

Z959

4MP Outdoor Speed Dome with D/N, Adaptive IR, Extreme WDR, ELLS, 16x Zoom Lens



- 4 Megapixel
- Day & Night with Extreme Low Light Sensitivity and Adaptive IR LED
- Extreme WDR
- Endless Pan & Tilt
- H.265 Compression

► Specifications

Device

Product Type	Speed Dome
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.9 "
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.003 lux at F1.78 (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, f5.5-88mm
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Aperture	F1.78-F3.73
Zoom Ratio	16x optical zoom
Iris	DC iris
Horizontal Viewing Angle	50.85° - 3.47°
Vertical Viewing Angle	29.94° - 1.95°

PTZ

Preset Panning / Tilting Speed	0.1° - 240°/second, 0.1° - 240°/second
Panning Range	360° endless
Tilting Range	-5°~90° (with E-flip)
PTZ Control	Remote manual control, 1024 preset points, 16 preset tours
Absolute Position	Yes

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2688 x 1520 30 fps at 1280 x 720
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Extreme WDR (140 dB)
Image Enhancement	White Balance, Backlight compensation (BLC), Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	24 configurable regions
Text Overlay	Yes
Built-in Analytics	Tampering Detection
Image Orientation	Flip, Mirror

Audio

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

Event

Event Trigger	Video motion detection, External device through digital input, Sound detection, Tampering detection
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Integration

Edge Recording	Support (integration with NVR by ONVIF Profile G)*
ONVIF Compliant	Yes, Profile S, Profile G, Profile T

Interface

Serial Port	1 x RS-485
Local Storage	MicroSD, MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
Digital Input/Output	2/1

Operating Button

Reset Button











General

Power Source	DC 12V, High PoE (IEEE802.3at)
Dimensions	(Ø x H): 167mm x 181mm (6.6" x 7.1")
Environmental Casing	Weatherproof (IP66), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 65°C (-40°F ~ 149°F)
Surge Protection	6KV
Approvals	CE Class A, FCC Class A, IP66, IK10 (metal casing), UL Listed

* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series. *4 UL certification will be available in Q1 2024.

► Related Products

Mounting Accessories - Camera Mount

PMAX-0115		Pendant Mount (for A950, A951, A952, A956, Z950, Z952)
PMAX-0116		Straight Tube, 200 mm (for Z950)
PMAX-0117		Straight Tube (for Z950, Z952)
PMAX-0322		Wall mount (for Z950, Z952)
PMAX-0404		Corner Mount (for Z950, Z952)
PMAX-0513		Pole Mount (for Z950, Z952)
PMAX-0711		Junction box (for Z950, Z952)
PMAX-0733		
PMAX-1036		
PMAX-1406		

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

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)