

Z3-4ADSN-4

4MP 3" IP PTZ with x4 Zoom, 50m IR LED and AI

The Z3-4ADSN-4 AI IP PTZ is an NDAA-compliant camera with impressive video quality and features. The Z3 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

- Z3-4ADSN-4
- Sensor: 1/2.7" CMOS
- Resolution: 2560×1440 1-25/30FPS (4MP)
- Lens: x4 2.8mm (F1.6) - 12mm (F2.7)
- Compression: H.264/H.265/H264+/H265+/MJPEG
- True WDR (120dB)/HLC/BLC/3D-DNR
- True Day&Night - ICR
- Smart IR Distance: 50m
- Preset Speed: 50°/s/Sec
- Preset Accuracy: 0.1°
- Pan Range: 355°
- Tilt Range: -5°~185° (With Auto Flip)
- Preset Positions: 300
- 4 Patterns/8 Cruises/Park Action/Power Off Memory/Scheduled Tasks
- Alarm In/Out:1
- Audio In/Out:1
- SD Card: Event/Schedule Record (256GB)
- ONVIF: Profile T/S/G
- IP66 Water-Proof
- Power Supply: PoE+ (802.3at) / DC12V±20%/2A (not included)
- Weight: ~1.2Kg



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SPECIFICATIONS

Video	
Image Sensor	1/2.7" CMOS
Effective Pixels	2560×1440
Sync System	Progressive Scan
Electronic Shutter	1/25~1/30,000s
Day & Night	ICR (Auto/Day/Night)
Min. Illumination	0.002 Lux (Color), 0.01 Lux (B&W), 0 Lux (IR On)
NDAA Compliant	
NDAA Compliant	Yes
Lens	
Optical Zoom	x4
Digital Zoom	No
Focal Length	2.8mm (F1.6) – 12mm (F2.7)
Aperture Range	F1.6 ~ F2.7
Focus	Auto/Manual
Minimum Focus Distance	0.3m
Horizontal Field of View	97°(wide) ~ 31°(tele)
Detect	2.8mm - 68m 12mm - 206m
Recognize	2.8mm - 13.6m 12mm - 41.3m
Identify	2.8mm - 6.8m 12mm - 20.7m
AI Features	
Analytics	AI: DDA Sterile Area, DDA Line Crossing General: Camera Tampering
Smart Tracking	Auto Tracking based on DDA (Human / Vehicle)
Face Recognition	No

Face Database	No
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PTZ Features	
Pan Range	355°
Pan Speed	Manual: 0.1~70°/s; Preset speed: 50°/s
Tilt Range	-5°~185° (With Auto Flip)
Tilt Speed	Manual: 0.1~40°/s; Preset speed: 40°/s
Presets	300
Patterns	4 Tracks. Up to 3 minutes each
Cruise	8 cruises (16 presets per cruise)
Scan	Standard / Random (with left and right boundaries)
Park Action	Preset/Cruise/Pattern/Auto Scan/Random Scan
Power Up Action	Yes
Schedule	Up to 8 tasks (Preset/Cruise/Pattern/Auto Scan/Random Scan)
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	True WDR (120dB)
BLC-HLC	Yes
3D-DNR Noise Reduction	3D-DNR
EIS	N/A
Defog	No
Image Orientation	Mirror/Flip
Dynamic Privacy Zone	No

Privacy Zone	No
Motion Detection	Yes
Audio	
Audio Compression	G.711A/G.711U
Communication	2-Way Audio
Housing	
IR Distance	50m
Illumination Type	IR LED
Wiper	No
Smart IR	Yes
Network	RJ45
Analog Video Output	No
Audio Input	1Ch + Built-in Microphone
Audio Output	1Ch + Built-in Speaker
SD Card	Yes (microSD/SDHC/SDXC. Up to 256GB)
RS-485	No
Alarm In	1 Dry Contact
Alarm Out	1 Dry Contact
Power Consumption	Max 18.9W (With LED, Speaker, and Movement)
Power Supply	PoE+ (802.3at) / DC12V±20%/2A (not included)
Work Environment	-40°C ~ 65°C With IR off -40°C ~ 55°C with IR on
Protection Rate	IP66
Fan & Heater	No

Dimensions	Φ 130mm × 162mm
Weight (Gross)	~1.2Kg

Network	
Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.at)
User Access	Supports simultaneous monitoring of up to 10 users with multi-stream real-time transmission
Network Protocols	HTTP, HTTPS, IPv4/IPv6, 802.1x, QoS, FTP, SMTP, UPnP, SNMP, DNS, DDNS, NTP, RTSP, RTCP, RTP, TCP/IP, P2P UDP, IGMP, ICMP, DHCP, PPPoE, 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.264/H.265/H264+/H265+/MJPEG
Resolutions and Streams	Main stream: 2560×1440 (4MP), 2304×1296 (3MP), 1920×1080 (2MP), 1280×720 (720P) Substream: 1280×720 (720P), 704×576 (D1), 352×288 (CIF) Third stream: 704×576 (D1), 480×240, 352×288 (CIF)
FPS	1-25/30FPS
Bit-Rate	1536Kbps ~ 7192Kbps@H.265 / 2048Kbps ~ 8192Kbps@H.264
Encode Mode	VBR/CBR
Image Quality	Five levels under VBR; Free adjustment under CBR

ACCESSORIES

