

# Z956

## 4MP Outdoor Speed Dome with D/N, Extreme WDR, ELLS, 33x Zoom Lens



- 4 Megapixel
- Day & Night with Extreme Low Light Sensitivity
- Extreme WDR
- Endless Pan & Tilt, PTZ Auto Tracking
- H.265 Compression
- Built-in Analytics
- 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
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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, 1024 preset points, 16 preset tours

## Video

Compression	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 (per stream)
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) (90°, 180°, 270°)

## 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

## Event

Event Trigger	Video motion detection, Tampering detection, Intelligent event detection, Sound detection, External device through digital input, Video loss
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## 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, 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
Local Storage	MicroSD Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
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	4.07g (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
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 <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

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

## ► 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)

### Audio Devices - Microphone

PMIC-0100



Active Microphone Omnidirectional for all Cameras with Line-in Audio