

# DS-2XE6422FWD-IZHRS(D) 2 MP Explosion-Proof Network Bullet Camera





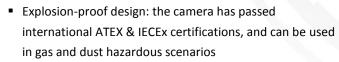












- 316L stainless steel enclosure and anti-corrosion spray treatment, protecting the camera from damage caused by sparks or corrosive materials
- IP68 water resistant, preventing water ingress for outdoor
- H.265+/H.265/H.264+/H.264 encoding: efficient compression technology saves storage space and reduces 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				
Image Sensor	1/1.8" Progressive Scan CMOS			
Max. Resolution	1920 × 1080			
Min. Illumination	Color: 0.0005 Lux @(F1.2, AGC ON), B/W: 0.0001 Lux @(F1.2, AGC ON), 0 Lux with IR			
Shutter Speed	1/3 s to 1/100,000 s			
Day & Night	IR cut filter			
Lens				
Focus	Auto, semi-auto, manual			
Lens Type	Varifocal lens, motorized lens, 2.8 to 12 mm and 8 to 32 mm optional			
,,	2.8 mm to 12 mm, horizontal FOV: 94° to 38°, vertical FOV: 49.9° to 21.3°, diagonal			
	FOV: 112.3° to 43.5°			
Focal Length & FOV	8 mm to 32 mm, horizontal FOV 42.5° to 15.1°, vertical FOV: 23.4° to 8.6°, diagonal			
	FOV: 49.6° to 17.3°			
Iris Type	Auto-iris			
	2.8 mm to 12 mm: F1.4			
Aperture	8 mm to 32 mm: F1.7			
DORI				
	2.8 to 12 mm:			
	D: 44.1 to 151.7 m, O: 17.5 to 60.2 m, R: 8.8 to 30.3 m, I: 4.4 to 15.2 m			
DORI	8 to 32 mm:			
	D: 150.3 to 400 m, O: 59.7 to 158.7 m, R: 30.1 to 80 m, I: 15 to 40 m			
Illuminator				
Supplement Light Type	IR			
Cumplement Light Dance	2.8 mm to 12 mm lens: up to 80 m			
Supplement Light Range	8 mm to 32 mm lens: up to 150 m			
Smart Supplement Light	Yes			
IR Wavelength	Up to 850 nm			
Video				
Main Stream	50 Hz: 25 fps (1920 × 1080, 1280 × 720)			
Main Stream	60 Hz: 30 fps (1920 × 1080, 1280 × 720)			
Sub-Stream	50 Hz: 25 fps (640 × 480, 640 × 360, 320 × 240)			
Sub-Stream	60 Hz: 30 fps (640 × 480, 640 × 360, 320 × 240)			
Third Stream	50 Hz: 25 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)			
minu Stream	60 Hz: 30 fps (1280 × 720, 640 × 480, 640 × 360, 320 × 240)			
	Main stream: H.265/H.264/H.265+/H.264+			
Video Compression	Sub-stream: H.265/H.264/MJPEG			
	Third stream: H.265/H.264			
Video Bit Rate	32 Kbps to 8 Mbps			
H.264 Type	BaseLine Profile/Main Profile/High Profile			
H.265 Type	Main Profile			
Bit Rate Control	VBR/CBR			
Scalable Video Coding (SVC)	H.265 and H.264 encoding			
Region of Interest (ROI)	1 fixed region for main stream and sub-stream			



