

## DS-2XE6422FWD-IZHRS (B)

### 2 MP Explosion-Proof Network Bullet Camera



- Explosion-proof design: the camera has passed international ATEX & IECEx certifications, and can be used in gas and dust hazardous scenarios
- 316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials
- IP68 water resistant, preventing water ingress for outdoor use
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces bandwidth requirements
- AC 100 V to 240 V wide range power supply: easy to deploy cables and safer compared to a power adapter solution



## ▪ Specification

Camera	
Shutter Speed	1/3s to 1/100,000s
Slow Shutter	Yes
P/N	P/N
Wide Dynamic Range	120 dB
Lens	
Focus	Auto, semi-auto, manual
Camera	
Image Sensor	1/1.8" Progressive Scan CMOS
Min. Illumination	Color: 0.0005 Lux @(F1.2, AGC ON) B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR
DNR	3D DNR
Day & Night	IR cut filter
Lens	2.8 mm to 12 mm, F1.4, horizontal FOV: 94° to 38°, vertical FOV: 49.9° to 21.3°, diagonal FOV: 112.3° to 43.5° 8 mm to 32 mm, F1.7, horizontal field of view: 42.5° to 15.1°, vertical FOV: 23.4° to 8.6°, diagonal FOV: 49.6° to 17.3°
Auto-Iris	DC drive
Video	
Max. Resolution	1920 × 1080
Main Stream	50 Hz: 25fps (1920 × 1080, 1280 × 720) 60 Hz: 30 fps (1920 × 1080, 1280 × 720)
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240) 60 Hz: 30fps (640 × 480, 640 × 360, 320 × 240)
Third Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240) 60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)
Video Compression	Main stream: H.265/H.264 Sub-stream: H.265/H.264/MJPEG Third stream: H.265/H.264
Video Bit Rate	32 Kbps~8 Mbps
H.264 Type	BaseLine Profile/Main Profile/High Profile
H.265 Type	Main Profile
H.264+	Main stream supports
H.265+	Main stream supports
Bit Rate Control	VBR/CBR
Scalable Video Coding (SVC)	H.265 and H.264 support
Region of Interest (ROI)	1 fixed region for main stream and sub-stream
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/AAC/MP3
Audio Bit Rate	64Kbps(G.711)/16Kbps(G.722.1)/16Kbps(G.726)/32-192Kbps(MP2L2)/8Kbps-320Kbps(MP3)
Audio Type	Mono sound

<b>Network</b>	
Simultaneous Live View	Up to 6 channels
API	Open Network Video Interface, ISAPI, SDK, Ehome
Protocols	TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS
User/Host	Up to 32 users, 3 levels: administrator, operator and user
Network Storage	microSD/SDHC/SDXC card (256 GB) local storage, and NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.
Client	iVMS-4200, Hik-Connect, Hik-Central
Web Browser	Plug-in required live view: IE8+, Chrome41.0~44, Firefox30.0~51, Safari8.0~11 Plug-in free live view: Chrome45.0+, Firefox52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge
<b>Image</b>	
Smart IR	The IR LEDs on camera should support Smart IR function to automatically adjust power to avoid image overexposure.
Day/Night Switch	Day/Night/Auto/Schedule
Target Cropping	Yes
Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS
Image Parameters Switch	Yes
Image Settings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser
SNR	≥50db
Privacy Mask	Yes
<b>Smart Feature-Set</b>	
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, Scene change detection, defocus detection
Exception Detection	Network disconnected, IP address conflict, illegal login, HDD full, HDD error
<b>General</b>	
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm output, trigger recording, trigger capture
Online Upgrade	Yes
Firmware Version	5.5.153
General Function	Anti- flicker, 3 streams, heartbeat, mirror, privacy masks, flash log, password reset via e-mail, pixel counter
Software Reset	Yes
<b>Audio</b>	
Audio I/O	1 line in/out

