

DS-2XE68x5G0-IZHS

High Resolution Explosion-Proof Network Bullet Camera Series



Hikvision's DS-2XE68x5G0-IZHS Explosion-Proof Network Bullet Camera Series feature 2 MP or 8 MP resolution and 2.8 mm to 12 mm or 8 mm to 32 mm Lens options. On-board storage of up to 256 GB via a microSD card offers added functionality. H.265, H.265+, H.264, and H.264+ video compression options saves storage space and bandwidth.

- 2 MP or 8 MP High Resolution Options
- 2.8 mm to 12 mm or 8 mm to 32 mm Lens Option
- 120 dB Wide Dynamic Range
- H.265, H.265+, H.264, H.264+
- On-Board Storage up to 256 GB
- ATEX: Ex II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68
- IECEx: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68
- UL(Zone): Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T80°C
- cUL(Zone): Ex db IIC T6 Gb X Ex tb IIIC T80°C Db X
- UL/cUL (Division): Class I, Division 2, Groups A,B,C and D,T6; Class II, Division 2, Groups F and G,T80°C

Available Models

DS-2XE6825G0-IZHS (2.8 mm to 12 mm): 2 MP

DS-2XE6825G0-IZHS (8 mm to 32 mm): 2 MP

DS-2XE6885G0-IZHS (2.8 mm to 12 mm): 8 MP


DS-2XE6885G0-IZHS (8 mm to 32 mm): 8 MP



Specifications

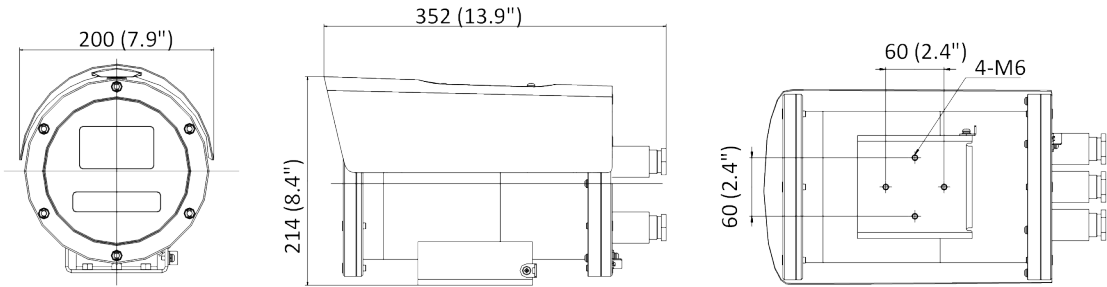
		DS-2XE682560-IZHS	DS-2XE688560-IZHS
Camera			
	Image Sensor	1/2.8" progressive scan CMOS	1/2" progressive scan CMOS
Minimum Illumination	2.8 to 12 mm	Color: 0.012 lux @ (f/1.4, AGC on), B/W: 0.0012 lux @ (f/1.4, AGC on), 0 lux with IR	Color: 0.012 lux @ (f/1.4, AGC on), B/W: 0.0012 lux @ (f/1.4, AGC on), 0 lux with IR
	8 to 32 mm	Color: 0.018 lux @ (f/1.7, AGC on), B/W: 0.0018 lux @ (f/1.7, AGC on), 0 lux with IR	Color: 0.018 lux @ (f/1.7, AGC on), B/W: 0.0018 lux @ (f/1.7, AGC on), 0 lux with IR
	Shutter Speed	1s to 1/100,000 s	
	Slow Shutter	Yes	
	Day/Night	IR cut filter	
	WDR	120 dB	
Lens			
	Lens Type	Varifocal lens, 2.8 mm to 12 mm or 8 mm to 32 mm lens	
	Auto-Iris	DC drive	
Aperture	2.8 mm to 12 mm	f/1.4	
	8 mm to 32 mm	f/1.7, constant f/1.7 throughout the zoom range	
	Focus	Auto, semi-auto, manual	
FOV	2.8 mm to 12 mm	Horizontal FOV 115° to 42°, vertical FOV 59° to 24°, diagonal FOV 141° to 48°	Horizontal FOV 112° to 41°, vertical FOV 58° to 23°, diagonal FOV 137° to 47°
	8 mm to 32 mm	Horizontal FOV 43° to 15°, vertical FOV 23° to 9°, diagonal FOV 50° to 17°	Horizontal FOV 42° to 15°, vertical FOV 23° to 8°, diagonal FOV 49° to 17°
	Lens Mount	Integrated	
Illuminator			
	IR Range	Up to 330 ft (100 m)	
	Wavelength	850 nm	
Video			
	Maximum Resolution	1920 × 1080	3840 × 2160
	Video Streams	5 defined streams	
Main Stream	50 Hz	50 fps (1920 × 1080, 1280 × 720)	25 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
	60 Hz	60 fps (1920 × 1080, 1280 × 720)	30 fps (3840 × 2160, 3072 × 1728, 2560 × 1440, 1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz	25 fps (704 × 576, 640 × 480)	
	60 Hz	30 fps (704 × 576, 640 × 480)	
Third Stream	50 Hz	25 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)	
	60 Hz	30 fps (1920 × 1080, 1280 × 720, 704 × 576, 640 × 480)	
Fourth Stream	50 Hz	25 fps (704 × 576, 640 × 480)	
	60 Hz	30 fps (704 × 576, 640 × 480)	
Fifth Stream	50 Hz	25 fps (704 × 576, 640 × 480)	
	60 Hz	30 fps (704 × 576, 640 × 480)	
Video Compression	Main stream	H.265+/H.265/H.264+/H.264	
	Sub stream	H.265/H.264/MJPEG	
	Third stream	H.265/H.264/MJPEG	
	Fourth stream	H.265/H.264/MJPEG	
	Fifth stream	H.265/H.264/MJPEG	
	H.264 Type	Baseline Profile/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	
	SVC	H.265 and H.264 support	
Audio			
	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)/32-192 Kbps (MP2L2)	
	Environment Noise Filtering	Yes	
	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz	
Smart Features			
Smart Event		Line crossing detection, up to 4 lines configurable	
		Intrusion detection, up to 4 regions configurable	
		Region entrance detection, up to 4 regions configurable	
		Region exiting detection, up to 4 regions configurable	
		Unattended baggage detection, up to 4 regions configurable	
		Object removal detection, up to 4 regions configurable	
Basic Event		Scene change detection, audio exception detection, defocus detection	
		Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)	
Face Capture		Detects up to 40 faces simultaneously	
Hard Hat Detection		Detects up to 30 human targets simultaneously	
Linkage Method		Supports up to 4 shield regions	
		Upload to FTP/NAS/memory card, notify surveillance center, send e-mail, trigger alarm output, trigger recording, trigger capture	
Region of Interest		4 fixed regions for main stream, sub stream, and third stream, and dynamic face tracking	

