

Smart IP camera 4MP

ZIP-8444MR-25XPTZ-F40



Key Features



Linkage



Lighthunter



Edge Storage

Ultra
H.265



POE

- Fixed camera and PTZ camera integration, dual channels with one IP, look at overall situation and consider details at the same time
- High quality image with 4MP, 1/2.7" CMOS sensor
- Ultra 265, H.265, H.264, MJPEG
- 25X optical zoom of PTZ channel allows for closer viewing of subjects
- PTZ channel can be linked to fixed channel's smart intrusion prevention to track the objects triggering the rule
- DC12V or PoE+(IEEE 802.3at) power supply
- Alarm 2 in and 1 out, Audio 1 in and 1 out

Specifications

	ZIP-8444MR-25XPTZ-F40	
Camera	Panorama	Detail
Sensor	1/2.7", 4MP, CMOS	1/2.7", 4MP, CMOS

Min. Illumination	Color:0.003 lux (F1.6, AGC ON) 0 lux with IR	Color:0.003 lux (F1.5, AGC ON) 0 lux with IR			
Day/Night	IR-cut filter with auto switch (ICR)				
Shutter	Auto/Manual, 1 ~ 1/100000s				
WDR	120dB				
S/N	> 56dB				
Lens					
Lens type	4mm@F1.6	4.8~120mm@F1.5, AF automatic focusing and motorized zoom lens			
Optical Zoom	N/A	25X			
Iris	Fixed aperture; F1.6	Auto; F1.5(W)~F3.8(T)			
Angle of View (H)	91.3°	55.46° ~ 3.09°			
Angle of View (V)	51.5°	32.94° ~ 1.73°			
Angle of View (O)	112.3°	68.22° ~ 3.65°			
DORI					
DORI Distance	Lens (mm)	Detect (m)	Observe (m)	Recognize (m)	Identify (m)
	4 (Panorama)	90.0 (295.3 ft)	36.0 (118.1 ft)	18.0 (59.1 ft)	9.0 (29.5 ft)
	4.8 (Detail)	123.8 (406.0 ft)	49.5 (162.4 ft)	24.8 (81.2 ft)	12.4 (40.6 ft)
	120 (Detail)	2475.0 (8120.1 ft)	990.0 (3248.0 ft)	495.0 (1624.0 ft)	247.5 (812.0 ft)
Illuminator					
IR Range	Up to 30m (98.4 ft)		Up to 100m (328.1 ft)		
Wavelength	850nm (IR)				
Light On/Off Control	Auto/Manual				
Video					
Video Compression	Ultra 265, H.265, H.264, MJPEG				
Frame Rate	Main Stream: 4MP (2688*1520),Max 30fps; Sub Stream: 1080P (1920*1080), Max 30fps; Third Stream: D1 (720*576), Max 30fps;		Main Stream: 4MP (2688*1520),Max 30fps; Sub Stream: 720P (1280*720), Max 30fps; Third Stream: D1 (720*576), Max 30fps;		
Video Bit Rate	128 Kbps ~ 16 Mbps				
Smart-code	Support				
ROI	Up to 8 areas				
Video stream	Triple streams				
OSD	Up to 8 OSDs				
Privacy Mask	Up to 4 areas per scene		24 areas, up to 4 areas per scene		
Image					
White Balance	Auto/Outdoor/Fine Tune/Sodium Lamp/Locked/Auto2				

Digital noise reduction	2D/3D DNR
Smart IR	Support
Flip	Normal/Flip Vertical/Flip Horizontal/180°
HLC	Support
BLC	Support

Defog	Digital defog
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Events

Basic Detection	Motion detection, Audio detection, Tampering Alarm	
Auto Tracking	N/A	Support
General Function	Watermark, IP Address Filtering, Alarm input, Alarm output, Access Policy, ARP Protection, RTSP Authentication, User Authentication	

Audio

Audio Compression	G.711U, G.711A
Audio Bitrate	64 Kbps
Two-way Audio	Support
Suppression	Support
Sampling Rate	8 kHz

Storage

Edge Storage	Micro SD, up to 256 GB
Network Storage	ANR

Network

Protocols	IPv4, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, 802.1x, SNMP, QoS, RTMP, SSL/TLS
Compatible Integration	ONVIF (Profile S, Profile G, Profile T), API, SDK
User/Host	Up to 32 users. 3 user levels: administrator, operator and common user
Security	Password protection, strong password, HTTPS encryption, Export operation logs, basic and digest authentication for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF
Client	Guard Live, Guard Station, ZetPro VMS
Web Browser	Plug-in required live view: IE 10 and above, Chrome 45 and above, Firefox 52 and above, Edge 79 and above

Pan & Tilt

Pan Range	N/A	360°
Pan Speed	N/A	0.1°/s ~ 80°/s
	Preset speed: N/A	Preset speed: 80°/s
Tilt Range	18° ± 5°	-15° ~ 90°
Tilt Speed	N/A	0.1°/s ~ 80°/s
	Preset speed: N/A	Preset speed: 80°/s

Number of Presets	1024
Preset Patrol	16 patrols, up to 64 presets for each patrol
Route Patrol	16 patrols, up to 32 actions for each patrol
Recorded Patrol	16 patrols, up to 128 actions for each patrol
Patrol Stay Time	15s~1800s
Preset Image Freeze	N/A
Home Position	Support
Interface	
Audio I/O	1/1
Alarm I/O	2/1
Serial Port	1 RS485
Built-in Mic	N/A
Built-in Speaker	Support
Wi-Fi	N/A
Network	1 * RJ45 10M/100M Base-TX Ethernet
Video Output	N/A
Certification	
EMC	CE-EMC (EN 55032: 2015+A1:2020,EN 61000-3-3: 2013+A1: 2019,EN IEC 61000-3-2: 2019+A1: 2021,EN 55035: 2017+A11:2020) FCC (FCC CFR 47 part15 B, ANSI C63.4-2014)
Safety	CE LVD (EN 62368-1:2014+A11:2017) CB (IEC 62368-1:2014) UL (UL 62368-1, 2nd Ed., Issue Date: 2014-12-01)
Environment	CE-RoHS (2011/65/EU;(EU)2015/863)
Protection	IP66 (IEC 60529:1989+AMD1:1999+AMD2:2013)
General	
Power	DC12V (±25%), PoE+(IEEE 802.3at)
	Power consumption: MAX 24W
Power Interface	Ø 5.5mm coaxial power plug
Dimensions (Ø x H)	Φ163 x 304mm (Φ6.4" x 12.0")
Weight	2.27kg (5.00lb)
Working Environment	-40°C ~ +65°C(-40°F ~ +149°F), Humidity: ≤95% RH (non-condensing)
Storage Environment	-40°C ~ +70°C(-40°F ~ +158°F), Humidity: ≤95% RH (non-condensing)
Surge protection	6KV
Reset button	Support

Dimensions

