A84

12MP Face, People and Car Detection Outdoor Zoom Dome with D/N, Adaptive IR, Extreme WDR, SLLS, 3x Zoom Lens

- Face, People and Car Detection
- 12 Megapixel with 4K Ultra HD
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 3x Zoom Lens with f3.6-11mm/F1.5, P-Iris, Auto focus (for installation)
- Extreme WDR
- H.265 Compression
- Super wide angle
- Built-in Analytics
- Event trigger, response and notification

▶ Specifications

Device

Product Type	Zoom Dome
Maximum Resolution	12MP
Product Application	Face, People and Car Detection
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.7 "
Effective Pixels	4072(H) X 3046(V) (12.4 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.05 lux at F1.5, B/W: 0.005 lux at F1.5
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1150nm
IR LED	Adaptive IR LED
IR Working Distance	30m

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· All specifications are subject to change without notice.

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Electronic Shutter	1/5-1/64000 second (manual mode); 1/5-1/64000 second (auto mode)
Horizontal Resolution (TV Lines)	3000 TVL
S/N Ratio	56 dB

Lens

Focal Length	Zoom, f3.6-11mm
Aperture	F1.5
Zoom Ratio	3x optical zoom
Zoom Application	Camera Installation
Iris	P-Iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	110.3° - 45.6°
Vertical Viewing Angle	55.5° - 24°
Viewing Angle Adjustment	Pan: ±135°, Tilt: 0°-90°, Rotation: ±90°

Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 4000 x 3000 30 fps at 4096 x 2160 (4K Ultra HD) 30 fps at 3840 x 2160 (4K Ultra HD) 30 fps at 2592 x 1944 30 fps at 2048 x 1536 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 720 x 480 30 fps at 640 x 480 30 fps at 320 x 240
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	128Kbps - 12Mbps (per stream)
Bit Rate Mode	Constant, Variable
Wide Dynamic Range	Extreme WDR (130 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Automatic gain control, Flickerless, Digital Image Stabilizer (DIS, EIS), Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	Yes, 4 configurable regions
Text Overlay	Yes
On-Screen Graphics	Yes
Built-in Analytics	People Detection, Car Detection, Face Detection, Tampering Detection
Server-based Analytics	Object Line Counting, People Counting, Face Detection, Object Based Motion Detection, Tamper, Object Line Crossing Detection, Object Enter Area Detection, Missing Object Detection, Unattended Object Detection, Smoke Detection, Heat Map, Dwell Time, Direction Detection, Automatic License Plate Recognition, People Queue Detection, (Require PC-based or standalone IVS or ALPR Server. Contact ACTi support for recommendations on how to maximize analytical accuracy)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)
IVS performance	Certain algorithms may require more computing power, which may limit the number of algorithms that can be concurrently used in the camera. Please test the actual performance before using in a project.

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Audio

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

Network

Network Protocol & Service	IPv4/v6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, Bonjour, UPnP, QoS, SNMP, IEEE 802.1X
Ethernet Port	1 x RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level, Anonymous login, IEEE 802.1X network access control

Video Analytics

Analysis Source Type	Video
Metadata Accuracy	Standard

Event

Event Trigger	Video motion detection (3 regions), External device through digital input, Sound detection, Intelligent event detection, Video streams loss
Event Response	Notify control center, Change camera settings, Command other devices, E-mail notification with snapshots, Play the audio file, Push notification to mobile device, Save video to local storage, Upload video to NVR server, Upload video or snapshot to FTP server, Activate external device through digital output

Integration

Unified Solution	Fully compatible with ACTi software
Software Development Kit	Yes
GPS Position	Manual setting
ONVIF Compliant	Yes, Profile S, Profile G, Profile T, Profile Q
Web Browser	IE 11
Auto Firmware Upgrade	Yes