Audio Senvironment Noise Filtering Audio Sampling Rate  8. kHz/16 kHz/32 kHz/4.1 kHz/48 kHz  Audio Compression  G.711/G.722.1/G.725/MP2L2/PCM/AAC/MP3  Audio Bit Rate  320 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 Kbps to 320 Kbps (MP3)  Audio Type  Mono sound  Network  Simultaneous Live View  Up to 6 channels  API  Open Network Video Interface, ISAPI, SDK, Ehome  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPPP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS  User/Host  Up to 32 users, 3 levels: administrator, operator and user  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.  Web Browser  Local service: Chrome 57.0+, Firefox 52.0+  Local service: Chrome 57.0+, Firefox 52.0+  Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR)  Day/Night Switch  Day/Night Switch  Day/Night Switch  Day/Night Mutco/Schedule  Image Enhancement  BLC, HLC, 30 DNR, Defog, EIS  Rotae ende, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SRR  2 50 dB  Privacy Mask  8 programmable polygon privacy mask  Interface  Video Output  1 Vp-p Composite Output (75 C/NIC)  Ethernet Interface  After ordering, the memory card will be installed to product during monutpocturing.  Audio  1 Input (line in), 1 output (line out)  Alarm  Exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)	Target Cropping	Yes		
Audio Sampling Rate Audio Compression G.711/G.722.1/G.726/MP212/PCM/AAC/MP3  Audio Bit Rate 320 Kbps (G.712.1)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 Kbps to 320 Kbps (MP3)  Audio Type Mono sound Network  Simultaneous Live View Up to 6 channels API Open Network Video Interface, ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnB, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS User/Host Up to 32 users, 3 levels: administrator, operator and user NAS (NRS, SMB/CIFS), auto network replenishment (ANR) Together with high-end Hikvision memory card, memory card encryption and health detection are supported.  Limbs-1200, Hik-Connect, Hik-Central Plug-in required live view: E8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in required live view: E8+, Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) 120 dB Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Day/Night Switch Day/Night Watch/Schedule Image Enhancement BLC, HLC, 3D DNR, Defog, EIS Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR  > 50 dB Privary Mask Privary Mask  1 Vp-p Composite Output (75 Ω/BNC) 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485 Built-in memory card slot, support microSD/SDMC/SDXC card, up to 256 GB *You are recommended to purchose memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing. Audio 1 input (line in), 1 output (line out) Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)	Audio			
Audio Compression G.711/G.722.1/G.726/MP2L2/PCM/AAC/MP3 Audio Bit Rate 320 Kbps (MP3) Audio Type Mono sound Network Simultaneous Live View Up to 6 channels API Open Network Video Interface, ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS User/Host Up to 32 users, 3 levels: administrator, operator and user NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Network Storage NAS (NFS, SMB/CIFS), auto network replenishment (ANR) Network Storage Illiance Ill	Environment Noise Filtering	Yes		
Audio Bit Rate 320 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 Kbps to 320 Kbps (MP3)  Audio Type Mono sound  Network  Simultaneous Live View  API Open Network Video Interface, ISAPI, SDK, Ehome  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, IJPOP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, SSL/TLS  User/Host Up to 32 users, 3 levels: administrator, operator and user  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 Plug-in required live view: E8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) Day/Night Switch Day/Night/Auto/Schedule Image Enhancement BLC, HLC, 30 DNR, Defog, EIS Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR 2 50 dB Privacy Mask B programmable polygon privacy mask Interface  Video Output 1 Vp-p Composite Output (75 Ω/BNC) 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB "You are recommended to purchose memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing. Audio 1 input (line in), 1 output (line out) 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event	Audio Sampling Rate	8 kHz/16 kHz/32 kHz/44.1 kHz/48 kHz		
Audio Bit Rate  320 Kbps (MP3)  Audio Type  Mono sound  Network  Simultaneous Live View  Up to 6 channels  API  Open Network Video Interface, ISAPI, SDK, Ehome  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, DPPOE, NTP, SMB/CIFS), auto network replenishment (ANR)  Network Storage  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  Plug-in required live view: E. 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+  Local service: Chrome 57.0+, Firefox 52.0+  Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR)  120 dB  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch  Day/Night Switch  Day/Night/Auto/Schedule  Image Enhancement  BLC, HLC, 3D DNR, Defog, EIS  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR  ≥ 50 dB  Privacy Mask  8 programmable polygon privacy mask  Interface  Video Output  1 Vp-p Composite Output (75 Ω/BNC)  Ethernet Interface  1 RN45 10 M/100 M self-adaptive Ethernet port,  Camera without wiper also supports R5-485  Bulli-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  "You are recommended to purchose memory card together with the product if needed.  After ordering, the memory card will be installed to product during manufocturing.  Local service:  Local service: Local manufacturing.  Local service: Chrome 41.0 to 44, Firefox 52.0 Hards and the service and services	Audio Compression	G.711/G.722.1/G.726/MP2L2/PCM/AAC/MP3		
Audio Type Mono sound	Audio Rit Rate	64 Kbps (G.711)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 Kbps to		
Network  Simultaneous Live View  API Open Network Video Interface, ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPNP, SMTP, IGMP, 802.1X, QoS, IPV6, UDP, SSL/TLS User/Host Up to 32 users, 3 levels: administrator, operator and user 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 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) 120 dB Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Day/Night Switch Day/Night/Auto/Schedule Image Enhancement BLC, HLC, 3D DNR, Defog, EIS Image Parameters Switch Yes Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  \$ 50 dB Privacy Mask \$ programmable polygon privacy mask Interface Video Output 1 Vp-p Composite Output (75 O/BNC) Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports R5-485 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB "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. 1 input (line in), 1 output (line out) Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)	Addio bit Nate	320 Kbps (MP3)		