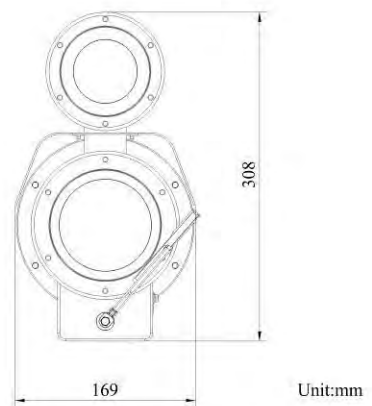
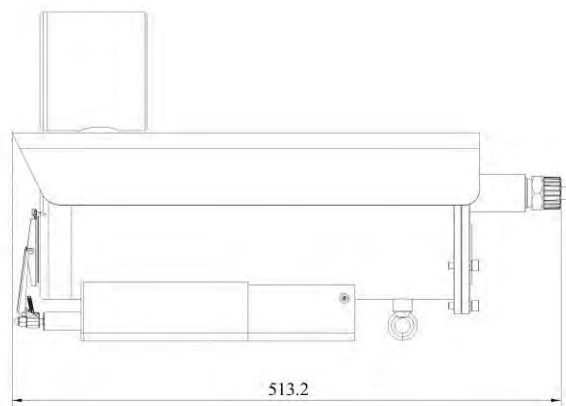
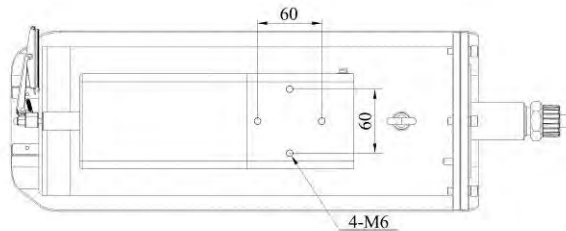
<b>Image</b>	
Picture Overlay	LOGO picture can be overlaid on video with 128 × 128 24bit bmp format
<b>Interface</b>	
Communication Interface	1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera with no wiper also supports RS-485
Alarm	2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)
Video Output	1Vp-p Composite Output (75Ω/BNC)
On-board Storage	Built-in microSD/SDHC/SDXC slot, up to 256GB
<b>Approval</b>	
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
Chemistry	2011/65/EU, 2012/19/EU, Regulation (EC) No 1907/2006
<b>IR</b>	
IR Range	2.8 mm to 12 mm lens: up to 80 m (262.5 ft.) 8 mm to 32 mm lens: up to 150 m (492.1 ft.)
<b>Smart Feature-set</b>	
Line Crossing Detection	Cross a pre-defined virtual line
Intrusion Detection	Enter and loiter in a pre-defined virtual region
Behavior Analysis	Line crossing detection, intrusion detection, region entrance detection, region exiting detection, unattended baggage detection, object removal detection
Region Entrance	Enter a pre-defined virtual region from the outside place
Region Exit	Exit from a pre-defined virtual region
Unattended Baggage	Objects left over in the pre-defined region such as the baggage, purse, dangerous materials
Object Removal	Objects removed from the pre-defined region, such as the exhibits on display.
<b>General</b>	
Power Supply	100 VAC to 240 VAC, three-core terminal block PoE (802.3at, class 4)
Material	316L+Anti-corrosion coating
Dimensions	513.2 × 169 × 308 mm (20.2"× 6.65" × 12.13") Package: 753 × 313 × 424 mm (29.65" × 12.32" × 16.69")
Weight	17.8 kg (39.24 lb.); with package, 19.8 kg (43.65lb.)
Power Consumption	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6W; PoE (802.3at, 42.5 V to 57 V), 0.56 A to 0.42 A, max. 23.6W
Heater	Yes
Wiper	Yes
Explosion-proof Certificate	ATEX: II 2 G Ex db op is IIC T6 Gb/ II 2D Ex tb op is IIIC T80°C Db IECEX: Ex db IIC T6 Gb /Ex tb IIIC T80°C Db 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.

*\*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.*

▪ **Available Model**



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▪ **Dimension**

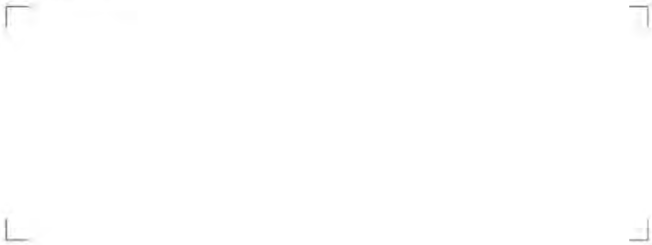


▪ **Accessory**

▪ **Optional**

DS-2780ZJ-X/316 L(OS) Junction box	DS-1707ZJ-Y-AC( OS) Wall mount
	

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