

# A44

## 12MP Face, People and Car Detection Zoom Bullet 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 Bullet
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

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

## 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°

## 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, 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.

## Audio

Audio Type	2-way, Mic-in, Line-in, Line-out
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Audio Compression	G.711 u-law
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## 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 pigtail 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, Cable with 3.5mm Phone Jack
Analog Video Output	1 x CVBS, BNC connector, for installation only
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)
Digital Input/Output	1/1 (Cable with 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	1252g (2.76lb)
Dimensions	(W x H x D): 94mm x 86mm x 291.1mm (3.7" x 3.38" x 11.46")
Environmental Casing	Weatherproof (IP66), Vandal proof metal casing (IK10)
Bundled Accessories	Integrated bracket
Mount Type	Integrated Bracket, Pole Mount

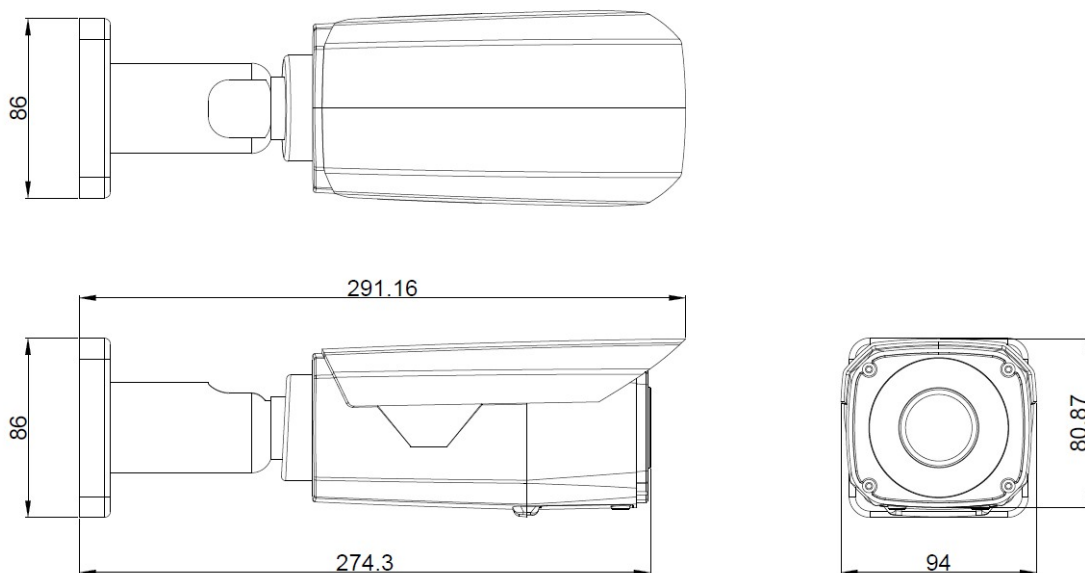
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F)
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	20% - 80% RH
Approvals	CE, FCC, EAC, IP66, IK10 (metal casing)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

► Photo Indication



- 1 Audio Output
- 2 DC 12V Power Input
- 3 Factory Reset
- 4 BNC Video Output
- 5 Audio Input
- 6 Ethernet Port
- 7 Digital Input / Output






► Dimension Diagram



Unit: mm [inch]



## ▶ Related Products

### Mounting Accessories - Camera Mount

PMAX-0512		Pole Mount (for E39, PMAX-0706), supports 3.25" to 7.0" Poles
PMAX-0517		Pole Mount (for A44, A45, A46, A48, A413), supports 3.25" to 7.0" Poles
PMAX-0518		Pole Mount (for A44, A45, A46, A48, A413), supports 2" to 3" Poles
PMAX-0524		Pole Mount (for A416, A418, ,A419, A44, A45, A46, A48, VMGB-351, B419-P2), supports 2.64" to 5" Poles
PMAX-0706		Junction Box (for A3x, A4x, E39, E41x, PMAX-0805)

**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://www.acti.com/mountingselector) for more information.

### Audio Devices - Microphone

PMIC-0100		Active Microphone Omnidirectional for all Cameras with Line-in Audio
PMIC-0200		Passive Microphone Omnidirectional for all Cameras with Mic-in Audio using 3.5mm Phone Jack