Simultaneous Live View  API Open Network Video Interface, ISAPI, SDK, Ehome TCP/IP, ICMP, HTTP, HTTPS, FTP, STP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPP, SMTP, SMMP, IGMP, 802.1X, QoS, IPV6, UDP, SSL/TLS User/Host Up to 32 users, 3 levels: administrator, operator and user 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 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) 120 dB Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Day/Night Switch Day/Night/Auto/Schedule 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 ≥ 50 dB Privacy Mask 8 programmable polygon privacy mask Interface Video Output 1 VP-p Composite Output (75 Ω/BNC) Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB On-Board Storage 4 You are recommended to purchose memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing. Audio 1 input (line in), 1 output (line out) Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)	Audio Type	Mono sound		
API Open Network Video Interface, ISAPI, SDK, Ehome  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPoE, NTP, UPnP, SMTP, SMTP, SMTP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS  User/Host Up to 32 users, 3 levels: administrator, operator and user  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 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR) 120 dB  Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch Day/Night/Auto/Schedule  Image Enhancement BLC, HLC, 3D DNR, Defog, EIS  Image Parameters Switch Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR ≥ 50 dB  Privacy Mask 8 programmable polygon privacy mask  Interface  Video Output 1 Vp-p Composite Output (75 Ω/BNC)  £ Hernet Interface 2 1 Vp-p Composite Output (75 Ω/BNC)  £ Hernet Interface 3 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  *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.  Audio 1 input (line in), 1 output (line out)  Alarm 2 slarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)	Network			
Protocols  TCP/IP, ICMP, HTTP, HTTPS, FTP, SFTP, DHCP, DNS, DDNS, RTP, RTSP, RTCP, PPPOE, NTP, UPnP, SMTP, SMTP, SMMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS  Up to 32 users, 3 levels: administrator, operator and user  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  VMS-4200, Hik-Connect, Hik-Central  Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+	Simultaneous Live View	Up to 6 channels		
Protocols  NTP,UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS  User/Host  Up to 32 users, 3 levels: administrator, operator and user  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  Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+  Local service: Chrome 57.0+, Firefox 52.0+  Not recommended: Safari 11+, Edge  Wide Dynamic Range (WDR)  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch  Day/Night/Auto/Schedule  Image Enhancement  BLC, HLC, 3D DNR, Defog, EIS  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR  ≥ 50 dB  Privacy Mask  Interface  Video Output  1 Vp-p Composite Output (75 Ω/BNC)  Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485  Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  *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.  Audio  1 input (line in), 1 output (line out)  Alarm  2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)	API	Open Network Video Interface, ISAPI, SDK, Ehome		
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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 Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) 120 dB Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Day/Night Switch Day/Night/Auto/Schedule Image Enhancement BLC, HLC, 3D DNR, Defog, EIS Image Parameters Switch Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR 2 50 dB Privacy Mask 8 programmable polygon privacy mask Interface Video Output 1 Vp-p Composite Output (75 Ω/BNC) Ethernet Interface 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485  Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB *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.  Audio 1 input (line in), 1 output (line out) Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event	Trotocois	NTP, UPnP, SMTP, SNMP, IGMP, 802.1X, QoS, IPv6, UDP, SSL/TLS		
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detection are supported.  Client  iVMS-4200, Hik-Connect, Hik-Central  Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+  Local service: Chrome 57.0+, Firefox 52.0+  Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR)  120 dB  Picture Overlay  LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch  Day/Night/Auto/Schedule  Image Enhancement  BLC, HLC, 3D DNR, Defog, EIS  Image Parameters Switch  Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR  ≥ 50 dB  Privacy Mask  **nergammable polygon privacy mask  Interface  Video Output  1 Vp-p Composite Output (75 Ω/BNC)  Ethernet Interface  Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  **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.  Audio  1 input (line in), 1 output (line out)  Alarm  2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event		NAS (NFS, SMB/CIFS), auto network replenishment (ANR)		
Client iVMS-4200, Hik-Connect, Hik-Central  Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11  Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR) 120 dB  Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch Day/Night/Auto/Schedule  Image Parameters Switch Yes  Image Parameters Switch Yes  Image Settings Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR ≥ 50 dB  Privacy Mask 8 programmable polygon privacy mask  Interface  Video Output 1 Vp-p Composite Output (75 Ω/BNC)  Ethernet Interface 2 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485  On-Board Storage **vou are recommended to purchase memory card together with the product if needed. After ordering, the memory card will be installed to product during manufacturing.  Audio 1 input (line in), 1 output (line out)  Event	Network Storage	Together with high-end Hikvision memory card, memory card encryption and health		
Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11 Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image Wide Dynamic Range (WDR) Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format Day/Night Switch Day/Night/Auto/Schedule Image Enhancement BLC, HLC, 3D DNR, Defog, EIS Image Parameters Switch Ves Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser SNR ≥ 50 dB Privacy Mask Interface Video Output 1 Vp-p Composite Output (75 Ω/BNC) Ethernet Interface  1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  *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.  Audio 1 input (line in), 1 output (line out) Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event		detection are supported.		
