

Z1-3IPSN-4(IR)

4MP 1" IP PTZ with x3 Zoom, 20m IR LED and AI

The Z1-3IPSN-4(IR) AI IP PTZ is an NDAA-compliant camera with impressive video quality and features. The Z1 provides basic connectivity options and standard motor speed while keeping a compact and sleek design. It can be installed almost anywhere with optional accessories and provides full compatibility with Provision-ISR's platforms (Ossia NVRs, Ossia VMS, Provision Cam2 Mobile App.)



MAIN FEATURES

- Z1-3IPSN-4(IR)
- Sensor: 1/2.7" CMOS
- Resolution: 2688×1520 1-25/30FPS (4MP)
- Lens: x3 3.18mm (F1.6) - 7.42mm (F2.7)
- Compression: H.265 / H.264 / H.265+ / H.264+ / MJPEG
- DWDR/HLC/BLC/3D-DNR
- True Day&Night - ICR
- Smart IR Distance: 20m
- Preset Speed: 80°/s/Sec
- Preset Accuracy: 0.5°
- Pan Range: 355°
- Tilt Range: 15°~165° (With Auto Flip)
- Preset Positions: 360
- n Patterns/8 Cruises/Park Action/Scheduled Tasks
- Alarm In/Out:1
- Audio In/Out:1
- SD Card: Event/Schedule Record (256GB)
- ONVIF: Profile T/S/G
- Water Proof: IP67, Vandal Proof: IK10 Water-Proof
- Power Supply: PoE (802.3af) / DC12V±20%/2A
- Weight: ~520g



SPECIFICATIONS

Video	
Image Sensor	1/2.7" CMOS
Effective Pixels	2688×1520
Sync System	Progressive Scan
Electronic Shutter	1/25~1/25000s
Day & Night	ICR
Min. Illumination	Color : 0.02 Lux@(F1.6,AGC ON) B/W : 0.004 Lux@(F1.6, AGC ON), 0Lux with IR

NDAA Compliant	
NDAA Compliant	Yes

Lens	
Optical Zoom	x3
Digital Zoom	x8
Focal Length	3.18mm (F1.6) – 7.42mm (F2.7)
Aperture Range	F1.6 ~ F2.7
Focus	Auto/Manual
Horizontal Field of View	113.6°(wide) ~ 44.3°(tele)
Detect	f=7.42mm: 148.4m(487 f.t)
Recognize	f=7.42mm: 29.68m (97.4 f.t)
Identify	f=7.42mm: 14.84m(48.7f.t)

AI Features	
Analytics	AI: DDA Sterile Area, DDA Line Crossing Face Recognition General: Camera Tampering
Smart Tracking	Auto Tracking based on DDA (Human / Vehicle)
Face Recognition	Up to 10 face detections and 3 face recognitions per second
Face Database	Up to 10000 faces

PTZ Features	
Pan Range	355°
Pan Speed	Manual: 0.5~80°/s; Preset speed:80°/s
Tilt Range	15°~165° (With Auto Flip)
Tilt Speed	Manual: 0.5~80°/s; Preset speed:80°/s
Presets	360
Patterns	no
Cruise	8 cruises (16 presets per cruise)
Scan	no
Park Action	Yes (Preset)
Power Up Action	Preset/Cruise
Schedule	no
3D Control	Supported (Via Provision-ISR Devices)

Image Enhancement	
Image Settings	AWB Adjustable Exposure Mode Sharpness, Saturation, Brightness & Contrast Adjustable Auto Gain Adjustable
WDR Range	DWDR
BLC-HLC	Yes
3D-DNR Noise Reduction	3D-DNR
EIS	No
Defog	No
Image Orientation	Mirror/Flip
Dynamic Privacy Zone	Yes
Privacy Zone	Up to 4 square masks

Motion Detection	Yes
Audio	
Audio Compression	G.711A/G.711U
Communication	2-Way Audio
Housing	
IR Distance	20m
Illumination Type	IR LED
Wiper	No
Smart IR	Yes
Network	RJ45
Analog Video Output	No
Audio Input	1Ch
Audio Output	1Ch
SD Card	Yes (microSD/SDHC/SDXC. Up to 256GB)
RS-485	No
Alarm In	1 Dry Contact
Alarm Out	1 Dry Contact
Power Consumption	avg 7Watt;max 12Watt (IR + PTZ working)
Power Supply	PoE (802.3af) / DC12V±20%/2A
Work Environment	-30°C ~ 60°C (-22°F ~ 140°F) (IR off), -30°C ~ 40°C (-22°F ~ 104°F) (IR on); Cold start ≥ -20°C (-4°F) (1-hour waiting), ≤90% RH
Protection Rate	Water Proof: IP67, Vandal Proof: IK10
Fan & Heater	No
Dimensions	Φ 116mm x 75mm

Weight (Gross)	~520g
Network	
Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.af)
User Access	Supports simultaneous monitoring of up to 6 users with multi-stream real-time transmission
Network Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTMP, TCP/IP, P2P, DHCP, HTTP POST
ONVIF	Profile T/S/G
Remote Monitoring	IE Browsing (Plug-In required), Chrome/Edge/Safari/Firefox plug-in free browsing, Ossia VMS Software, Provision Cam2 Mobile App
Compression	
Video Compression	H.265 / H.264 / H.265+ / H.264+ / MJPEG
Resolutions and Streams	Main stream: 2688×1520 (4MP), 2560×1440 (4MP), 2048×1536 (3MP), 2MP, 1.3MP, 1MP Substream: 1280×720 (720P), 704×576 (D1), VGA, 352×288 (CIF) Third stream: 2MP, 1.3MP, 1MP, 704×576 (D1), VGA, 352×288 (CIF)
FPS	1-25/30FPS
Bit-Rate	64Kbps ~ 7168Kbps@H.265 / 128Kbps ~ 8192Kbps@H.264
Encode Mode	VBR/CBR
Image Quality	Five levels under VBR; Free adjustment under CBR

ACCESSORIES

