Z972

5MP Deep Learning AI 5x Indoor PTZ with IR LED 120m, WDR 145dB



- 5 Megapixel, 5x, PTZ
- Deep Learning AI
- Aperture F1.2, IR LED 120m, Extreme WDR (145 dB)
- Color Min. Illumination 0.003 lux
- Smart Intrusion Protection
- DORI (70.9-247.5 / 28.4-99 / 14.2-49.5 / 7.1-24.8m)
- UL Listed

Specifications

Product Profile

Product Type	PTZ
Application Environment	Indoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.003 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	120m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f2.7-13.5mm
Aperture	F1.2

Zoom Ratio	5x optical zoom
Iris	Adaptive iris
Horizontal Viewing Angle	106.9° - 30.6°
Vertical Viewing Angle	56.0° - 17.7°

PTZ

Panning Range	350°
Tilting Range	0°~90°

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2880 x 1620 30 fps at 2560 x 1440 30 fps at 2304 x 1296 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 30 fps at 640 x 360 30 fps at 704 x 288 30 fps at 352 x 288
Bit Rate	128Kbps - 16Mbps
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (145 dB)
Image Orientation	Flip
Image Enhancement	White Balance, Backlight compensation (BLC), Highlight compensation (HLC), Digital Noise Reduction
Privacy Mask	24 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Intrusion Protection, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection, Tampering Detection, Missing Object Detection, Unattended Object Detection

Analytics

Deep Learning AI	1.0

Audio

Audio Type	2-way
Audio Compression	G.711 A-law, G.711 u-law

Network

Network Protocol & Service	ARP, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4/v6, ICMP, IEEE 802.1X, IGMP, NTP, PPPoE, QoS, RTCP, RTP, RTMP, RTSP, SNMP, SMTP, SSL/TLS, SSH, TCP, UDP, UPnP
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32

Detection Range

Observation Range	Detection: 70.9m-247.5m Observation: 28.4m-99m Recognition: 14.2m-49.5m Identification: 7.1m-24.8m

Event

Event Trigger	Video motion detection, Sound detection, Tampering detection, External device through digital input
Event Response	E-mail notification with snapshots, Activate external device through digital output

Integration

ONVIF Compliant	Profile S, Profile G, Profile T

Interface

Digital Input/Output	1/1
Operating Button	Reset Button

General

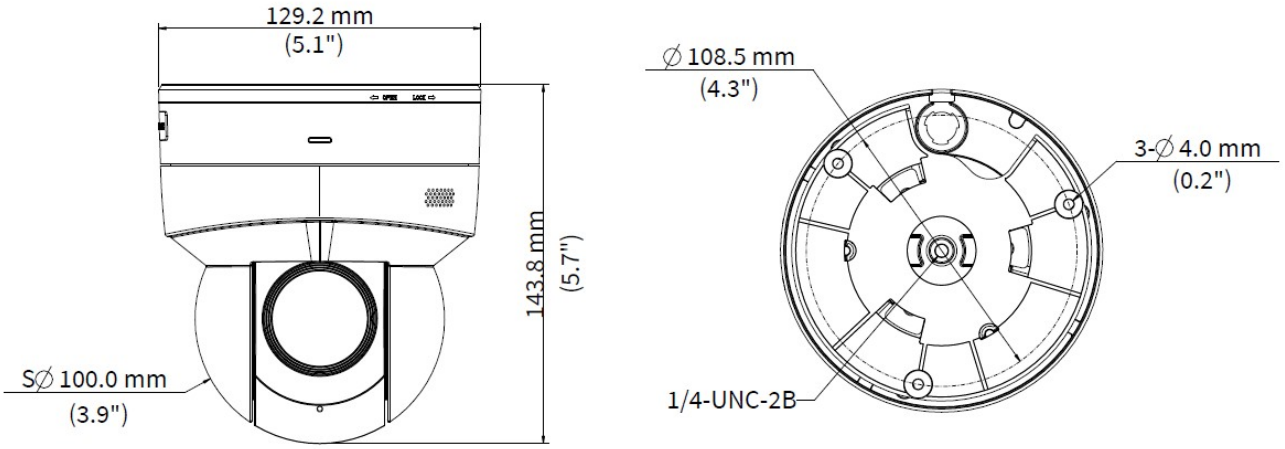
Power Source	High PoE (IEEE802.3at), DC 12V
Power Consumption	18 W (PoE)
Weight	780g (1.72lb)
Dimensions	(Ø x H): 129mm x 143.6mm (5.1" x 5.7")
Mount Type	Surface, Wall Mount, Pendant, Pole Mount
Operating Temperature	-10°C ~ 50°C (14°F ~ 122°F)
Storage Temperature	-40 °C ~ 70 °C (-40 °F ~ 158 °F)
Surge Protection	4KV
Approvals	CE, FCC, UL Listed, BSMI
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. Reset Button
2. Memory Card Slot
3. DC 12V Power Input
4. Ethernet Port

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0128		Pendant Mount (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0134		Extension Tube, 200 mm (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0366		Wall Mount with Built-in Junction Box (for Z9x, Z724, Z77, Z8x, Z972, A7X, Q550)
PMAX-0409		Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550, K3x, K5x, K7x)
PMAX-0532		Pole Mount (for Z5x, Z724, Z8x, Z9x, Z972, A7X, Q550), supports 2.6" to 5" Poles
PMAX-0538		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550, K3x, K5x, K7x) , supports 2.64" to 5" Poles
PMAX-0736		Junction Box (for Z724, Z81, Z82, Z85, Z86, Z87, Z812, Z813, Z814, Z914, Z972, Q550)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Power Supply Accessories - Power Adapter

PPBX-0013		Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0014		Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0023		Power Adapter 12V /2A(US) with DC PLUG for A416, A418

Power Supply Accessories - PoE Injector

PPOE-0107		High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952)

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0108		8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)
PPSW-0109		8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)

PPSW-1107		24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch
PPSW-2105		4-Port 802.3at Smart Managed Gigabit PoE Switch
PPSW-3101		16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-3103		16-Port 802.3at PoE Switch (PoE Budget 250W)
PPSW-3104		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3402		16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch
PPSW-4205		24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)