Plug-in free live view: Chrome 45.0+, Firefox 52.0+ Local service: Chrome 57.0+, Firefox 52.0+ Not recommended: Safari 11+, Edge  Image  Wide Dynamic Range (WDR) 120 dB  Picture Overlay LOGO picture can be overlaid on video with 128 × 128 24bit bmp format  Day/Night Switch Day/Night/Auto/Schedule Image Enhancement BLC, HLC, 3D DNR, Defog, EIS  Image Parameters Switch Yes  Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser  SNR ≥ 50 dB  Privacy Mask 8 programmable polygon privacy mask  Interface  Video Output 1 Vp-p Composite Output (75 Ω/BNC)  Ethernet Interface 1 1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485  On-Board Storage *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.  Audio 1 input (line in), 1 output (line out)  Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event	Client	iVMS-4200, Hik-Connect, Hik-Central		
Local service: Chrome 57.0+, Firefox 52.0+         Not recommended: Safari 11+, Edge         Image         Wide Dynamic Range (WDR)       120 dB         Picture Overlay       LOGO picture can be overlaid on video with 128 × 128 24bit bmp format         Day/Night Switch       Day/Night/Auto/Schedule         Image Enhancement       BLC, HLC, 3D DNR, Defog, EIS         Image Parameters Switch       Yes         Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser         SNR       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface         Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         On-Board Storage       8 Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)		Plug-in required live view: IE 8+, Chrome 41.0 to 44, Firefox 30.0 to 51, Safari 8.0 to 11		
Local service: Chrome 57.0+, Firefox 52.0+     Not recommended: Safari 11+, Edge	Web Browser	Plug-in free live view: Chrome 45.0+, Firefox 52.0+		
Image         Wide Dynamic Range (WDR)       120 dB         Picture Overlay       LOGO picture can be overlaid on video with 128 × 128 24bit bmp format         Day/Night Switch       Day/Night/Auto/Schedule         Image Enhancement       BLC, HLC, 3D DNR, Defog, EIS         Image Parameters Switch       Yes         Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser         SNR       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output         Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB       *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Web Blowsel	Local service: Chrome 57.0+, Firefox 52.0+		
Wide Dynamic Range (WDR)       120 dB         Picture Overlay       LOGO picture can be overlaid on video with 128 × 128 24bit bmp format         Day/Night Switch       Day/Night/Auto/Schedule         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       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port,         Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event		Not recommended: Safari 11+, Edge		
Picture Overlay       LOGO picture can be overlaid on video with 128 × 128 24bit bmp format         Day/Night Switch       Day/Night/Auto/Schedule         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       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output         Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RI45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB       *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Image			
Day/Night Switch       Day/Night/Auto/Schedule         Image Enhancement       BLC, HLC, 3D DNR, Defog, EIS         Image Parameters Switch       Yes         Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser         SNR       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface         Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB       *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Wide Dynamic Range (WDR)	120 dB		
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       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output         Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         On-Board Storage       Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Picture Overlay	LOGO picture can be overlaid on video with 128 $\times$ 128 24bit bmp format		
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Image Settings       Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance adjustable by client software or web browser         SNR       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output         1 RJ45 10 M/100 M self-adaptive Ethernet port,         Camera without wiper also supports RS-485         On-Board Storage       Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Image Enhancement	BLC, HLC, 3D DNR, Defog, EIS		
Image Settings       adjustable by client software or web browser         SNR       ≥ 50 dB         Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	Image Parameters Switch	Yes		
adjustable by client software or web browser  SNR  ≥ 50 dB  Privacy Mask  8 programmable polygon privacy mask  Interface  Video Output  1 Vp-p Composite Output (75 Ω/BNC)  1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485  Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB  *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.  Audio  1 input (line in), 1 output (line out)  Alarm  2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event	Imaga Sattings	Rotate mode, saturation, brightness, contrast, sharpness, gain, white balance		
Privacy Mask       8 programmable polygon privacy mask         Interface       Video Output       1 Vp-p Composite Output (75 Ω/BNC)         Ethernet Interface       1 RJ45 10 M/100 M self-adaptive Ethernet port, Camera without wiper also supports RS-485         Built-in memory card slot, support microSD/SDHC/SDXC card, up to 256 GB         *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.         Audio       1 input (line in), 1 output (line out)         Alarm       2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)         Event	mage Settings	adjustable by client software or web browser		
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On-Board Storage  *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.  Audio  1 input (line in), 1 output (line out)  Alarm  2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event	Ethernet interface	Camera without wiper also supports RS-485		
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Alarm 2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)  Event				
Event	Audio	1 input (line in), 1 output (line out)		
	Alarm	2 alarm inputs, 2 alarm outputs (up to 24 VDC, 1 A or 110 VAC, 500 mA)		
Basic Event Exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)	Event			
	Basic Event	Exception (network disconnected, IP address conflict, illegal login, HDD full, HDD error)		



