

DS-2CD3688G2T-LIZS(Y) 8 MP Dual Illumination Varifocal Bullet Network Camera





- High quality imaging with 8 MP resolution
- Smart Dual-Light: advanced technology with long range
- Clear imaging against strong back light due to 120 dB WDR technology
- Efficient H.265+ compression technology
- Motorized varifocal lens for easy installation and monitoring
- Focus on human and vehicle classification based on deep learning
- Water and dust resistant (IP67) and vandal resistant (IK10)



# Specification

image Sensor   1/1.8" Progressive Scan CMOS     Max. Resolution   3840 × 2160     Max. Resolution   2840 × 2160     Min. Illumination   Color. 0.0028 Lux @ (F1.2, AGC ON), 0 Lux with light     Shutter Time   1/3 is to 1/400.000 s     Day & Night   IR cut filter     Angle Adjustment   Pai:" to 355", tilt: 0" to 90", rotate: 0" to 360"     Lens   The Color of the Co	Camera			
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Fourth Stream   60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)	Third Stream	60 Hz: 10 fps (1920 × 1080, 1280 × 720, 640 × 480, 640 × 360)		
	Fourth Stream	60 Hz: 10 fps (1280 × 720, 640 × 480, 640 × 360)		



.

	Main stream: H.265/H.264/H.264+/H.265+,
	Sub-stream: H.265/H.264/MJPEG,
Video Compression	Third stream: H.265/H.264,
	Fourth stream: H.265/H.264/MJPEG,
	*Third stream and fourth stream are supported under certain settings.
Video Bit Rate	32 Kbps to 16 Mbps
Н.264 Туре	Baseline Profile, Main Profile, High Profile
Н.265 Туре	Main Profile
Bit Rate Control	CBR, VBR
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Region of Interest (ROI)	5 fixed regions for main stream and sub-stream
Target Cropping	Yes
Audio	
Audio Compression	G.711ulaw/G.711alaw/G.722.1/G.726/MP2L2/PCM/MP3/AAC-LC
	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 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/44.1 kHz/48 kHz
Environment Noise Filtering	Yes
Network	
	TCP/IP, ICMP, HTTP, HTTPS, FTP, DHCP, DNS, DDNS, RTP, RTSP, NTP, UPnP, SMTP,
Protocols	IGMP, 802.1X, QoS, IPv4, IPv6, UDP, Bonjour, SSL/TLS, PPPoE, SFTP, ARP, SNMP,
	WebSocket, WebSockets, SRTP
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface (Profile S, Profile G, Profile T), ISAPI, SDK, ISUP
	Up to 32 users
User/Host	3 user levels: administrator, operator, and user
	Password protection, complicated password, HTTPS encryption, 802.1X authentication
	(EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest
Security	authentication for HTTP/HTTPS, WSSE and digest authentication for Open Network
	Video Interface, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS
	1.1/1.2/1.3, host authentication (MAC address)
	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 10, IE 11,
Web Browser	Plug-in free live view: Chrome 57.0+, Firefox 52.0+, Edge 89+,
	Local service: Chrome 57.0+, Firefox 52.0+, Edge 89+
Image	
Image Parameters Switch	Yes
	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance,
Image Settings	adjustable by client software or web browser
Day/Night Switch	Day, Night, Auto, Schedule
Wide Dynamic Range (WDR)	120 dB
Image Enhancement	BLC, HLC, 3D DNR, DEFOG



.

Privacy Mask	4 programmable polygon privacy masks
Interface	
Ethernet Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port
On-Board Storage	Built-in memory card slot, support microSD/microSDHC/microSDXC card, up to 512 GB
on-board Storage	1 input (line in), two-core terminal block, max. input amplitude: 3.3 Vpp, input
	impedance: 4.7 K $\Omega$ , interface type: non-equilibrium,
Audio	1 output (line out), two-core terminal block, max. output amplitude: 3.3 Vpp, output
	impedance: 100 $\Omega$ , interface type: non-equilibrium
Alarm	2 inputs, 2 outputs (max. 24 VDC/24 VAC, 1 A)
Reset Key	Yes
-	
Power Output	12 VDC, max. 100 mA
Event	
Basic Event	Motion detection (support alarm triggering by specified target types (human and
	vehicle)), video tampering alarm, exception
Create the France	Line crossing detection, intrusion detection, region entrance detection, region exiting
Smart Event	detection (support alarm triggered by specified target types (human and vehicle)),
	scene change detection, audio exception detection, defocus detection
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger
-	recording, trigger capture, trigger alarm output, audible warning
Deep Learning Function	
Face Capture	Yes
People Counting	Yes
General	
	12 VDC ± 25%, 1.21 A, max. 14.5 W, Ø5.5 mm coaxial power plug, reverse polarity
Power	protection,
	PoE: IEEE 802.3at, Class 4, max. 18 W
Material	Front cover: Metal, body: Metal, bracket: Metal
Dimension	334 mm × 97.9 mm × 95.7 mm (13.2" × 3.9" × 3.8")
Package Dimension	386 mm × 190 mm × 180 mm (15.2" × 7.5" × 7.1")
Weight	Approx. 1085 g (2.4 lb.)
With Package Weight	Approx. 1639 g (3.6 lb.)
General Function	Heartbeat, anti-banding, mirror, flash log, password reset via email, pixel counter
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)
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,
	Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish,
Language	Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese,
	Thai, Vietnamese, Japanese, Latvian, Lithuanian, Portuguese (Brazil), Ukrainian
Approval	
	FCC: 47 CFR Part 15, Subpart B,
EMC	CE-EMC: EN 55032: 2015, EN 61000-3-2:2019, EN 61000-3-3: 2013+A1:2019, EN
	50130-4: 2011 +A1: 2014
Safety	UL: UL 62368-1,
	CB: IEC 62368-1: 2014+A11,
Salely	
Salety	CE-LVD: EN 62368-1: 2014/A11: 2017



Environment	CE-RoHS: 2011/65/EU
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.

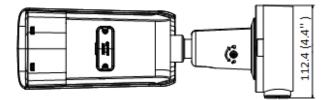
This model has NO SPECIFIC PROTECTION.

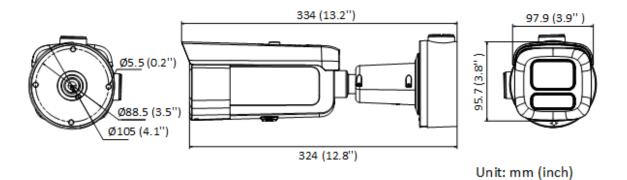
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and more.
Moderate protection	Hikvision products at this level are equipped for use in areas with moderate 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-2CD3688G2T-LIZS (2.7 to 13.5 mm)

## Dimension







- Accessory
- Included



#### Optional



Headquarters

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Hikvision Corporate Channel



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