

Z86

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
- 4.3x Zoom Lens with f2.8-12/F1.6, Auto focus (for installation)
- Superior WDR
- H.265 Compression
- Super wide angle
- Built-in Analytics
- Event trigger, response and notification

► 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); BW: 0 (AGC 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

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|--------------|-----------------|
| Focal Length | Zoom, f2.8-12mm |
|--------------|-----------------|

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|--------------------------|---|
| Aperture | F1.6 |
| Zoom Ratio | 4.3x optical zoom |
| Zoom Application | Camera Installation |
| Iris | Fixed iris |
| Focus | Auto focus |
| Lens Mount | Board mount |
| Horizontal Viewing Angle | 102.1° - 30.7° |
| Vertical Viewing Angle | 54.5° - 16.9° |
| Viewing Angle Adjustment | Pan: 3°-360°, Tilt: 0°-70°, Rotation: 3°-360° |

Video

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|-----------------------------------|--|
| 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 | Wide Dynamic Range, Backlight compensation (BLC), Brightness, Contrast, Sharpness, Automatic gain control, Defogging |
| Digital Noise Reduction | 2D + 3D DNR |
| Privacy Mask | 4 configurable regions |
| Text Overlay | Yes |
| Built-in Analytics | Tampering Detection, Object Line Crossing Detection, Intrusion Detection (Forbidden Area Detection) |
| Image Orientation | Flip, Mirror, Rotation (Corridor mode) |

Audio

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

Network

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

Event

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| Event Trigger | Video motion detection (4 regions) Sound detection Intelligent event detection |
| Event Response | E-mail notification with snapshots, Upload snapshot to FTP server |

Integration

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|-----------------|--------------------------------------|
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T |
| Web Browser | IE 11 |

Interface

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|------------------|---|
| Local Storage | MicroSD Memory Card Slot (card not included, up to 256GB) |
| Operating Button | Reset Button |

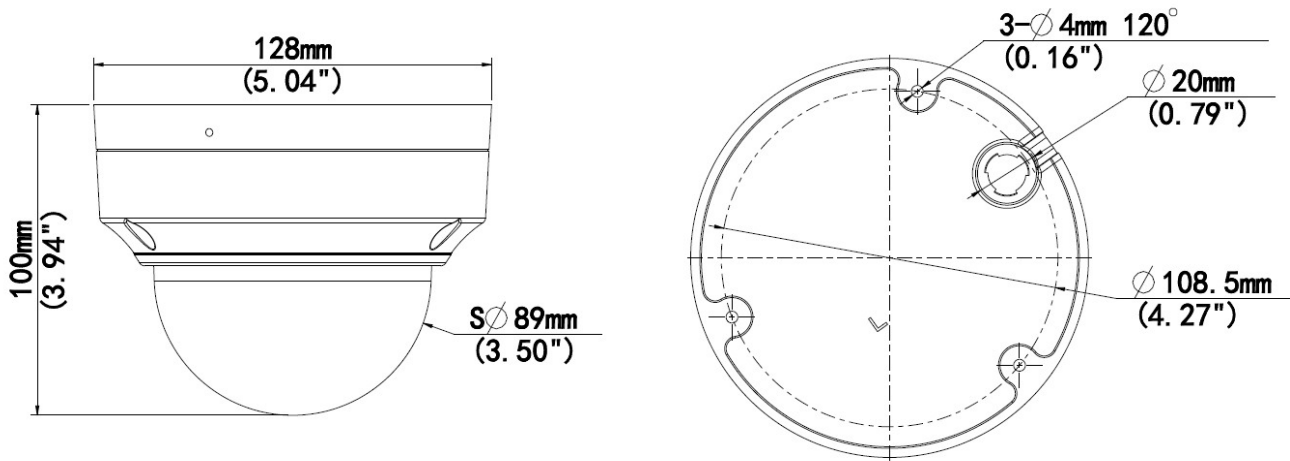
General

| | |
|-----------------------|--|
| Power Source | DC 12V, PoE (IEEE802.3af) |
| Power Consumption | 7.5 W (PoE) |
| Weight | 775g (1.71lb) |
| Dimensions | (Ø): 128mm x 100mm (5.0" x 3.9") |
| Environmental Casing | Weatherproof (IP68), Vandal proof metal casing (IK10) |
| Operating Temperature | -30°C ~ 60°C (-22°F ~ 140°F) |
| Operating Humidity | 10% - 95% RH |
| Approvals | CE Class B, FCC Class B, IP68, IK10 (metal casing) |
| Material | Camera body: Metal Dome Cover: Plastic |
| Real-time Clock (RTC) | No |
| Warranty | 2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

► Photo Indication








► 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 for more information.