

Z7-37IPEN-4(IR)

4MP 7" IP PTZ with x37 Zoom, 400m IR LED and AI

The Z7-37IPEN-4(IR) is an NDAA AI IP PTZ offers impressive video quality and features. The Z7 provides full connectivity options, ultra-fast motor speed, and rugged build quality while keeping a sleek design. It can be installed almost anywhere with the optional accessories and provide full compatibility with Provision-ISR's platforms (Ossia NVRs, Ossia VMS, Provision Cam2 Mobile App)



MAIN FEATURES

- Z7-37IPEN-4(IR)
- Sensor: 1/1.8" CMOS
- Resolution: 2560x1440 1-25/30FPS (4MP)
- Lens: x37 6mm (F1.2) - 222mm (F4.6)
- Compression: H.265 / H.264 / H.265+ / H.264+ / MJPEG
- True WDR (120dB)/HLC/BLC/3D-DNR
- True Day&Night - ICR
- Smart IR Distance: 400m
- Preset Speed: 240°/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:2
- Audio In/Out:1
- SD Card: Event/Schedule Record (256GB by SanDisk® and Kingston®)
- Fan & Heater
- ONVIF: Profile T/S/G
- Water Proof: IP67 Water-Proof
- Power Supply: PoE++ (802.3bt) / AC24V/3A
- Weight: ~6Kg



SPECIFICATIONS

Video	
Image Sensor	1/1.8" CMOS
Effective Pixels	2560×1440
Sync System	Progressive Scan
Electronic Shutter	1/25~1/25000s
Day & Night	ICR
Min. Illumination	Color: 0.0005Lux@(F1.2, AGC on), B/W: 0.0001Lux@(F1.2, AGC on), 0Lux with IR

NDAA Compliant	
NDAA Compliant	Yes

Lens	
Optical Zoom	x37
Digital Zoom	x8
Focal Length	6mm (F1.2) – 222mm (F4.6)
Aperture Range	F1.2 ~ F4.6
Focus	Auto/Manual
Minimum Focus Distance	1M~10M
Horizontal Field of View	59°(wide) ~ 1.98°(tele)
Detect	f=222mm: 2,960m(8126.6 f.t.)
Recognize	f=222mm: 592m(1625.3f.t.)
Identify	f=222mm: 296m(812.7 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 15 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: 0.1~240°/s; Preset speed:240°/s
Tilt Range	-25°~155° (With Auto Flip)
Tilt Speed	Manual: 0.1~180°/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	400m
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 by SanDisk® and Kingston®)
RS-485	Yes
Alarm In	2 Dry Contact
Alarm Out	2 Dry Contact
Power Consumption	Max 51W (With IR, Heater and Fan working)
Power Supply	PoE++ (802.3bt) / AC24V/3A
Work Environment	-40°C ~ 70°C (-40°F ~ 158°F) (IR off), -40°C ~ 55°C (-40°F ~ 131°F) (IR on); Cold start ≥ -40°C (-40°F) (1-hour waiting), ≤90% RH
Protection Rate	Water Proof: IP67
Fan & Heater	Yes

Dimensions	Φ 219.9mm × 358.5mm
Weight (Gross)	~6Kg

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.265 / H.264 / H.265+ / H.264+ / 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	64Kbps ~ 7168Kbps@H.265 / 128Kbps ~ 8192Kbps@H.264
Encode Mode	VBR/CBR
Image Quality	Five levels under VBR; Free adjustment under CBR

ACCESSORIES

