

Z819

5MP Deep Learning AI 4.3x Outdoor Zoom Dome with IR LED 60m, WDR 130dB



- 5 Megapixel, 4.3x, Zoom Dome
- Deep Learning AI
- IR LED 60m, Extreme WDR (130 dB)
- Color Min. Illumination 0.003 lux
- Smart Motion Detection
- DORI (63-270 / 25.2-108 / 12.6-54 / 6.3-27m)
- Weatherproof (IP68), Vandal proof (IK10)

Specifications

Product Profile

Product Type	Zoom Dome
Application Environment	Outdoor
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 F1.6 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	60m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f2.8-12mm
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Aperture	F1.6
Zoom Ratio	4.3x optical zoom
Iris	Fixed iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	96.4° - 32.7°
Vertical Viewing Angle	51.3° - 18.6°
Viewing Angle Adjustment	Pan: 3°-360°, Tilt: 0°-70°, Rotation: 3°-360°

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	25 fps at 2880 x 1620 25 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
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Orientation	Mirror, Flip, Rotation (Corridor mode)
Image Enhancement	White Balance, Automatic gain control (AGC), Backlight compensation (BLC), Highlight compensation (HLC), Defogging
Privacy Mask	4 configurable regions
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), Intrusion Detection (Forbidden Area Detection), People Detection, Vehicle Detection, Tampering Detection, People Line Crossing Detection

Analytics

Deep Learning AI	1.0
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Audio

Audio Type	1-way, Built-in Microphone
Audio Compression	G.711

Network

Network Protocol & Service	IPv4, TCP, UDP, DHCP, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, RTMP, UPnP, QoS, SSL/TLS, SNMP, Digest Authentication
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, Password protected user level

Detection Range

Observation Range	Detection: 63m-270m Observation: 25.2m-108m Recognition: 12.6m-54m Identification: 6.3m-27m
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Event

Event Trigger	Video motion detection Sound detection Intelligent event detection
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Integration

ONVIF Compliant	Profile S, Profile G, Profile T
Web Browser	IE 11 or newer, Microsoft Edge, Google Chrome, Firefox

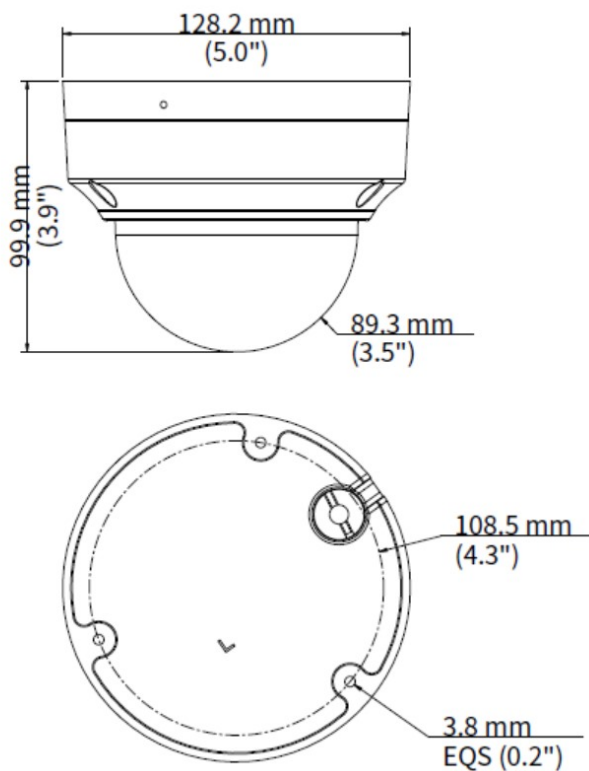
Interface

Operating Button	Reset Button
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General

Power Source	PoE Class 3 (IEEE802.3af), DC 12V
Power Consumption	8.0 W (PoE)
Weight	660g (1.46lb)
Dimensions	(Ø x H): 128mm x 100mm (5.0" x 3.9")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)
Starting Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
Operating Humidity	≤95% RH, non-condensing
Surge Protection	6KV
Approvals	CE Class B, FCC Class B, IP68, IK10, UL
Color	White
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

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.