

## 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-4(IR)

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

The Z4-25IPEN-4(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-4(IR)
- Sensor: 1/2.5" CMOS
- Resolution: 2560×1440 1-25/30FPS (4MP)
- 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: 160m
- Preset Speed: 80°/s/Sec
- Preset Accuracy: 0.1°
- Pan Range: 360° (Endless)
- 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)
- Fan & Heater
- ONVIF: Profile T/S/G
- IP66 Water-Proof
- Power Supply: PoE+ (802.3at) / DC12V/3A (not included)
- Weight: ~2.1Kg



<https://provision-isr.com>

## SPECIFICATIONS

| Video              |   |
|--------------------|---|
| Image Sensor       | 1/2.5" CMOS   |
| Effective Pixels   | 2560×1440   |
| Sync System        | Progressive Scan  |
| Electronic Shutter | 1/25~1/100,000s   |
| Day & Night        | ICR (Auto/Day/Night)  |
| Min. Illumination  | Color: 0.01Lux@(F1.65, AGC on), B/W: 0.002Lux@(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: 2400m(7874ft.)      |
| Recognize                | f=120mm: 480m(1772ft.)       |
| Identify                 | f=120mm: 240m(787ft.)        |

| 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 |
|----------------------|-------------------|

| PTZ Features           |   |
|------------------------|---|
| <b>Pan Range</b>       | 360° (Endless)  |
| <b>Pan Speed</b>       | Manual: 0.1~240°/s; Preset speed: 80°/s                     |
| <b>Tilt Range</b>      | -5°~185° (With Auto Flip)                                   |
| <b>Tilt Speed</b>      | Manual: 0.1~240°/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   |

|                     |   |
|---------------------|---|
| Privacy Zone        | Up to 4 square masks                                |
| Motion Detection    | Yes   |
| Audio               |   |
| Audio Compression   | G.711A/G.711U                                       |
| Communication       | 2-Way Audio   |
| Housing             |   |
| IR Distance         | 160m  |
| 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   | Max 22W (With IR, Heater and Fan working)           |
| Power Supply        | PoE+ (802.3at) / DC12V/3A (not included)            |
| Work Environment    | -30°C~50°C, 10%~90% Humidity (Cold start at - 20°C) |
| Protection Rate     | IP66  |
| Fan & Heater        | 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, P2P, 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> | 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) |
| <b>FPS</b>                     | 1-25/30FPS   |
| <b>Bit-Rate</b>                | 1536Kbps ~ 7192Kbps@H.265 / 2048Kbps ~ 8192Kbps@H.264  |
| <b>Encode Mode</b>             | VBR/CBR  |
| <b>Image Quality</b>           | Five levels under VBR; Free adjustment under CBR   |