	the constant debation on to Albana confirmable	
	Line crossing detection, up to 4 lines configurable	
	Intrusion detection, up to 4 regions configurable	
	Region entrance detection, up to 4 regions configurable	
Smart Event	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	
Linkage	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm	
Linkage	output, trigger recording, trigger capture	
General		
Dower	100 VAC to 240 VAC, 0.38 A to 0.18 A, max. 22.6 W, three-core terminal block	
Power	PoE: 802.3at, 42.5 V to 57 V, 0.56 A to 0.42 A, max. 23.6 W	
Dimension	513.2 mm × 169 mm × 308 mm (20.2"× 6.65" × 12.13")	
Package Dimension	753 mm × 313 mm × 424 mm (29.65" × 12.32" × 16.69")	
Weight	Appox. 17.32 kg (38.18 lb.)	
With Package Weight	Appox. 20.22 kg (44.58 lb.)	
Storage Conditions	-30 °C to +60 °C (-40 °F to +140 °F). Humidity 95% or less (non-condensing)	
Startup and Operating	55 5 to 155 67 to 1 to 17 thannaity 5576 of 1655 (from condensing)	
Conditions	-40 °C to +60 °C (-40 °F to +140 °F). Humidity 95% or less (non-condensing)	
Linkage Method	Upload to FTP/NAS/memory card, notify surveillance center, send email, trigger alarm	
zimage method	output, trigger recording, trigger capture	
	33 languages: English, Russian, Estonian, Bulgarian, Hungarian, Greek, German, Italian,	
Language	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	
Heater	Yes	
Wiper	Yes	
	Anti-flicker, three streams, heartbeat, mirror, privacy mask, flash log, password reset	
General Function	via email, pixel counter	
Approval		
	FCC: FCC-SDoC (ANSI C63.4, FCC Part15 sub B)	
	CE: CE-EMC (EN 50130-4:2011+A1:2014, EN 55032:2015, EN 61000-3-2:2014, EN	
	61000-3-3:2013)	
EMC	IC: IC-VoC (ICES-003 Issue 7:2020)	
	KC: KN 301489-1, KN 301489-17, RRA NOTICE 2017-14 (2017.12.05), RRA NOTICE	
	2017-19 (2017.12.28)	
	CB (IEC 60950-1)	
Safety	CE: CE-LVD(EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013	
	LOA (SANS IEC60950-1)	
Environment	CE: CE-RoHS(RoHS Directive 2011/65/EU+2015/863)	
Protection	IP68 (IEC 60529-2013)	



