

## 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

<b>Face Database</b>	Up to 10000 faces
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## PTZ Features

<b>Pan Range</b>	360° (Endless)
<b>Pan Speed</b>	Manual: 0.1~80°/s; Preset speed: 80°/s
<b>Tilt Range</b>	-10°~90° (With Auto Flip)
<b>Tilt Speed</b>	Manual: 0.1~80°/s; Preset speed: 80°/s
<b>Presets</b>	300
<b>Patterns</b>	4 Tracks. Up to 3 minutes each
<b>Cruise</b>	8 cruises (16 presets per cruise)
<b>Scan</b>	Standard / Random (with left and right boundaries)
<b>Park Action</b>	Preset/Cruise/Pattern/Auto Scan/Random Scan
<b>Power Up Action</b>	Yes
<b>Schedule</b>	Up to 8 tasks (Preset/Cruise/Pattern/Auto Scan/Random Scan)
<b>3D Control</b>	Supported (via Provision-ISR Devices)

## Image Enhancement

<b>Image Settings</b>	AWB Adjustable Exposure Mode Sharpness, Saturation, Brightness & Contrast Adjustable Auto Gain Adjustable
<b>WDR Range</b>	True WDR (120dB)
<b>BLC-HLC</b>	Yes
<b>3D-DNR Noise Reduction</b>	3D-DNR
<b>EIS</b>	N/A
<b>Defog</b>	Yes
<b>Image Orientation</b>	Mirror/Flip
<b>Dynamic Privacy Zone</b>	Yes

<b>Privacy Zone</b>	Up to 4 square masks
<b>Motion Detection</b>	Yes
<b>Audio</b>	
<b>Audio Compression</b>	G.711A/G.711U
<b>Communication</b>	2-Way Audio
<b>Housing</b>	
<b>IR Distance</b>	150m
<b>Smart IR</b>	Yes
<b>Network</b>	RJ45
<b>Analog Video Output</b>	No
<b>Audio Input</b>	1Ch
<b>Audio Output</b>	1Ch
<b>SD Card</b>	Yes (microSD/SDHC/SDXC. Up to 256GB)
<b>RS-485</b>	No
<b>Alarm In</b>	1 Dry Contact
<b>Alarm Out</b>	1 Dry Contact
<b>Power Consumption</b>	Max 22W (With IR, Heater and Fan working)
<b>Power Supply</b>	PoE+ (802.3at) / DC12V/~480mA (not included)
<b>Work Environment</b>	-30°C~50°C, 10%~90% Humidity (Cold start at - 20°C)
<b>Protection Rate</b>	IP66
<b>Fan &amp; Heater</b>	Yes
<b>Dimensions</b>	Φ 173mm × 268mm
<b>Weight (Gross)</b>	~2.1Kg

Network	
<b>Interface</b>	1 RJ45 10M/100M Adaptive Ethernet (Support PoE 802.3.at)
<b>User Access</b>	Supports simultaneous monitoring of up to 6 users with multi-stream real-time transmission
<b>Network Protocols</b>	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
<b>ONVIF</b>	Profile T/S/G
<b>Remote Monitoring</b>	IE Browsing (Plug-in required), Chrome/Edge/Safari/Firefox plug-in free browsing, Ossia VMS Software, Provision Cam2 Mobile App
Compression	
<b>Video Compression</b>	H.264/H.265/H264+/H265+/MJPEG
<b>Resolutions and Streams</b>	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)
<b>FPS</b>	1-25/30FPS
<b>Bit-Rate</b>	768Kbps ~ 4096Kbps@H.265 / 1024Kbps ~ 6144Kbps@H.264
<b>Encode Mode</b>	VBR/CBR
<b>Image Quality</b>	Five levels under VBR; Free adjustment under CBR