Specifications (continued)

	DS-2XE6825G0-IZHS	DS-2XE6885G0-IZHS
Image		
Image Enhancement	BLC, HLC, defog, EIS, distortion correction, 3D DNR	
Image Settings	Saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or Web browser	
Target Cropping	Yes	
Day/Night Switch	Day/Night/Auto/Schedule/Triggered by alarm in	
Picture Overlay	Logo picture can be overlaid on video with 128 × 128 24-bit bmp format	
Network		
Network Storage	Supports microSD/SDHC/SDXC card (256 GB), local storage, and NAS (NFS, SMB/CIFS), ANR If used with a Hikvision high-end class memory card ¹ , memory card encryption and health detection are supported	
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, SSL/TLS	
API	ONVIF (PROFILE S, PROFILE G), ISAPI, SDK	
Security	Password protection, complicated password, HTTPS encryption, 802.1x authentication (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 20 channels	
User/Host Client	Up to 32 users. 3 user levels: administrator, operator, and user iVMS-4200, Hik-Connect, HikCentral	
Web Browser	Plug-in required live view: IE8-11 Plug-in free live view: Mozilla Firefox 52+	
Interface		
Communication Interface	1 RJ-45 10M/100M self-adaptive Ethernet port, optical interface FC RS-485 (half duplex, HIKVISION, Pelco-P, Pelco-D, self-adaptive)	
Audio	1 line in/out	
Alarm	1 input, 1 output (maximum 24 VDC, 1 A or 110 VAC 500 mA)	
Interface Style	Connector panel	
Video Out	1Vp-p composite output (75 Ω/CVBS)	
On-Board Storage	Built-in microSD/SDHC/SDXC slot, up to 256 GB	
General		
Firmware Version	V5.5.96	
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)	
General Function	Anti-flicker, heartbeat, mirror, privacy mask, pixel counter	
Reset	Reset via reset button on camera body, Web browser, and client software	
Startup and Operating Conditions	-40° to +60° C (-40° to +140° F), humidity 95% or less (non-condensing)	
Storage Conditions	-30° to +60° C (-22° to +140° F), humidity 95% or less (non-condensing)	
Power Supply	100 to 240 VAC, PoE (42.5 to 57 V, 802.3 at), terminal block	
Power Consumption and Current	100 to 240 VAC, 0.4 A, maximum 18 W; PoE (802.3at, 42.5 to 57 V), 0.55 to 0.45 A, maximum 18 W	
Material	Stainless steel 316L and anti-corrosion coating	
Heater	Yes	
Dimensions	Camera: 352 mm × 200 mm × 214 mm (13.6" × 7.9" × 8.4") With package: 438 mm × 283 mm × 303 mm (17.2" × 11.1" × 11.9")	
Weight	Camera: 14 kg (37.5 lb) With package: 15 kg (40.2 lb)	
Approvals		
EMC	47 CFR Part 15, Subpart B; EN 55032: 2015, EN 61000-3-2: 2014, EN 61000-3-3: 2013, EN 50130-4: 2011 +A1: 2014; AS/NZS CISPR 32: 2015; ICES-003: Issue 6, 2016; KN 32: 2015, KN 35: 2015	
Safety	UL 60950-1, IEC 60950-1:2005 + Am 1:2009 + Am 2:2013, EN 60950-1:2005 + Am 1:2009 + Am 2:2013, IS 13252(Part 1):2010+A1:2013+A2:2015	
Environment	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006	
Protection	IP68 (IEC 60529-2013) Explosion-proof: ATEX: Ex II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 UL(Zone): Class I, Zone 1, AEx db IIC T6 Zone 21, AEx tb IIIC T80°C cUL(Zone): Ex db IIC T6 Gb X Ex tb IIIC T80°C Db X UL/cUL (Division): Class I, Division 2, Groups A,B,C and D,T6; Class II, Division 2, Groups F and G,T80°C  Anti-Corrosion: NEMA 4X (NEMA 250-2014), C5 (ISO 6270-1, ISO 9227)	
Explosion-Proof Certificate	ATEX: Ex II 2 G D Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 IECEx: Ex db IIC T6 Gb/Ex tb IIIC T80°C Db IP68 For explosive gas atmospheres, the maximum surface temperature is 85° C For flammable dust atmospheres, the maximum surface temperature is 80° C IIC: for explosive gas atmospheres other than mines susceptible to firedamp For explosive gas mixture atmospheres: Zone 1, Zone 2, Zone 21, Zone 22	

¹You are recommended to purchase the memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.

Dimensions



Unit: mm (inch)

Accessories

