

DS-2CD2683G2-LIZS2U

8 MP Acusense Smart Hybrid Light Motorized Varifocal Bullet Network Camera

AcuSense















- High quality imaging with 8 MP resolution
- Acusense: Focus on human and vehicle classification based on deep learning
- Smart Hybrid Light: Integrates IR and White lights, 4 supplemental lighting modes
- Built-in arrayed dual-microphone for real-time high quality audio security
- Clear imaging against strong back light due to 120 dB true WDR technology
- Efficient H.265+ compression technology
- Motorized varifocal lens for easy installation and monitoring
- Water and dust resistant (IP67) and vandal-resistant (IK10)



Specification

Image Sensor 1/2.8" Progressive Scan CMOS Max. Resolution 3840 × 2160 Min. Illumination Color: 0.005 Lux @ (F1.6, AGC ON), B/W: 0 Lux with IR Shutter Time 1/3 s to 1/100,000 s Day & Night IR cut filter Angle Adjustment Pan: 0" to 355°, tilt: 0" to 90", rotate: 0" to 360" Lens Varifocal lens, motorized lens, 2.8 to 12 mm Lens Type Varifocal lens, motorized lens, 2.8 to 12 mm Lens Mount Ø14 List Type Fixed Aperture F1.6 DORI 2.8 to 12 mm: D: 88.3 m to 289.7 m, 0: 35 m to 114.9 m, R: 17.7 m to 57.9 m, 1: 8.8 m to 29.0 m Illuminator Supplement Light Range Up to 60 m Supplement Light Range Up to 60 m Supplement Light Yes IR, White Light Mark Stream 50 Hz: 20 fps (3840 × 2160) 25 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) Main Stream 50 Hz: 50 Hz: 10 fps (3200 × 1800, 2688 × 1520, 1920 × 1080, 1280 × 720) 20 fps (3840 × 2160) 20 fps (3840 × 2160) 50 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640	Camera					
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Third stream: H.265/H.264, *Third stream is supported under certain settings. Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Scalable Video Coding (SVC) H.264 and H.265 encoding Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream	Video Compression	Sub-stream: H.265/H.264/MJPEG,				
Video Bit Rate 32 Kbps to 16 Mbps H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Scalable Video Coding (SVC) H.264 and H.265 encoding Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream		Third stream: H.265/H.264,				
H.264 Type Baseline Profile, Main Profile H.265 Type Main Profile Scalable Video Coding (SVC) H.264 and H.265 encoding Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream		*Third stream is supported under certain settings.				
H.265 Type Main Profile Scalable Video Coding (SVC) H.264 and H.265 encoding Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream	Video Bit Rate	32 Kbps to 16 Mbps				
Scalable Video Coding (SVC) Bit Rate Control Region of Interest (ROI) H.264 and H.265 encoding CBR, VBR 1 fixed region for main stream and sub-stream	H.264 Type	Baseline Profile, Main Profile, High Profile				
Bit Rate Control CBR, VBR Region of Interest (ROI) 1 fixed region for main stream and sub-stream	H.265 Type	Main Profile				
Region of Interest (ROI) 1 fixed region for main stream and sub-stream	Scalable Video Coding (SVC)	H.264 and H.265 encoding				
	Bit Rate Control	CBR, VBR				
Target Cropping Yes	Region of Interest (ROI)	1 fixed region for main stream and sub-stream				
	Target Cropping	Yes				



Audio				
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC			
A 11 DUD 1	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 160 Kbps			
Audio Bit Rate	(MP2L2)/8 to 320 Kbps (MP3)/16 to 64 Kbps (AAC-LC)			
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/48 kHz			
Environment Noise Filtering	Yes			
Network				
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, NTP, UPnP,			
Protocols	SMTP, IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SNMP,			
	WebSocket, WebSockets			
Simultaneous Live View	Up to 6 channels			
API	Open Network Video Interface (Profile S, Profile G), ISAPI, SDK, ISUP			
Llear/Llast	Up to 32 users			
User/Host	3 user levels: administrator, operator, and user			
	Password protection, complicated password, HTTPS encryption, IP address filter,			
Security	Security Audit Log, basic and digest authentication for HTTP/HTTPS, TLS 1.1/1.2/1.3,			
	WSSE and digest authentication for Open Network Video Interface			
	NAS (NFS, SMB/CIFS), Auto Network Replenishment (ANR),			
Network Storage	Together with high-end Hikvision memory card, memory card encryption and health			
	detection are supported.			
Client	iVMS-4200, Hik-Connect, Hik-Central			
	Plug-in required live view: IE 11,			
Web Browser	Plug-in free live view: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+,			
	Local service: Chrome 80+, Firefox 80+, Edge 89+, Safari 13+			
Image				
Image Parameters Switch	Yes			
Day/Night Switch	Day, Night, Auto, Schedule			
Wide Dynamic Range (WDR)	120 dB			
SNR	≥ 52 dB			
Image Enhancement	BLC, HLC, 3D DNR			
Privacy Mask	8 programmable polygon privacy masks			
Interface				
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port			
	Built-in Microphone: Dual arrayed-microphone			
	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input			
Audio	impedance: 4.7 K Ω , interface type: non-equilibrium,			
	1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output			
	impedance: 100 Ω , interface type: non-equilibrium			
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB			
Alarm	1 input, 1 output (max. 24 VDC/24 VAC, 1 A)			
Reset Key	Yes			
Event				
Basic Event	Motion detection (support alarm triggering by specified target types (human and			
Dasic Everit	vehicle)), video tampering alarm, exception			
	the late of the second			
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm			



