

# 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



<https://provision-isr.com>

## 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

<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:240°/s
<b>Tilt Range</b>	-25°~155° (With Auto Flip)
<b>Tilt Speed</b>	Manual: 0.1~180°/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>	400m
<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 by SanDisk® and Kingston®)
<b>RS-485</b>	Yes
<b>Alarm In</b>	2 Dry Contact
<b>Alarm Out</b>	2 Dry Contact
<b>Power Consumption</b>	Max 51W (With IR, Heater and Fan working)
<b>Power Supply</b>	PoE++ (802.3bt) / AC24V/3A
<b>Work Environment</b>	-30°C~50°C, 10%~90% Humidity (Cold start at -20°C)
<b>Protection Rate</b>	Water Proof: IP67
<b>Fan &amp; Heater</b>	Yes

<b>Dimensions</b>	Φ 219.9mm × 358.5mm
<b>Weight (Gross)</b>	~6Kg

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

## ACCESSORIES

