

Z812

2MP Outdoor Zoom Dome with D/N, Adaptive IR, Superior WDR, SLLS, 4.3x



- 2 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 4.3x Zoom Lens, f2.8-12/F1.6, Auto focus (for installation)
- Superior WDR (120dB)
- H.265 Compression
- Super wide angle
- Event trigger, response and notification

► Specifications

Device

| | |
|--------------------------|--|
| Product Type | Zoom Dome |
| Maximum Resolution | 2MP |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/2.7 " |
| Day / Night | Yes |
| Low Light Sensitivity | Superior |
| 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 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 | 75 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 | 103.6° - 33.5° |
| Vertical Viewing Angle | 56° - 18.7° |
| Viewing Angle Adjustment | Pan: 3°-360°, Tilt: 0°-70°, Rotation: 3°-360° |

Video

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|-----------------------------------|---|
| Compression | H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 (Baseline/ Main/ High profile), MJPEG |
| Maximum Frame Rate vs. Resolution | 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 |
| Wide Dynamic Range | Superior WDR (120 dB) |
| Image Enhancement | White Balance, Backlight compensation (BLC), Brightness, Contrast, Sharpness, Highlight compensation (HLC), Defogging |
| Digital Noise Reduction | 2D + 3D DNR |
| Privacy Mask | 4 configurable regions |
| Text Overlay | Yes |
| Built-in Analytics | People Detection, Vehicle Detection, Tampering Detection, Object Based Motion 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, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SNMP, SSL, QoS, TLS 1.2 |
| Ethernet Port | 1 x Ethernet (10/100 Base-T), RJ-45 pigtail 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, Save video or snapshot to storage |

Integration

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|----------------|---|
| Edge Recording | Support (integration with NVR by ONVIF Profile G) |
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|-----------------|---|
| ONVIF Compliant | Yes, Profile S, Profile G, Profile T |
| Web Browser | IE 11, Google Chrome, Microsoft Edge, Firefox |

Interface

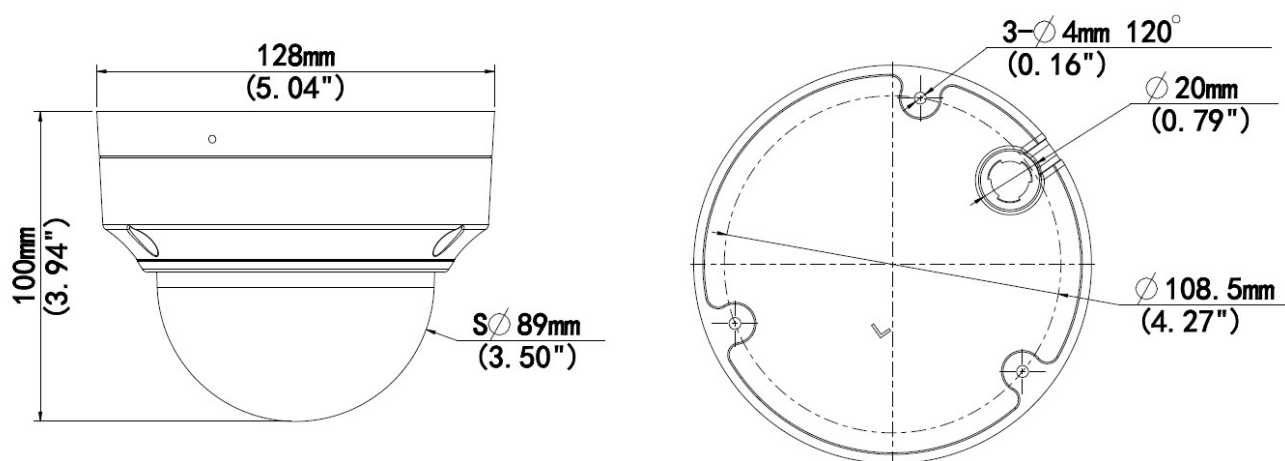
| | |
|------------------|--------------|
| Operating Button | Reset Button |
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General

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|-----------------------|--|
| Power Source | DC 12V, PoE (IEEE802.3af) |
| Power Consumption | 8 W (PoE) |
| Dimensions | (\varnothing x H): 128mm x 100mm (5.0" x 3.9") |
| Environmental Casing | Weatherproof (IP68), Vandal proof (IK10) |
| Corrosion Protection | Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years. |
| Operating Temperature | -40°C ~ 60°C (-40°F ~ 140°F) |
| Operating Humidity | 10% - 95% RH, non-condensing |
| Surge Protection | 6KV |
| Approvals | CE Class B, FCC Class B, IP68, IK10, UL Listed |
| Color | White |
| Real-time Clock (RTC) | No |
| 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.






► Dimension Diagram



Unit: mm [inch]


► Related Products

Mounting Accessories - Camera Mount

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|-----------|---|--|
| PMAX-0128 |  | Pendant Mount (for Z85, Z86, Z87, Z810) |
| PMAX-0323 |  | Wall Mount with Built-in Junction Box (for Z91, Z94, Z95,Z97,Z98, Z77, Z81, Z82, Z85, Z86, Z87, A7X) |
| 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 / Mount Kit (for Z81, Z82, Z85, Z86, Z87, Z812, Z813, Z814) |

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


Dome Covers - Transparent Dome Cover

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| R701-70013 |  | Z85/Z86/ Z812/Z813 Dome Cover |
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Power Supply Accessories - Power Adapter

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| 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 |
| PPBX-0026 |  | Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x |

Power Supply Accessories - PoE Injector

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|-----------|---|--|
| 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) |
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