Interface

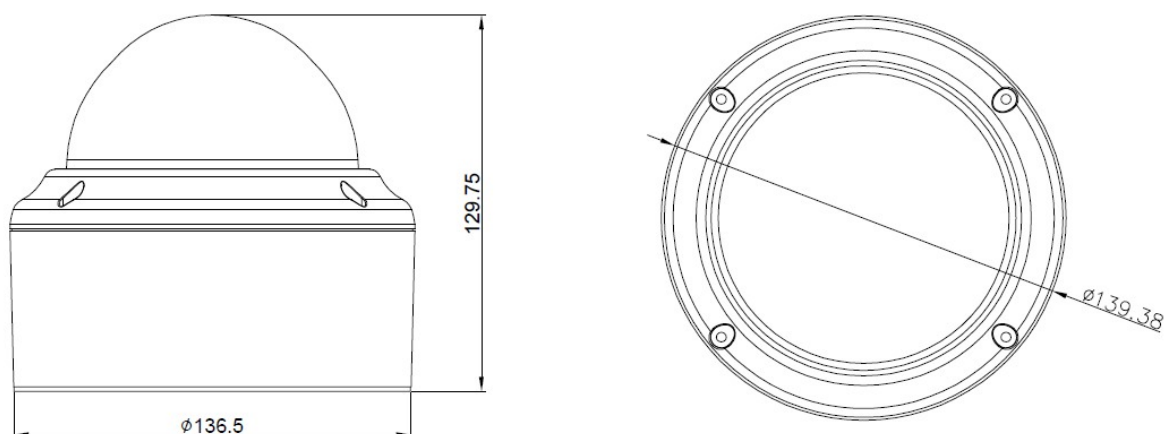|	
Audio Interface	1/1, Terminal block
Analog Video Output	1 x CVBS, Terminal block
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Digital Input/Output	1/1 (Terminal block), DC Output Voltage: 5V
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	12.95 W (PoE)
Weight	1255g (2.767lb)
Dimensions	(Ø x H): 139.38mm x 129.75mm (5.48" x 5.10")
Environmental Casing	Weatherproof (IP66), Vandal proof (IK10)
Mount Type	Surface, Pendant, Wall Mount

Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	20% - 80% RH
Approvals	CE Class A, FCC Class A, EAC, IP66, IK10
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

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▶ Photo Indication

1 Input and Output Connector
 • DC 12V Power Input
 • Digital Input / Output
 • Audio Input / Output
 • Analog Video Output

2 Reset Button

3 Memory Card Slot

4 Ethernet Port

▶ Dimension Diagram

129.75

Ø136.5

Ø139.38

Unit: mm [inch]

▶ Related Products

Mounting Accessories - Camera Mount

PMAX-0104	Extension Tube
PMAX-0113	Pendant Mount (for A8x, except A88)
PMAX-0114	Mount Kit for Dome Cameras (for A8x, except A88)
PMAX-0302	Gooseneck with Bracket
PMAX-0321	Heavy Duty Wall Mount for Outdoor Domes (for A8x, Z83, Z84, except A88)
PMAX-0402	Corner Mount
PMAX-0511	Pole Mount (for A8x), supports 5.25" to 8.5" Poles
PMAX-0702	Junction Box for PTZ and Dome Cameras
PMAX-0704	Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0203~PMAX-0205)
PMAX-0810	Mount Kit and Converter Ring, 1.5" NPT for Third-Party Mounting Accessories (for A8x, except A88)
PMAX-0813	Gang Box Converter (for A8x, except A88), supports Two-Gang Boxes
PMAX-1027	Flush Mount (for A61, A62, A8x, except A88)

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

Dome Covers - Transparent Dome Cover

R701-70009	Transparent Dome Cover (for A8x-10A)

Audio Devices - Microphone

PMIC-0100	Active Microphone Omnidirectional for all Cameras with Line-in Audio
PMIC-0201	Passive Microphone Omnidirectional for all Cameras with Mic-In Audio using Cable Wire or Terminal Connector, 2m cable

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