

A956

2MP Deep Learning AI 40x Outdoor Speed Dome with IR LED 250m, WDR 150dB



- 2 Megapixel, 40x Speed Dome
- Frame Rate 60fps
- Endless Pan & Tilt
- Built-in Analytics
- Event trigger, response and notification

► Specifications

Product Profile

Product Type	Speed Dome
Product Application	Face, People and Car Detection, ALPR
Application Environment	Outdoor
Maximum Resolution	2MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8 "
Effective Pixels	1945(H) X 1097(V) (2.13 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.002 lux; B/W: 0.001 lux; B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED x 8 (850 nm)
IR Working Distance	250m
Electronic Shutter	1-1/10000 second (manual mode); 1-1/10000 second (auto mode)

S/N Ratio	75 dB
Number of Traffic Lanes	1

Lens

Focal Length	Zoom, f4.3-170mm
Aperture	F1.6
Zoom Ratio	40x optical zoom, 10x digital zoom
Iris	P-Iris
Focus	Auto focus
Horizontal Viewing Angle	66.1° - 1.8°
Vertical Viewing Angle	39.8° - 1.1°

PTZ

Manual Panning / Tilting Speed	0.1° - 90°/second, 0.1° - 55°/second
Preset Panning / Tilting Speed	300°/second, 300°/second
Panning Range	360° endless
Tilting Range	-20°~100°
PTZ Control	Remote manual control, Speed Control, Drag to Pan and Tilt, Click to Center, 256 preset points, Auto scan
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 1920 x 1080 60 fps at 1920 x 1080 (WDR off)
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous quad streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (150 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode) (90°, 180°, 270°)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Saturation, Backlight compensation (BLC), Digital Image Stabilizer (DIS, EIS)
Privacy Mask	5 configurable regions
Text Overlay	Yes
Built-in Analytics	Deep Learning : Face Recognition, Face Detection, People Detection, Vehicle Detection, Object Based Motion Detection, Tampering Detection, Object Line Crossing Detection, Object Area Counting, Intrusion Detection (Forbidden Area Detection), Missing Object Detection, Unattended Object Detection, Object Loitering Detection, People Counting, People Line Crossing Detection, People Enter Area Detection, People Incorrect Direction Detection, People Loitering Detection, People Tracking, Vehicle Counting, Vehicle Line Crossing Detection, Vehicle Enter Area Detection, Vehicle Incorrect Direction Detection, Vehicle Loitering Detection, Vehicle Tracking, Stopped vehicle detection, License Plate Detection, Automatic License Plate Recognition

Analytics

Deep Learning AI	2.0
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Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711, G.726, AAC, PCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DDNS, NTP, RTP, RTSP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: People 2444m; Vehicle 2250m Observation: People 970m; Vehicle 893m Recognition: People 489m; Vehicle 450m Identification: People 244m; Vehicle 225m
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Event

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

System

Watchdog	Support
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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, Profile Q, Profile M
Web Browser	Microsoft Edge(IE mode), Microsoft Edge, Google Chrome, Firefox
Supported Countries	Austria / Azerbaijan / Belarus / Belgium / Bosnia and Herzegovina / Bulgaria / Croatia / Cyprus / Czechia / Denmark / Estonia / Finland / France / Georgia / Germany / Greece / Hungary / Ireland / Italy / Japan / Kyrgyzstan / Latvia / Lithuania / Luxembourg / Moldova / Monaco / Montenegro / Netherlands / Macedonia / Norway / Poland / Portugal / Romania / Serbia / Slovakia / Slovenia / Spain / Sweden / Switzerland / Taiwan / United Kingdom / Ukraine / United States / Vietnam

Storage

User Database	User Capacity: 10,000 (up to 5 images per person)
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Interface

Audio Interface	1/1, Terminal block
Analog Video Output	1 x BNC connector
Digital Input/Output	4/2 (Terminal block)
Operating Button	Reset Button

Installation

Vehicle Capture Speed	Front-Installation: 80 km/h Side-Installation: 60 km/h
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General

Power Source	AC 24V, High PoE 60W
Dimensions	(Ø x H): 207mm x 300mm (8.15" x 11.81")
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.
Heater	Yes
Operating Temperature	-40°C ~55°C (-40°F ~ 131°F) heater on
Approvals	CE Class A, FCC Class A, IP66, IK10 (metal casing)
Color	White
Real-time Clock (RTC)	Yes
Warranty	3 Year(s) (1 year in continuous motion). For extended warranty offering, see http://www.acti.com/support/warranty

► Related Products

Mounting Accessories - Camera Mount

PMAX-0115		Pendant Mount (for A950, A951, A952, A956, Z950, Z952)
PMAX-0343		Gooseneck with Bracket with Converter Ring (for Q75)
PMAX-0344		Gooseneck with Converter Ring (for Q75)
PMAX-0346		Heavy Duty Wall Mount with Converter Ring (for Q75, A950, A951, A952, A956)
PMAX-0402		Corner Mount
PMAX-0531		Pole mount for A951
PMAX-0702		Junction Box for PTZ and Dome Cameras

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-0202		High PoE injector 90Watt 10/100/1000M/Multi Gigabit PoE Injector (for A952, A956, Z953, Z954, Q83, Q84)
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