

# Z958

## 2MP Outdoor Speed Dome with D/N, Adaptive IR, Extreme WDR, ELLS, 16x Zoom Lens



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

### ► Specifications

#### Device

|                          |  |
|--------------------------|--|
| Product Type             | Speed Dome   |
| Maximum Resolution       | 2MP  |
| Application Environment  | Outdoor  |
| Image Sensor             | Progressive Scan CMOS  |
| Sensor Size              | 1/2.8 "  |
| Day / Night              | Yes  |
| Low Light Sensitivity    | Extreme  |
| Minimum Illumination     | Color: 0.002 lux at F1.7 (AGC on)                              |
| Mechanical IR Cut Filter | Yes  |
| IR LED                   | Adaptive IR LED x 6 (850 nm)                                   |
| IR Working Distance      | 120m   |
| Electronic Shutter       | 1-1/100000 second (manual mode); 1-1/100000 second (auto mode) |
| S/N Ratio                | 75 dB  |

#### Lens

|              |                 |
|--------------|-----------------|
| Focal Length | Zoom, f5.0-80mm |
|--------------|-----------------|

|                          |                  |
|--------------------------|------------------|
| Aperture                 | F1.7-F2.8        |
| Zoom Ratio               | 16x optical zoom |
| Focus                    | Auto focus       |
| Lens Mount               | Board mount      |
| Horizontal Viewing Angle | 51.7° - 4.89°    |
| Vertical Viewing Angle   | 30.49° - 2.75°   |

## PTZ

|                                |  |
|--------------------------------|--|
| Manual Panning / Tilting Speed | 0.1° - 80°/second, 0.1° - 80°/second                       |
| Preset Panning / Tilting Speed | 80°/second, 80°/second                                     |
| Panning Range                  | 360° endless   |
| Tilting Range                  | -15°~90° (with E-flip)                                     |
| PTZ Control                    | Remote manual control, 1024 preset points, 16 preset tours |

## Video

|                                   |  |
|-----------------------------------|--|
| Compression                       | H.265, H.264, MJPEG  |
| Maximum Frame Rate vs. Resolution | 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 |
| 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  |
| Built-in Analytics                | PTZ Auto Tracking, Tampering Detection                         |
| Image Orientation                 | Flip, Mirror, Rotation (Corridor mode)                         |

## Network

|               |   |
|---------------|---|
| Ethernet Port | 1 x Ethernet (10/100 Base-T), RJ-45 connector |
|---------------|---|

## Event

|                |  |
|----------------|--|
| Event Trigger  | Video motion detection, Video loss   |
| Event Response | Notify control center, Go to PTZ preset point or preset tour, E-mail notification with snapshots, Save video or snapshot to local storage, Upload snapshot to FTP server |

## Integration

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

## Interface












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

**General**

|                       |  |
|-----------------------|--|
| Power Source          | DC 12V, High PoE (IEEE802.3at)   |
| Dimensions            | (Ø x H): 162mm x 293mm (6.4" x 11.5")  |
| 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            | Pendant  |
| Operating Temperature | -40°C ~ 65°C (-40°F ~ 149°F)   |
| Surge Protection      | 6KV  |
| Approvals             | CE Class A, FCC Class A, IP66, IK10 (metal casing), UL Listed  |
| Warranty              | 2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a> |

## ► Related Products

**Mounting Accessories - Camera Mount**

|           |   |  |
|-----------|---|--|
| PMAX-0104 |    | Extension Tube   |
| 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-0126 |  | Straight Tube with Bracket and Converter Ring (for Q75)  |
| PMAX-0322 |  | Wall mount (for Z950, Z952)  |
| PMAX-0346 |  | Heavy Duty Wall Mount with Converter Ring (for Q75, A950, A951, A952, A956)  |
| PMAX-0402 |  | Corner Mount   |
| 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-0807



Gangbox Converter (for PMAX-0102, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0321), supports Two-Gang Boxes

PMAX-1403



Ceiling Mount (for Z950, Z952)

**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 - PoE Injector

PPOE-0106



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)

PPOE-0107



Audio Devices - Microphone

PMIC-0100



Active Microphone Omnidirectional for all Cameras with Line-in Audio