

DS-2CD2683G1-IZS

8 MP Outdoor IR Varifocal Bullet Camera



The Hikvision DS-2CD2683G1-IZS Outdoor IR Varifocal Bullet Camera provides high definition network output. It supports H.265+ video compression, which assures savings in bandwidth and storage.

The camera is equipped with a 2.8 to 12 mm motorized varifocal lens, and offers an IR range of up to 165 ft (50 m).

Smart features, such as line crossing and intrusion detection are supported.

- 1/2.5" (8 MP) Progressive Scan CMOS
- 3840 x 2160 Resolution @ 15 fps
- EXIR 2.0 Range Up to 165 ft (50 m)
- 2.8 to 12 mm Motorized Varifocal Lens
- H.265+, H.265, H.264+, H.264
- 120dB True WDR
- MicroSD Card Slot Supports 128 GB
- IP67 Protection
- Durable Metal Housing
- 12 VDC and PoE+ (802.3at)

Available models:
DS-2CD2683G1-IZS



Specifications

DS-2CD2683G1-I2S

Camera

Image Sensor	1/2.5" Progressive Scan CMOS
Minimum Illumination	Color: 0.01 lux @ (f/1.2, AGC on), 0.018 lux @ (f/1.6, AGC on), 0 Lux with IR
Shutter Speed	1/3 s to 1/100,000 s
Slow Shutter	Yes
Auto-Iris	No
Day/Night	IR Cut Filter
Digital Noise Reduction	3D DNR
WDR	120dB
Angle Adjustment	Pan: 0° to 355°, tilt: 0° to 90°, rotate: 0° to 355°

Lens

Focal Length	2.8 to 12 mm motorized varifocal lens
Lens Type	Motorized
Aperture	f/1.6
Focus	Auto
FOV	Horizontal FOV: 105° to 34.5°, vertical FOV: 55° to 19°, diagonal FOV: 125° to 40°
Lens Mount	Ø14

IR

IR Range	Up to 165 ft (50 m)
Wavelength	850 nm

Compression Standard

Video Compression	Main stream: H.265+/H.265/H.264+/H.264, sub-stream: H.265+/H.265/H.264+/H.264/MJPEG, third stream: H.265+/H.265/H.264+/H.264
H.264 Type	Main profile/high profile
H.264+	Main stream support
H.265 Type	Main profile
H.265+	Main stream support
Video Bit Rate	32 Kbps to 16 Mbps

Smart Features

Behavior Analysis	Line crossing detection, intrusion detection
Exception Detection	Yes
Region of Interest	One fixed region for main stream and sub-stream

Image

Maximum Resolution	3840 × 2160
Main Stream	15 fps (3840 × 2160), 20fps (3072 × 1728), 30 fps (2560 × 1440, 1920 × 1080, 1280 × 720)
Sub Stream	30 fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	30 fps (1280 × 720, 640 × 360, 352 × 240)
Image Enhancement	BLC/3D DNR
Image Setting	Saturation, brightness, contrast, sharpness and white balance adjustable by client software or web browser
Target Cropping	No
Day/Night Switching	Day/night/auto/schedule/triggered by alarm in

Network

Network Storage	MicroSD/SDHC/SDXC card (128 GB), local storage and NAS (NFS/SMB/CIFS), ANR
Alarm Trigger	Motion detection, video tampering alarm, network disconnected, IP address conflict, illegal login, HDD full, HDD error
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
General Function	One-key reset, anti-flicker, 5 streams and up to 5 custom streams, heartbeat, password protection, privacy mask, watermark, and IP address filtering
API	ONVIF (PROFILE S, PROFILE G), ISAPI
Simultaneous Live View	Up to 6 channels
User/Host	Up to 32 users. 3 user levels: administrator, operator and user
Client	iVMS-4200, Hik-Connect
Web Browser	Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+

Interface

Audio	1 input (line in), 1 output (line out), mono sound, terminal block
Communication Interface	1-port RJ45 10M/100M self-adaptive Ethernet port
Alarm	1 input, 1 output (maximum 12 VDC, 30 mA), terminal block
Video Output	1 Vp-p composite output(75 Ω/BNC)
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 128 GB
SVC	H.264 and H.265 encoding
Reset Button	Yes





Audio

Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64 kbps (G.711)/16 kbps (G.722.1)/16 kbps (G.726)/32 to 192 kbps (MP2L2)

General

Operating Conditions	-22° F to 140° F (-30° C to 60° C); humidity 95% or less (non-condensing)
Power Supply	12 VDC ± 25%, Ø 5.5 mm coaxial power plug, PoE (802.3at, class 4)
Power Consumption and Current	12 VDC, 1.2 A, maximum 14.5 W, PoE (802.3at, 42.5 V to 57 V), 0.5 A to 0.3 A, maximum 18 W
Protection Level	IP67
Material	Metal
Dimensions	Ø 4.1" x 11.7" (Ø 105.1 mm x 297.5 mm)
Weight	2.90 lbs (1.335 kg)

Accessories

			
CB130 Conduit Base	CBS Conduit Base	PM Pole Mount	CM Corner Mount

Dimensions

