

Z959

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



- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Extreme WDR (145dB)
- Endless Pan & Tilt, PTZ Auto Tracking

► Specifications

Device

Product Type	Speed Dome
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.9 "
Effective Pixels	2880(H) X 1620(V)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.005 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
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° - 120°/second
Panning Range	360° endless
Tilting Range	-5°~90° (with E-flip)
PTZ Control	Remote manual control, Speed Control, Drag to Pan and Tilt, 1024 preset points, 16 preset tours
Absolute Position	Yes

Video

Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or 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 (145 dB)
Image Enhancement	White Balance, Backlight compensation (BLC), Highlight compensation (HLC), Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	24 configurable regions
Text Overlay	Yes
Built-in Analytics	People Detection, Vehicle Detection, Object Line Crossing Detection, Intrusion Detection (Forbidden Area Detection), Tampering Detection, PTZ Auto Tracking
Image Orientation	Flip, Mirror

Audio

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

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SNMP, QoS, SSL/TLS, TLS 1.2
Ethernet Port	1 x 100M/1000M, RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, Password protected user level

Event

Event Trigger	Video motion detection (4 regions), 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, Profile M
Web Browser	IE 11, Microsoft Edge, Google Chrome, Firefox

Interface

Serial Port	1 x RS-485
Digital Input/Output	2/1
Operating Button	Reset Button






General

Power Source	DC 12V, High PoE (IEEE802.3at)
Power Consumption	23 W (PoE)
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
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series.

► 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



Junction box for Z959.

PMAX-1036



Flush Mount (for Z959)

PMAX-1406



Mount Kit (for Z959)

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)