

## DS-2CD2685G1-IZ(S) 8 MP IR Varifocal Bullet Network Camera



### Key Features

- 1/2" Progressive Scan CMOS
- 3840 × 2160 @20fps
- H.265, H.265+
- 120dB WDR
- IP67, IK10
- IR range: Up to 50 m
- Powered by Darkfighter
- BLC/3D DNR/ROI/HLC
- Smart encoding: Support low bit rate, low latency
- 4 behavior analyses and face detection
- Color: 0.008 Lux @ (F1.2, AGC ON), 0.011 Lux @ (F1.4, AGC ON)



## Specifications

<b>Camera</b>	
Image Sensor	1/2" Progressive Scan CMOS
Min. Illumination	Color: 0.008 Lux @ (F1.2, AGC ON), 0.011 Lux @ (F1.4, AGC ON)
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 360°, tilt: 0° to 90°, rotate: 0° to 360°
<b>Lens</b>	
Focal length	2.8 to 12 mm
Lens Type	Motorized
Aperture	F1.4
Focus	Auto
FOV	Horizontal field of view: 112° to 46° Vertical field of view: 60° to 26° Diagonal field of view: 133° to 53°
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 Sub stream: H.265/H.264/MJPEG 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
<b>Smart Feature-set</b>	
Smart Event	Line crossing detection, intrusion detection, unattended baggage detection, object removal detection, face detection, scene change 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 Trigger captured pictures uploading: FTP, HTTP, NAS, Email Trigger notification: HTTP, ISAPI, alarm output (-S), Email
ROI (Region of Interest)	Support 1 fixed region for main stream and sub stream separately
<b>Image</b>	
Max. Resolution	3840 × 2160
Main Stream	50Hz: 20 fps (3840 × 2160), 25 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720) 60Hz: 20 fps (3840 × 2160), 30 fps (3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	50Hz: 25fps (640 × 480, 640 × 360, 320 × 240) 60Hz: 30fps (640 × 480, 640 × 360, 320 × 240)

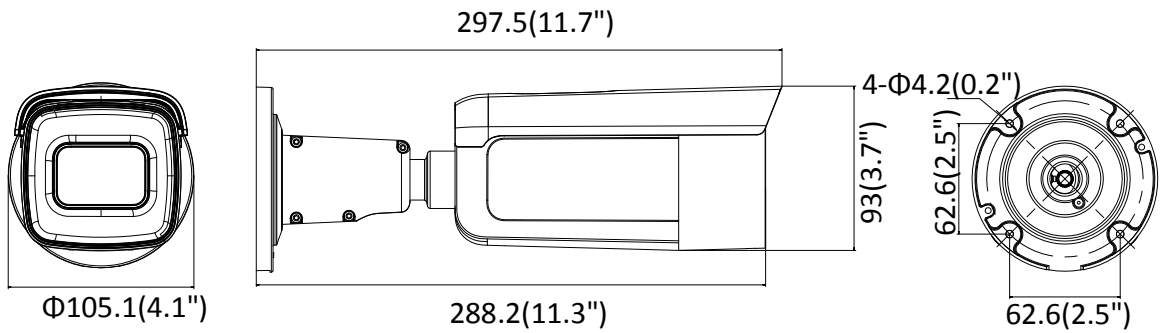
Third Stream	50Hz: 25fps (1280 × 720, 640 × 360, 352 × 288) 60Hz: 30fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR/HLC
Image Setting	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance adjustable by client software or web browser
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by Alarm In (-S)
*Note: When the main stream resolution is 3840 × 2160, 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 3 levels: Administrator, Operator and User
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+ Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Safari 11+ Local Service: Chrome 41.0+, Firefox 30.0+
<b>Interface</b>	
Audio (-S)	1 input (line in), 1 output, mono sound, terminal block
Communication Interface	1 RJ45 10M/100M self-adaptive Ethernet port, terminal block
Alarm (-S)	1 alarm input, 1 alarm output (max. 12 VDC, 30 mA), terminal block
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
Reset Button	Yes
<b>Audio(-S)</b>	
Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
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>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 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%, Φ5.5mm coaxial power plug; PoE(802.3at, class 4)
Power Consumption and Current	12 VDC, 1.2A, max. 14.5W PoE: (802.3at, 42.5V to 57V), 0.5A to 0.3A, max. 18W
Protection Level	IP67, IK10
Material	Front cover: metal, back cover: metal

Dimensions	Camera: $\Phi 105 \times 297.5$ mm ( $\Phi 4.1 \times 11.7$ " )
Weight	Camera: 1300 g (2.9 lb.) With package: 2000 g (4.4 lb.)

**Available Model:**

DS-2CD2685G1-IZ (2.8 to 12 mm), DS-2CD2685G1-IZS (2.8 to 12 mm)

**Dimensions**



Unit:mm(inch)

**Accessories**

- |   |   |   |  |   |
|---|---|---|--|---|
|  |  |  |  |  |
| DS-1275ZJ-SUS<br>Vertical Pole Mount  | DS-1276ZJ-SUS<br>Corner Mount   | DS-1260ZJ<br>Junction Box   | DS-1280ZJ-S<br>Junction Box  | DS-1275ZJ-S-SUS<br>Vertical Pole Mount  |

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