Explosion-Proof Protection	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.

#### Available Model

DS-2XE6422FWD-IZHRS (2.8 to 12 mm, 8 to 32 mm)

#### Typical Application

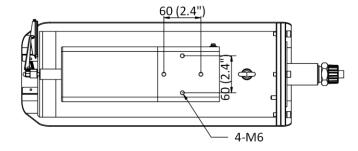
Hikvision products are classified into three levels according to their anti-corrosion performance. Refer to the following description to choose for your using environment.

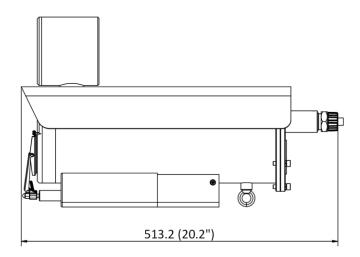
This model has TOP-LEVEL SPECIFIC PROTECTION.

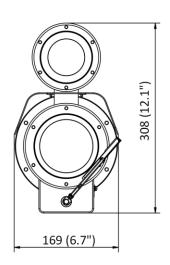
Level	Description
Top-level protection	Hikvision products at this level are equipped for use in areas where professional anti-corrosion
	protection is a must. Typical application scenarios include coastlines, docks, chemical plants, and
	more.
Moderate protection	Hikvision products at this level are 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.



### Dimension







Unit: mm (inch)

- Accessory
- Optional

DS-2780ZJ-X/316L(OS) Explosion-Proof Terminal Box	DS-1707ZJ-Y-AC(OS) Wall Mount



Distributed by

# HIKVISION<sup>®</sup>

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