

PTZ

Our Intelligent Auto-Tracking PTZ series provides swift and precise surveillance in any environment. With ultra-fast motor speed and rugged build quality, these cameras are perfect for large-scale monitoring. The series offers a variety of models with exceptional performance, full connectivity options, and seamless integration with Provision-ISR's platforms.



Z4-25IPEN-2(IR)

NDAA 4" Mini IP PTZ with 2MP x25 zoom, with DDA Analytics and PoE+, wall bracket included

The Z4-25IPEN-2(IR) AI IP PTZ is an NDAA-compliant camera with impressive video quality and features. The Z4 provides basic connectivity options and standard motor speed while keeping a compact and sleek design. It can be installed almost anywhere, including in-ceiling, with optional accessories and provides full compatibility with Provision-ISR's platforms (Ossia NVRs, Ossia VMS, Provision Cam2 Mobile App.)



MAIN FEATURES

- Z4-25IPEN-2(IR)
- Sensor: 1/2.8" CMOS
- Resolution: 1920x1080 1-25/30FPS (2MP)
- Lens: x25 4.8mm (F1.65) - 120mm (F3.8)
- Compression: H.264/H.265/H264+/H265+/MJPEG
- True WDR (120dB)/HLC/BLC/3D-DNR
- True Day&Night - ICR
- Smart IR Distance: 150m
- Preset Speed: 80°/Sec
- Preset Accuracy: 0.1°
- Pan Range: 360° (Endless)
- Tilt Range: -10°~90° (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/~480mA (not included)
- Weight: ~2.1Kg



<https://provision-isr.com>

SPECIFICATIONS

Video	
Image Sensor	1/2.8" CMOS
Effective Pixels	1920×1080
Sync System	Progressive Scan
Electronic Shutter	1/25~1/100,000s
Day & Night	ICR (Auto/Day/Night)
Min. Illumination	Color : 0.00125Lux@(F1.65, AGC on), B/W: 0.00025Lux@(F1.65, AGC on), 0Lux with IR

NDAA Compliant	
NDAA Compliant	Yes

Lens	
Optical Zoom	x25
Digital Zoom	x16
Focal Length	4.8mm (F1.65) – 120mm (F3.8)
Aperture Range	F1.65 ~ F3.8
Focus	Auto/Manual
Minimum Focus Distance	1M~15M
Horizontal Field of View	55°(wide) ~ 2.4°(tele)
Detect	f=120mm: 1517.4m(4978.3ft.)
Recognize	f=120mm: 303.4m(92.5ft.)
Identify	f=120mm: 151.7m(46.25ft.)

AI Features	
Analytics	AI: DDA Sterile Area, DDA Line Crossing, DDA Object Counting, 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	360° (Endless)
Pan Speed	Manual: 0.1~80°/s; Preset speed: 80°/s
Tilt Range	-10°~90° (With Auto Flip)
Tilt Speed	Manual: 0.1~80°/s; Preset speed: 80°/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	Yes
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	150m
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	Max 22W (With IR, Heater and Fan working)
Power Supply	PoE+ (802.3at) / DC12V/~480mA (not included)
Work Environment	-30°C~50°C, 10%~90% Humidity (Cold start at - 20°C)
Protection Rate	IP66
Fan & Heater	Yes
Dimensions	Φ 173mm × 268mm
Weight (Gross)	~2.1Kg

Network	
Interface	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.at)
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, RTCP, RTP, TCP/IP, 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	Mainstream: 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	768Kbps ~ 4096Kbps@H.265 / 1024Kbps ~ 6144Kbps@H.264
Encode Mode	VBR/CBR
Image Quality	Five levels under VBR; Free adjustment under CBR