


DS-2XE6045G0-I(S)(M)

4 MP Explosion-Proof Network Bullet Camera



ATEX:  II 2GD 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

Key Features

- Up to 4 MP high resolution
- 4 mm/6 mm/8 mm lens optional
- 120dB Wide Dynamic Range
- H.265, H.265+, H.264, H.264+
- Three video streams
- 6 behavior analyses, 3 exception detections, and face detection
- Support on-board storage, up to 128GB
- IR range: 30 m



Specifications

Camera	
Image Sensor	1/2.7" Progressive Scan CMOS
Min. Illumination	Color: 0.009 Lux @(F1.6,AGC ON) B/W: 0.002 Lux @(F1.6,AGC ON), 0 Lux with IR on
Shutter Speed	1 s to 1/100,000 s
Slow Shutter	Yes
Day & Night	IR cut filter
WDR	120 dB
Angle Adjustment	Pan: 0° to 90°, tilt: 0° to 60°
Lens	
Lens Type	Fixed lens, 4, 6, 8 mm
Aperture	F1.6
Focus	No
FOV	4 mm, horizontal FOV: 78.4°, vertical FOV: 42°, diagonal FOV: 93.8° 6 mm, horizontal FOV: 48.8°, vertical FOV: 26.4°, diagonal FOV: 56.8° 8 mm, horizontal FOV: 37.5°, vertical FOV: 20.7°, diagonal FOV: 43.3°
Lens Mount	M12
Illuminator	
IR Range	Up to 30 m
Wavelength	850 nm
Video	
Max. Resolution	2560 × 1440
Video Stream	3 defined streams
Main Stream	50Hz: 25fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720), 60Hz: 24fps (2560 × 1440, 1920 × 1080, 1280 × 960, 1280 × 720)
Sub Stream	50Hz: 25fps (704 × 576, 352 × 288, 640 × 480, 320 × 240) 60Hz: 24fps (704 × 480, 352 × 240, 640 × 480, 320 × 240)
Third Steam	50Hz: 25fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 576, 352 × 288, 640 × 480, 320 × 240), 60Hz: 24fps (1920 × 1080, 1280 × 960, 1280 × 720, 704 × 480, 352 × 240, 640 × 480, 320 × 240)
Video Compression	Main stream: H.265/H.264 Sub stream: H.265/H.264/MJPEG Third stream: H.265/H.264
H.264 Type	Baseline profile/main profile/high profile
H.264+	Yes
H.265 Type	Main profile
H.265+	Yes
Video Bit Rate	32 Kbps to 16 Mbps
Scalable Video Coding (SVC)	H.264 and H.265 encoding
Audio	
Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/32Kbps(PCM)

Environment Noise Filtering	Yes
Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz
Smart Feature-set	
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 Face detection: detects faces and upload images Scene change detection, audio exception detection, defocus detection
Basic Event	Motion detection, video tampering alarm, exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, 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
Image	
Image Enhancement	BLC, HLC, Defog, EIS, Distortion Correction, 3D DNR
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, AGC, and white balance are adjustable by client software or web browser
Target Cropping	Yes
Day/Night Switch	Auto/Schedule/Day/Night/Triggered by Alarm In (-S)
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
Network	
Network Storage	microSD/SDHC/SDXC card (128 G), local storage and NAS (NFS, SMB/CIFS), ANR
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-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout settings, security audit log, TLS 1.2
Simultaneous Live View	Up to 20 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+, Chrome 41.0-44, Mozilla Firefox 30.0-51, Safari8.0-11 Plug-in free live view: Chrome 45+, Mozilla Firefox 52+
Interface	
Communication Interface	-I, -IS: 1 RJ45 10M/100M self-adaptive Ethernet port -IM: 4-core aviation plug
Audio (-S)	1 input (line in), 1 output (line out), terminal block, mono sound
Alarm (-S)	1 input, 1 output (12 VDC, 30 mA)
On-board storage	Built-in micro SD/SDHC/SDXC slot, up to 256 GB <i>*You are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.</i>
General	
Firmware Version	5.5.82

