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.

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Z4-25IPEN-4(IR)

4MP 4" IP PTZ with x25 Zoom, 160m IR LED and AI

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.)

4MP Resolution | 25X Optical | WDR Wide Dynamic Range | 160m IR IR view 0 lux | IP66 Protection rating | Auto track

4 MP



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

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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

Face Database	Up to 10000 faces

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

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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	-40°C ~ 60°C (-40°F ~ 140°F) (IR off), -40°C ~ 60°C (-40°F ~ 140°F) (IR on); Cold start ≥ -30°C (-22°F) (0.5-hour waiting), ≤90% RH
Protection Rate	IP66
Fan & Heater	Yes

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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, 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.264/H.265/H264+/H265+/MJPEG
Resolutions and Streams	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)
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

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ACCESSORIES

