

Z954

8MP Outdoor Speed Dome with D/N, Adaptive IR, Extreme WDR, ELLS, 25x Zoom Lens



- 8 Megapixel
- Day & Night with Extreme Low Light Sensitivity and Adaptive IR LED
- Extreme WDR
- Endless Pan & Tilt, PTZ Auto Tracking
- H.265 Compression
- Built-in Analytics
- Event trigger, response and notification

► Specifications

Device

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|--------------------------|--|
| Product Type | Speed Dome |
| Maximum Resolution | 8MP |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/1.8 " |
| Effective Pixels | 3864(H) X 2180(V) (8.42 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Extreme |
| Minimum Illumination | Color: 0.003 lux at F1.5 (AGC on); B/W: 0 lux (IR LED on) |
| Color to B/W Switch | ISP based switch, configurable |
| Mechanical IR Cut Filter | Yes |
| IR Sensitivity Range | 700-1100nm |
| IR LED | Adaptive IR LED x 10 (850 nm) |
| IR Working Distance | 200m |
| Electronic Shutter | 1-1/100000 second (manual mode); 1-1/100000 second (auto mode) |

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| Horizontal Resolution (TV Lines) | 2800 TVL |
| S/N Ratio | 75 dB |

Lens

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| Focal Length | Zoom, f6.0-150mm |
| Aperture | F1.5-F3.4 |
| Zoom Ratio | 25x optical zoom, 16x digital zoom |
| Iris | Auto iris |
| Focus | Auto focus |
| Lens Mount | Board mount |
| Horizontal Viewing Angle | 60.5° - 3.1° |
| Vertical Viewing Angle | 36.3° - 1.8° |

PTZ

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| Manual Panning / Tilting Speed | 0.1° - 200°/second, 0.1° - 200°/second |
| Preset Panning / Tilting Speed | 300°/second, 240°/second |
| Panning Range | 360° endless |
| Tilting Range | -15°~90° (with E-flip) |
| PTZ Control | Remote manual control, 1024 preset points, 16 preset tours |

Video

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|-----------------------------------|---|
| Compression | H.265, H.264 (High profile), MJPEG |
| Maximum Frame Rate vs. Resolution | 30 fps at 3840 x 2160 30 fps at 3072 x 2048 30 fps at 2560 x 1440 30 fps at 2688 x 1520 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 triple streams |
| Wide Dynamic Range | Extreme WDR (140 dB) |
| Image Enhancement | White Balance, Backlight compensation (BLC), Defogging |
| Digital Noise Reduction | 2D + 3D DNR |
| Privacy Mask | 24 configurable regions |
| Text Overlay | Yes |
| Built-in Analytics | Deep Learning : People Counting, Face Detection, PTZ Auto Tracking, Tampering Detection, Intrusion Detection (Forbidden Area Detection), Object Line Crossing Detection, Object Enter Area Detection, Object Exit Area Detection, People Line Crossing Detection, People Enter Area Detection, People Exit Area Detection |
| Image Orientation | Flip, Mirror |

Audio

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

Network

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| Network Protocol & Service | IPv4, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, RTMP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SSL/TLS, IEEE 802.1X |
| Ethernet Port | 1 x Ethernet (10/100 Base-T), RJ-45 pigtail connector |
| Maximum User Connections | 32 |
| Security | IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control |

Event

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| Event Trigger | Video motion detection, Intelligent event detection, Sound detection, External device through digital input |
| Event Response | E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to local storage |

System

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| System Log | Support |
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Integration

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| ONVIF Compliant | Yes, Profile S, Profile G, Profile T |
| Web Browser | IE 11, Google Chrome, Microsoft Edge, Firefox |
| SD Card Backup and Recovery | Automatically back up the video recordings from the memory card of camera to Server via ONVIF (Profile G) integration with recovering lost videos after network connection recovery. |

Interface

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| Serial Port | 1 x RS-485 |
| Audio Interface | 1/1, 3.5mm Phone Jack |
| Analog Video Output | 1 x BNC connector |
| Local Storage | MicroSD Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only, microSD to SD Memory Card Adapter is required.) |
| Digital Input/Output | 2/1 |
| Operating Button | Reset Button |

General

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| Power Source | AC 24V, DC 24V, PoE Class 5 (IEEE802.3bt) |
| Power Consumption | 58 W (PoE) |
| Weight | 5610g (12.36lb) |
| Dimensions | (Ø x H): 227mm x 384mm (8.9" x 15.1") |
| 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. |
| Bundled Accessories | Power Adapter |
| Mount Type | Wall Mount, Pole Mount, Pendant, Corner Mount |
| Starting Temperature | -40°C ~ 70°C (-40°F ~ 158°F) |
| Operating Temperature | -40°C ~ 70°C (-40°F ~ 158°F) |

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| Surge Protection | 6KV |
| Approvals | CE Class A, FCC Class A, IP66, IK10 (metal casing), UL(*4) |
| Real-time Clock (RTC) | Yes |
| Warranty | 2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

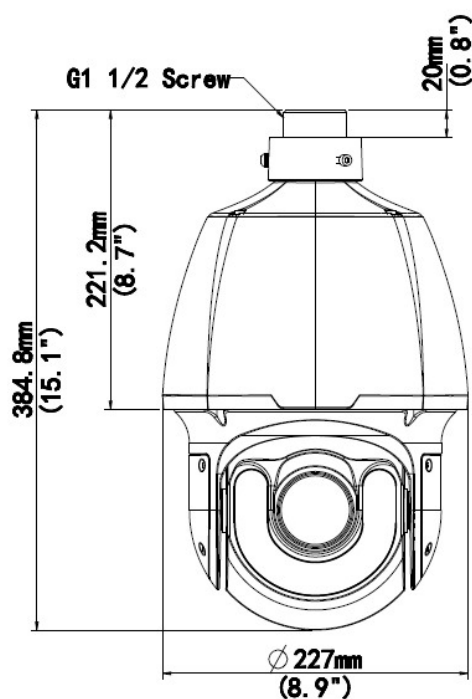
* Edge Recording function is integrated with NVR 3 Corporate / NVR 3 Business / INR / GNR series. *4 UL certification will be available in Q1 2024.



► Photo Indication














► Dimension Diagram



Unit: mm [inch]


▶ Related Products

Mounting Accessories - Camera Mount


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| 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-0125 |  | Straight Tube with Converter Ring (for Q75) |
| PMAX-0322 |  | Wall mount (for Z950, Z952) |
| PMAX-0404 |  | Corner Mount (for Z950, Z952) |
| PMAX-0503 |  | Pole Mount (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0702, PMAX-1106, PMAX-1107), supports 5.25" to 8.5" Poles |
| PMAX-0513 |  | Pole Mount (for Z950, Z952) |
| PMAX-0702 |  | Junction Box for PTZ and Dome Cameras |
| PMAX-0711 |  | Junction box (for Z950, Z952) |
| PMAX-1403 |  | Ceiling Mount (for Z950, Z952) |

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

Power Supply Accessories - PoE Injector

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| PPOE-0201 |  | |
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Audio Devices - Microphone

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| PMIC-0100 |  | Active Microphone Omnidirectional for all Cameras with Line-in Audio |
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