

# Z87

## 4MP Outdoor Zoom Dome with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x Zoom Lens



- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Superior WDR
- H.265 Compression
- Wide Angle

### ► Specifications

#### Device

Product Type	Zoom Dome
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3 "
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.003 lux at F1.6 (AGC on); B/W: 0 (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED x 2 (850 nm)
IR Working Distance	40m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	56 dB

#### Lens

Focal Length	Zoom, f2.8-12mm
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Aperture	F1.6
Zoom Ratio	4.3x optical zoom
Focus	Auto focus
Horizontal Viewing Angle	99.8° - 30.7°
Vertical Viewing Angle	56° - 18.4°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-75°, Rotation: 0°-360°

## Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	25 fps at 2688 x 1520 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 704 x 288 30 fps at 640 x 360 30 fps at 352 x 288
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Superior WDR (120 dB)
Image Enhancement	Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	Yes
Text Overlay	Yes
Built-in Analytics	Tampering Detection, Intrusion Detection (Forbidden Area Detection), Object Line Crossing Detection
Image Orientation	Flip, Mirror, Rotation (Corridor mode)

## 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, UPnP, QoS, SNMP
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector

## Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T
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## Interface

Local Storage	MicroSD Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
Operating Button	Reset Button

## General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	8 W (PoE)
Dimensions	(Ø x H): 129mm x 110mm (5.1" x 4.3")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)

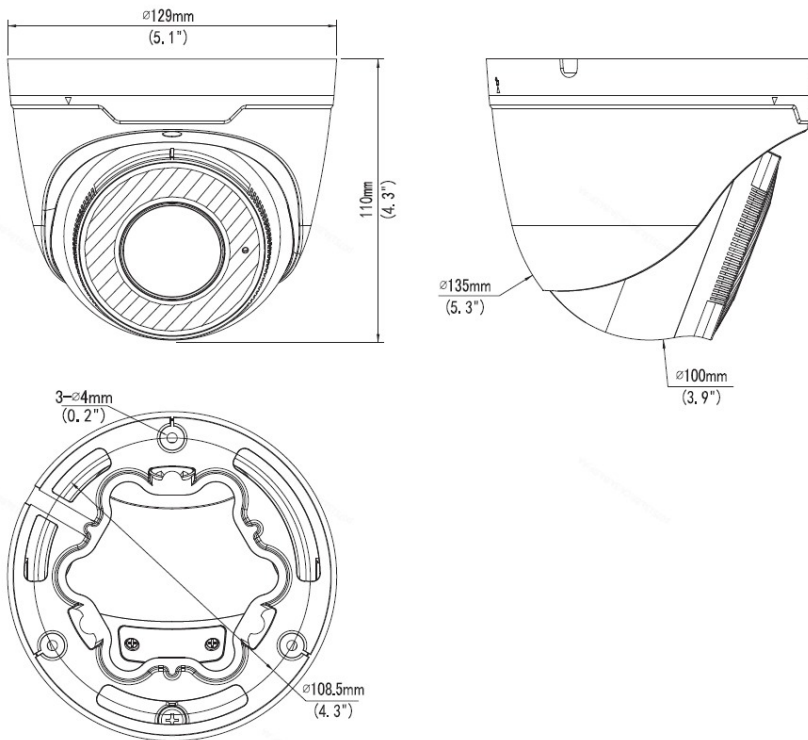
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Approvals	CE Class B, FCC Class B, IP68, IK10
Color	White
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ► Photo Indication



- 1 Memory Card Slot
- 2 Reset Button
- 3 Built-in Microphone
- 4 DC 12V Power Input
- 5 Ethernet Port






## ► Dimension Diagram



Unit: mm [inch]




## ▶ Related Products

### Mounting Accessories - Camera Mount


PMAX-0128		Pendant Mount (for Z85, Z86, Z87, Z810)
PMAX-0323		Wall Mount with Built-in Junction Box (for Z91, Z94, Z95, Z77, Z81, Z82, Z85, Z86)
PMAX-0527		Pole Mount (for Z4x, Z710, Z8x, Z9x, A7x), supports 2.64" to 5" Poles
PMAX-0532		Pole Mount (Z710, Z8x, Z9x, A7x), supports 2.6" to 5" Poles
PMAX-0713		Junction box (for Z81, Z82)

**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://www.acti.com/mountingselector) for more information.

### Power Supply Accessories - Power Adapter

PPBX-0012		Power Adapter AC 100~240V (US), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
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

### Power Supply Accessories - PoE Injector

PPOE-0002		PoE Injector IEEE 802.3af compliant, AC 100~240V, with universal connectors
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