

## 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.



# Z5-25IPEN-4(IR)

## 4MP 5" IP PTZ with x25 Zoom, 200m IR LED and AI

The Z5-25IPEN-4(IR) AI IP PTZ offers impressive video quality and features. It provides full connectivity options and fast motor speed while keeping a sleek design. The Z5-25IPEN-4(IR) can be installed almost anywhere with the optional accessories and is fully compatible with Provision-ISR's platforms (Ossia NVRs, Ossia VMS, & the Provision Cam2 Mobile App.)



## MAIN FEATURES

- Z5-25IPEN-4(IR)
- Sensor: 1/2.8" CMOS
- Resolution: 2560×1440 1-25/30FPS (4MP)
- Lens: x25 4.8mm (F1.55) - 120mm (F3.8)
- Compression: H.265S/H.264S\*, H.265 / H.264 / H.265+ / H.264+ / MJPEG (Sub-stream only)\*
- True WDR (120dB)/HLC/BLC/3D-DNR
- True Day&Night - ICR
- Smart IR Distance: 200m
- Preset Speed: 330°/s/Sec
- Preset Accuracy: 0.1°
- Pan Range: 360° (Endless)
- Tilt Range: -25°~155° (With Auto Flip)
- Preset Positions: 360
- 4 Patterns/8 Cruises/Park Action/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) / DC24V/3A / AC24V/3A (not included)
- Weight: ~3Kg



<https://provision-isr.com>

## SPECIFICATIONS

| Video                    |   |
|--------------------------|---|
| Image Sensor             | 1/2.8" CMOS   |
| Effective Pixels         | 2560×1440   |
| Sync System              | Progressive Scan  |
| Electronic Shutter       | 1/25~1/30000s   |
| Day & Night              | ICR   |
| Min. Illumination        | Color: 0.005Lux@(F1.2, AGC on), B/W: 0.001Lux@(F1.2, AGC on), 0Lux with IR                                  |
| NDAA Compliant           |   |
| NDAA Compliant           | Yes   |
| Lens                     |   |
| Optical Zoom             | x25   |
| Digital Zoom             | x8  |
| Focal Length             | 4.8mm (F1.55) – 120mm (F3.8)  |
| Aperture Range           | F1.55 ~ F3.8  |
| Focus                    | Auto/Manual   |
| Minimum Focus Distance   | 1M~15M  |
| Horizontal Field of View | 57.6°(wide) ~ 2.5°(tele)  |
| Detect                   | f=120mm: 2200m(7218ft)  |
| Recognize                | f=120mm: 440m(1443.6f.t.)   |
| Identify                 | f=120mm: 220m(721.8 f.t.)   |
| AI Features              |   |
| Analytics                | AI: DDA Sterile Area, DDA Line Crossing, DDA Object Counting, Face Recognition<br>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: 0.1~360°/s; Preset speed:330°/s                     |
| <b>Tilt Range</b>      | -25°~155° (With Auto Flip)                                  |
| <b>Tilt Speed</b>      | Manual: 0.1~210°/s; Preset speed:180°/s                     |
| <b>Presets</b>         | 360   |
| <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 boundary)            |
| <b>Park Action</b>     | Preset/Cruise/Pattern/Auto Scan/Random Scan                 |
| <b>Power Up Action</b> | Preset/Cruise/Pattern/Auto Scan/Random Scan                 |
| <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>                    | Yes   |
| <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>         | 200m  |
| <b>Illumination Type</b>   | IR LED  |
| <b>Wiper</b>               | No  |
| <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 24W (With IR, Heater and Fan working)           |
| <b>Power Supply</b>        | PoE+ (802.3at) / DC24V/3A / AC24V/3A (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 197mm × 302mm |
| <b>Weight (Gross)</b> | ~3Kg            |

| 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.265S/H.264S*, H.265 / H.264 / H.265+ / H.264+ / MJPEG (Sub-stream only)*  |
| <b>Resolutions and Streams</b> | Main stream: 2560×1440 (4MP), 2304×1296 (3MP), 1920×1080 (1080P), 1280×720 (720P) Substream: 704×576 (D1), 640×480, 352×288 (CIF) Third stream: 1920×1080 (1080P), 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  |

## ACCESSORIES