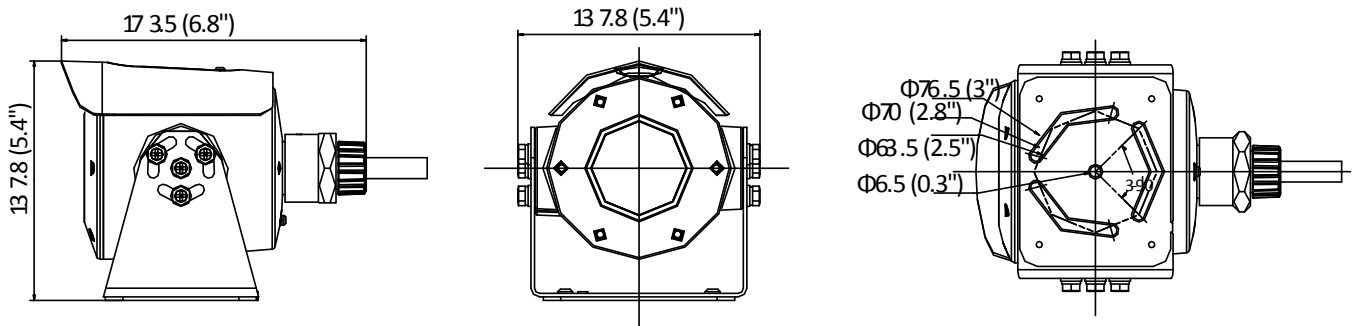
Web Client Language	31 languages English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian, Czech, Slovak, French, Polish, Dutch, Portuguese, Spanish, Romanian, Danish, Swedish, Norwegian, Finnish, Croatian, Slovenian, Serbian, Turkish, Korean, Traditional Chinese, Thai, Vietnamese, Japanese, Latvian, Lithuanian
General Function	Anti-flicker, 3 streams, heartbeat, mirror, regions of privacy mask, flash log, password reset via e-mail, pixel counter, control timeout settings
Reset	Reset via reset button on camera body, web browser and client software
Startup and Operating Conditions	-30 °C to 60 °C (-22 °F to 140 °F), humidity 95% or less (non-condensing)
Storage Conditions	-30 °C to 60 °C (-22 °F to 149 °F) Humidity 95% or less (non-condensing)
Power Supply	24 VDC, reverse polarity protection PoE: (802.3af, 36 to 57 VDC), 0.3 A to 0.2 A, max. 7.5 W -I/-IS: Ø5.5 mm coaxial power plug -IM: two-core WAGO connector
Power Consumption and Current	24 VDC, 0.3 A, max. 7.2W PoE: (802.3af, 36 to 57 VDC), 0.3 A to 0.2 A, max. 7.5 W (8 to 36 VDC supported)
Material	Aluminum alloy
Dimensions	Camera: 173.5 × 137.8 × 137.8 mm (6.8" × 5.4" × 5.4") With package: 313 × 213 × 208 mm (12.3" × 8.4" × 8.2")
Weight	Camera: 2.14 kg (4.71 lb.) With package: 2.86 kg (6.31 lb.)
Approval	
EMC	FCC: FCC-SDoC(ANSI C63.4,FCC Part15 sub B) CE: CE-EMC(EN 55024:2010 +A1:2015,EN 55032:2015,EN 61000-3-2:2014,EN 61000-3-3:2013) RCM: AS/NZS 60950.1:2003 + Am1, Am2 and Am3,AS/NZS CISPR 32:2015 IC: IC-VoC(ICES-003 Issue 7:2020) KC: K 60950-1(2011-12)
Safety	CB: IEC 60950-1 BIS: IS 13252(Part 1)2010+A1:2013+A2:2015 LOA: SANS IEC60950-1
Chemistry	CE: CE-RoHS(RoHS Directive 2011/65/EU+2015/863) Reach SVHC: Regulation (EC) No 1907/2006
Explosion-Proof	ATEX: 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.
Protection	IK08 (IEC 62262:2002), IP68 (IEC 60529-2013)
Automotive and Railway	EN 50155-2017 (-IS model not supported), EN 45545, E-MARK, R118, EN 45545-2013

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Available Models

DS-2XE6045G0-I (4/6/8 mm), DS-2XE6045G0-IS (4/6/8 mm), DS-2XE6045G0-IM (4/6/8 mm)

Dimension



Unit mm (inch)

Distributed by:



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