Deep Learning Function				
Desimator Drotaction	Line crossing, intrusion			
Perimeter Protection	Support alarm triggering by specified target types (human and vehicle)			
General				
	12 VDC ± 25%, 1.08 A, max. 13 W, Ø5.5 mm coaxial power plug, reverse polarity			
Power	protection,			
	PoE: IEEE 802.3at, Class 4, max. 15 W			
Material	Aluminum alloy body			
Dimension	332.8 mm × 97.9 mm × 94.2 mm (13.1" × 3.9" × 3.7")			
Package Dimension	385 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")			
Weight	Approx. 1531 g (3.4 lb.)			
With Package Weight	Approx. 2000 g (4.4 lb.)			
Storage Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F). Humidity 95% or less (non-condensing)			
Language	33 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), Ukrainian			
General Function	Heartbeat, mirror, flash log, password reset via email, pixel counter, anti-banding			
Approval				
EMC	CE-EMC: EN 55032:2015+A1:2020, EN 50130-4:2011+A1:2014, EN IEC 61000-3-2:2019+A1:2021, EN 61000-3-3:2013+A1:2019+A2:2021, RCM: AS/NZS CISPR 32: 2015, IC: ICES-003: Issue 7, KC: KN32: 2015, KN35: 2015			
Safety	CB: IEC 62368-1: 2014+A11, CE-LVD: EN 62368-1: 2014/A11: 2017, BIS: IS 13252 (Part 1): 2010/IEC 60950-1: 2005, LOA: IEC/EN 60950-1			
Environment	CE-RoHS: 2011/65/EU, WEEE: 2012/19/EU, Reach: Regulation (EC) No 1907/2006			
Protection	IP67: IEC 60529-2013, IK10: IEC 62262:2002			

Typical Application

Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

This model has NO SPECIFIC PROTECTION.

Level	Description			
	Hikvision products at this level are equipped for use in areas where professional			
Top-level protection	anti-corrosion protection is a must. Typical application scenarios include coastlines,			
	docks, chemical plants, and more.			
	Hikvision products at this level are equipped for use in areas with moderate			
Moderate protection	anti-corrosion demands. Typical application scenarios include coastal areas about 2			
	kilometers (1.24 miles) away from coastlines, as well as areas affected by acid rain.			



No specific protection	Hikvision products at this level are equipped for use in areas where no specific	
	anti-corrosion protection is needed.	

Available Model

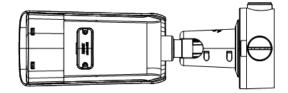
DS-2CD2683G2-LIZS2U(2.8-12mm)

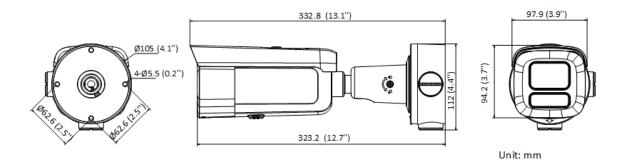
DS-2CD2683G2-LIZS2U(2.8-12mm)(Black)

DS-2CD2683G2-LIZS2U(2.8-12mm)(T)

DS-2CD2683G2-LIZS2U(2.8-12mm)(T)(Black)

Dimension





Accessory

Optional

DS-1275ZJ-SUS Vertical pole mount	DS-1276ZJ-SUS Corner mount	DS-1260ZJ Junction box	DS-1275ZJ-S-SUS Vertical pole mount
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