VSPTZIP3122WSL-X4IR

Dual-Lens (2 x 2 MP) Ultra-Low Light PTZ IP Camera

Key Features

Smart Intrusion Prevention	Linkage	Lighthunter	WDR	Built-in Mic	Edge Storage	Ultra H.265	50 IR distance

- Fixed and PTZ camera integration; dual channels with one IP to capture the whole situation as well as the minute details while transmitting
- high quality imaging using two 2-MP, 1/2.8'' CMOS sensors
- 1920 x 1080 @ 25 fps in the main stream
- High efficiency H.264, H.265, Ultra H.265, MJPEG compressions
- 4x optical zoom in the PTZ channel enables close-up viewing of objects
- Smart intrusion prevention; false alarm filtering support including Line-Crossing, intrusion, and Entering & Exiting an Area Detection
- PTZ channel can be linked using fixed channel's smart intrusion prevention to track the objects triggering a rule
- Ultra-Low Light Technology ensures ultra-high image quality in low illumination environment
- Up to 120 dB Optical Wide Dynamic Range (WDR)
- Built-in dual-microphone & high-power speaker support two-way communication with superior sound performance
- Ceiling and wall mounting options available
- IR & warm supplemental lighting covers a range of scenes and provides full-color illumination
- 12 V DC or PoE+ (IEEE 802.3at) power supply

Specifications

	VSPTZIP3122WSL-X4IR	
Camera	Panorama	Detail
Sensor	1/2.8", 2 MP, CMOS	
Min. Illumination	Color: 0.002 lux, f 1.6, AGC on; 0 lux with IR	Color: 0.002 lux, f 1.6, AGC on; 0 lux with IR / supplemental light
Day / Night	IR-cut filter with auto switch (ICR)	
Shutter Speed	Auto / Manual, 1 to 1/100,000 sec.	
Range of Motion	Pan: 0° to 360°, tilt: 18°± 5°, rotate: N/A	N/A
Wide Dynamic Range	120 dB	DWDR
S/N	> 52 dB	
Lens		
Lens Type	2.8 mm @ f 1.6	2.8 to 12 mm @ f 1.6, AF automatic focusing and motorized zoom lens
Digital Zoom	N/A	4x
Optical Zoom	N/A	4x
Iris	Fixed aperture	
Angle of View (H)	102.4˚	106.6°- 30.6°
Angle of View (V)	54.9˚	56.5°- 17.4°
Angle of View (O)	133.1˚	138.6°- 37.6°

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Detection, Observation, Recognition, Identification Distances	Lens (mm)	Detect	Observe	Recognize	Identify
	2.8 (Panorama)	142.5 ft (43.4 m)	57.0 ft (17.4 m)	28.5 ft (8.7 m)	14.3 ft (4.3 m)
	2.8 (Detail)	142.5 ft (43.4 m)	57.0 ft (17.4 m)	28.5 ft (8.7 m)	14.3 ft (4.3 m)
	12 (Detail)	534.6 ft (162.9 m)	213.8 ft (65.2 m)	106.9 ft (32.6 m)	53.5 ft (16.3 m)

Illuminator

IR Range	Up to 32.8 ft (10 m)	Up to 164.0 ft (50 m)
Warm Light Range	N/A	Up to 32.8 ft (10 m)
Wavelength	850 nm (IR)	
Light On/Off Control	Auto / Manual	

Video

Video Compressions	Ultra 265, H.265, H.264, MJPEG
Frame Rate	Main Stream: 1080p (1920 x 1080), up to 25 fps Sub Stream: 720p (1280 x 720), up to 25 fps
Video Bit Rate	128 Kbps - 16 Mbps
U-Code	Supported (Main stream)
Region of Interest	Up to 8 areas
Video stream	Dual streams
OSD	Up to 4
Privacy Masking	24 areas, up to 4 areas per scene

Image Enhancements

White Balance	Auto / Outdoor / Fine Tune / Sodium Lamp / Locked / Auto 2
Digital Noise Reduction	2D / 3D DNR
Smart IR	Supported

Flip	Normal / Flip Vertical / Flip Horizontal / 180°	
HLC	Supported	
BLC	Supported	
Defog	Digital defog	
Intelligent Functions		
Smart Intrusion Prevention	Support for false alarm filtering: line crossing, intrusion, and region entry & exit detections	N/A
Linkage Function	N/A	Supported, triggered by fixed lens via smart intrusion prevention function to track target(s)
Event Typess		
Basic Detections	Audio detection	
General Functions	Watermark, IP Address Filtering, Access Policy, ARP Protection, RTSP Authentication, User Authentication	
Audio		
Audio Compression	G.711U, G.711A	
Audio Bitrate	64 Kbps	
Two-way Audio	Supported	
Suppression	Supported	
Sampling Rate	8 kHz	
Storage		
Edge Storage	Micro SD, up to 256 GB	
Network Storage	ANR, NAS (NFS)	
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), API, SDK	
User / Host	Up to 32 users. 2 user levels: Administrator and common user	
Security	Password protection, strong password, HTTPS encryption, exporting operation logs, basic and digest authentications for RTSP, digest authentication for HTTP, TLS 1.2, WSSE and digest authentication for ONVIF	
Web Browsers	Plug-in required for live viewing: IE 10 and later, Chrome 45 and later, Firefox 52 and later, Edge 79 and later	
Pan & Tilt		
Pan Range	N/A	0° - 345°
Pan Speed	N/A	1° - 50°/sec.
	Preset speed: N/A	Preset speed: 50°/sec.
Tilt Range	18° ± 5°	-10° - 100°
Tilt Speed	N/A	1° - 40°/sec.
	Preset speed: N/A	Preset speed: 40°/sec.
Number of Presets	255	
Preset Patrol	16 patrol routes, up to 64 presets for each route	
Patrol Stay Time	1,000 - 1,800 sec.	
Home Position	Supported	
Interface		
Built-in Mic	Supported (dual)	
Built-in Speaker	Supported	
Network	1 x RJ45, 10M/100 Mbps Base-TX Ethernet	
Certifications		
EMC	FCC CFR 47 Part 15 EN 55032:2015	

	EN 55024:2010
	EN 61000-3-2:2014
	EN 61000-3-3-2013
Safety	IEC 62368-1
	EN 62368-1
	UL 62368-1
Environmental	CE-ROHS (2011/65/EU; (EU)2015/863); WEEE (2012/19/EU); REACH (Regulation (EC) No 1907/2006)
General	
Power	12 V DC, PoE+ (IEEE 802.3at)
	Consumption: Up to 14 W
Power Interface	Ø 5.5 mm coaxial power plug
Dimensions (Ø x H x W)	Φ 5.3 x 11.9 x 7.6" (Φ 134 x 302 x 192 mm)
Weight	2.27 ft (1.03 kg)
Operating Environment	-4° to 140° F (-20° to 60° C), Humidity: ≤ 95% RH (non-condensing)
Storage Environment	-22° to 158° F (-30° to 70° C), Humidity: ≤ 95% RH (non-condensing)
Surge protection	2 kV
Reset Button	Supported
Protection	Ingress Protection: IP66
	Vandal Resistant: N/A

Dimensions