# Z956

**4MP Outdoor Speed Dome with D/N, Extreme WDR, ELLS, 33x**

- 4 Megapixel
- Day & Night with Extreme Low Light Sensitivity
- Extreme WDR (145dB)
- Endless Pan & Tilt, PTZ Auto Tracking
- Event trigger, response and notification

## ▶ Specifications

### Device

| | |
|---|---|
| Product Type | Speed Dome |
| Maximum Resolution | 4MP |
| Application Environment | Outdoor |
| Image Sensor | Progressive Scan CMOS |
| Sensor Size | 1/2.8 " |
| Effective Pixels | 2592(H) X 1944(V) (5.04 MP) |
| Day / Night | Yes |
| Low Light Sensitivity | Extreme |
| Minimum Illumination | Color: 0.003 lux at F1.5 (AGC on); B/W: 0.001 lux |
| Mechanical IR Cut Filter | Yes |
| IR LED | No |
| Electronic Shutter | 1-1/100000 second (manual mode); 1-1/100000 second (auto mode) |
| S/N Ratio | 75 dB |

### Lens

| | |
|---|---|
| Focal Length | Zoom, f4.5-148.5mm |

| Aperture | F1.5-F4.0 |
|---|---|
| Zoom Ratio | 33x optical zoom, 16x digital zoom |
| Iris | Auto iris |
| Focus | Auto focus |
| Horizontal Viewing Angle | 51.4° - 2.5° |
| Vertical Viewing Angle | 30.3° - 1.4° |

## PTZ

| Manual Panning / Tilting Speed | 2° - 200°/second, 2° - 200°/second |
|---|---|
| Preset Panning / Tilting Speed | 400°/second, 240°/second |
| Panning Range | 360° endless |
| Tilting Range | 1°~90° |
| PTZ Control | Remote manual control, Speed Control, Drag to Pan and Tilt, 1024 preset points, 16 preset tours |
| Absolute Position | Yes |

## Video

| Compression | H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264, MJPEG |
|---|---|
| Maximum Frame Rate vs. Resolution | 30 fps at 2688 x 1520 30 fps at 2560 x 1440 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 640 x 360 |
| Multi-Streaming | Simultaneous triple streams |
| Bit Rate | 128Kbps - 16Mbps |
| Wide Dynamic Range | Extreme WDR (145 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 |
| Image Orientation | Flip, Mirror, Rotation (Corridor mode) (90º, 180º, 270º) |

## Audio

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

## Network

| Network Protocol & Service | IPv4, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, NTP, RTP, RTSP, RTCP, 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 |
| Security | IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control |

• For product and mounting accessory information, visit: www.acti.com/products and www.acti.com/mountingselector
• All specifications are subject to change without notice.

## Event

| | |
|---|---|
| Event Trigger | Video motion detection, Tampering detection, Intelligent event detection, Sound detection, External device through digital input, 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 storage, Upload snapshot to FTP server, Activate external device through digital output |

## Integration

| | |
|---|---|
| Unified Solution | Fully compatible with ACTi software |
| 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

| | |
|---|---|
| Serial Port | 1 x RS-485 |
| Analog Video Output | 1 x BNC connector |
| Digital Input/Output | 7/2 |
| Operating Button | Reset Button |

## General

| | |
|---|---|
| Power Source | DC 24V, AC 24V, High PoE (IEEE802.3at) |
| Power Consumption | 16 W (PoE) |
| Weight | 4070g (8.97lb) |
| Dimensions | (Ø x H): 218mm x 297mm (8.6" x 11.7") |
| Environmental Casing | Weatherproof (IP67), Vandal proof (IK10) |
| Corrosion Protection | Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years. |
| Bundled Accessories | Power Adapter (DC 24V) |
| Mount Type | Wall Mount, Pole Mount, Corner Mount |
| Fan | Yes |
| Operating Temperature | -40°C ~ 70°C (-40°F ~ 158°F) |
| Operating Humidity | ≤95% RH, non-condensing |
| Surge Protection | 6KV |
| Approvals | CE Class A, FCC Class A, IP67, IK10, UL Listed |
| Color | White |
| Real-time Clock (RTC) | Yes |
| Warranty | 2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty |

* The built-in analytics functions will be compatible with ZNR servers.

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# ▶ Dimension Diagram



G1 1/2 SCREW

24mm (0.9")
20mm (0.8")
297mm (11.7")
156mm (6.1")
218mm (8.6")
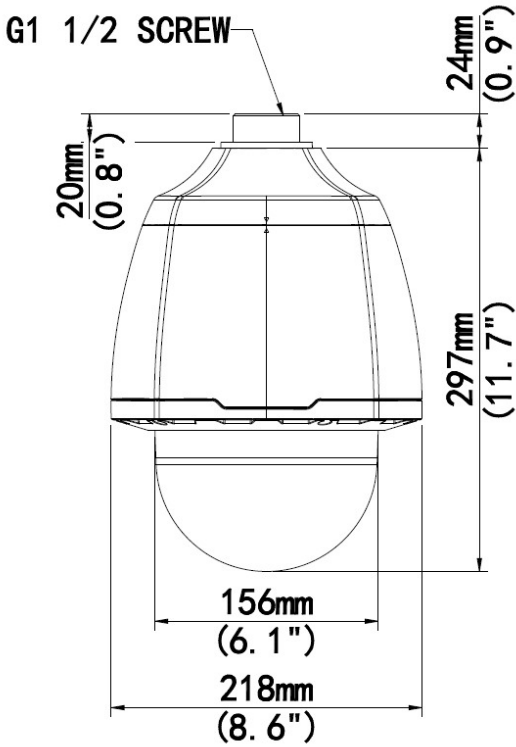
Unit: mm [inch]

# ▶ 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-0126 | | Straight Tube with Bracket and Converter Ring (for Q75) |
| PMAX-0322 | | Wall mount (for Z950, Z952) |
| PMAX-0343 | | Gooseneck with Bracket with Converter Ring (for Q75) |

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| PMAX-0344 | | Gooseneck with Converter Ring (for Q75) |
|---|---|---|
| PMAX-0346 | | Heavy Duty Wall Mount with Converter Ring (for Q75, A950, A951, A952, A956) |
| PMAX-0358 | | Parapet Wall Mount (for Z95X, Q84) |
| 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 for more information.

## Power Supply Accessories - PoE Injector

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

## Audio Devices - Microphone

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

2025/4/20

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