP3   |
| Audio Bit Rate              | 64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)  |
| <b>Smart Feature-set</b>    |   |
| Smart Event                 | Line crossing detection, intrusion detection, face detection  |
| Basic Event                 | Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)  |
| Linkage Method              | Trigger recording: memory card, network storage, pre-record and post-record<br>Trigger captured pictures uploading: FTP, HTTP, NAS, Email<br>Trigger notification: HTTP, ISAPI, alarm output, Email |
| Region of Interest          | Support 1 fixed region for main stream and sub-stream   |
| <b>Image</b>                |   |
| Max. Resolution             | 3840 × 2160   |
| Main Stream                 | 50Hz: 12.5 fps (3840 × 2160), 20fps (3072 × 1728), 25 fps (2560 × 1440, 1920 × 1080, 1280 × 720)<br>60Hz: 15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)  |

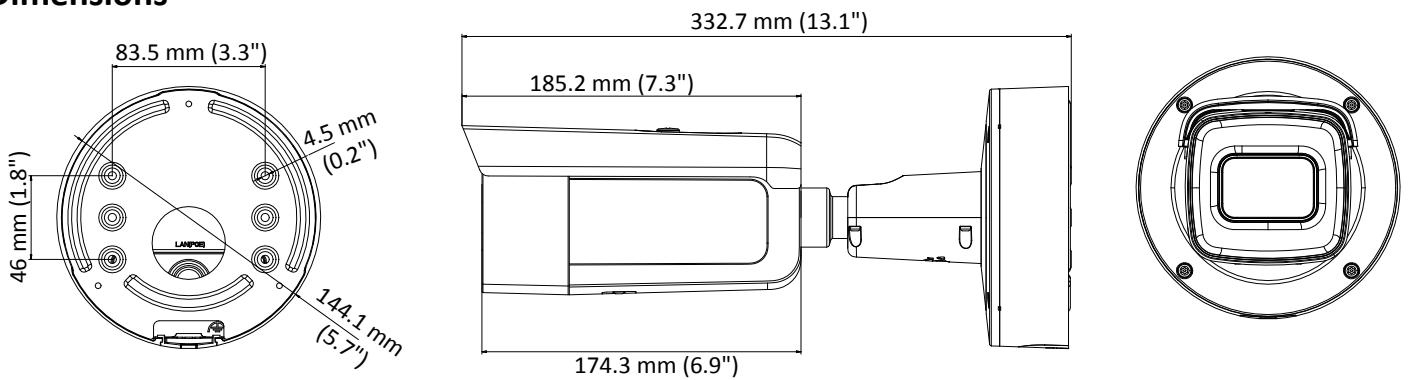
|  |  |
|--|--|
| Sub-Stream   | 50Hz: 25fps (640 × 480, 640 × 360, 320 × 240)<br>60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)   |
| Third Stream   | 50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288)<br>60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)   |
| Image Enhancement  | BLC/3D DNR/HLC   |
| Image Settings   | Saturation, brightness, contrast, sharpness, AGC, and white balance by client software or web browser  |
| Target Cropping  | No   |
| Day/Night Switch   | Day/Night/Auto/Schedule/Triggered by Alarm In  |
| * Note: When the main stream resolution is 3840 × 2160, max frame rate is 12.5(50Hz)/15 fps(60Hz) for all streams. When the main stream resolution is 3072 × 1728, max frame rate is 20 fps for all streams. |  |
| <b>Network</b>   |  |
| Network Storage  | Support Micro SD/SDHC/SDXC card (128G), local storage and NAS (NFS,SMB/CIFS), ANR  |
| Protocols  | TCP/IP, UDP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, Bonjour, SSL/TLS  |
| General Function   | Anti-flicker, three streams, heartbeat, mirror, privacy masks, password reset via e-mail, pixel counter, HTTP listening  |
| API  | ONVIF (PROFILE S, PROFILE G, PROFILE T), ISAPI, SDK  |
| Security   | Password protection, complicated password, HTTPS encryption, 802.1X authentication (EAP-TLS 1.2, EAP-LEAP, 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<br>3 levels: Administrator, Operator and User   |
| Client   | iVMS-4200, Hik-Connect, Hik-Central  |
| Web Browser  | Plug-in required live view: IE8+<br>Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+<br>Local Service: Chrome 41.0+, Firefox 30.0+  |
| <b>Interface</b>   |  |
| Audio  | 1 input (line in, 3.5 mm), 1 output (line out, 3.5 mm), mono sound   |
| Alarm  | 1 input, 1 output (max. 12 VDC, 30 mA), terminal block   |
| Communication Interface  | 1 RJ45 10M/100M self-adaptive Ethernet port  |
| Video Output   | 1Vp-p composite output (75 Ω) (For adjustment only)  |
| On-board storage   | Built-in Micro SD/SDHC/SDXC slot, up to 128 GB   |
| SVC  | H.264 and H.265 encoding support   |
| Reset Button   | Yes  |
| <b>Audio</b>   |  |
| Environment Noise Filtering  | Yes  |
| Audio Sampling Rate  | 8kHz/16kHz/32kHz/44.1kHz/48kHz   |
| <b>General</b>   |  |
| Operating Conditions   | -30 °C to +60 °C (-22 °F to +140 °F), humidity 95% or less (non-condensing)  |
| Web Client Language  | 32 languages<br>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) |
| Power Supply   | 12 VDC ± 25%, terminal block<br>PoE (802.3at, class 4)   |
| Power Consumption and Current  | 12 VDC, 1.2A, max. 14.5W<br>PoE (802.3at, 42.5V to 57V), 0.5A to 0.3A, max. 18W  |

|                  |                                   |
|------------------|-----------------------------------|
| Protection Level | IP66, IK10                        |
| Material         | Metal                             |
| Dimensions       | Φ144.1 × 332.7 mm (Φ5.7" × 13.1") |
| Weight           | Camera: 1893 g (4.2 lb.)          |

**Available Model:**

DS-2CD2683G0-IZS(2.8 to 12 mm)

**Dimensions**



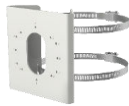
**Accessories**



DS-1475ZJ-SUS  
Vertical Pole Mount



DS-1476ZJ-SUS  
Corner Mount



DS-1275ZJ-S-SUS  
Vertical Pole Mount



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