

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



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 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
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PTZ Features	
Pan Range	360° (Endless)
Pan Speed	Manual: 0.1~360°/s; Preset speed:330°/s
Tilt Range	-25°~155° (With Auto Flip)
Tilt Speed	Manual: 0.1~210°/s; Preset speed:180°/s
Presets	360
Patterns	4 Tracks. Up to 3 minutes each
Cruise	8 cruises (16 presets per cruise)
Scan	Standard / Random (with left and right boundary)
Park Action	Preset/Cruise/Pattern/Auto Scan/Random Scan
Power Up Action	Preset/Cruise/Pattern/Auto Scan/Random Scan
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	Yes
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	200m
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 24W (With IR, Heater and Fan working)
Power Supply	PoE+ (802.3at) / DC24V/3A / AC24V/3A (not included)
Work Environment	-40°C ~ 65°C (-40°F ~ 149°F) (IR off), -40°C ~ 45°C (-40°F ~ 113°F) (IR on); Cold start ≥ -30°C (-22°F).
Protection Rate	IP66
Fan & Heater	Yes

Dimensions	Φ 197mm × 302mm
Weight (Gross)	~3Kg

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, 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.265S/H.264S*, H.265 / H.264 / H.265+ / H.264+ / MJPEG (Sub-stream only)*
Resolutions and Streams	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)
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

