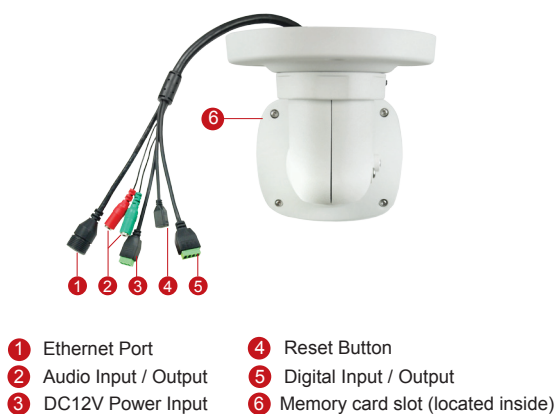# I48

2MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 33x Zoom Lens
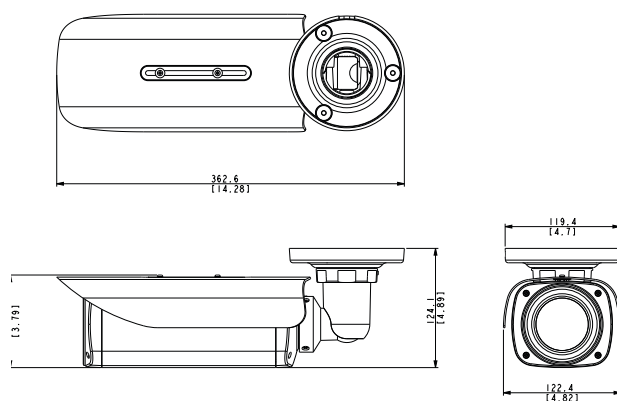

Full HD 1080

- 2 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 33x Zoom Lens with f4.5 - 148.5mm / F1.6 - 5.0, DC iris, Auto Focus
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080
- Weatherproof (IP67) and Vandal Proof Metal Casing (IK10)
- Built-in Analytics

PHOTO INDICATION

1 Ethernet Port	4 Reset Button
2 Audio Input / Output	5 Digital Input / Output
3 DC12V Power Input	6 Memory card slot (located inside)

DIMENSION DIAGRAM

362.6 [14.28]
[3.79]
24.1 [4.89]
119.4 [4.7]
122.4 [4.82]

Unit: mm [inch]

ACCESSORY OPTIONS

Power Supply		
PPOE-0001		IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter
PPBX-0002		AC 100-240V to DC 12V power adapter with universal connector

Popular Mounting Solutions		
Wall	Integrated bracket	
Ceiling	Integrated bracket	
Pole	PMAX-0504	
Gang Box	PMAX-0806	

* For more mounting solutions, please refer to Project Planner on www.acti.com

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* Latest product information: www.acti.com/product/
* Accessory information: www.acti.com/accessory/

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PRODUCT SPECIFICATION

I48	

• Device

Device Type	Zoom Bullet Camera
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	1944 (H) x 1224 (V) (2.38 MP)
Horizontal Resolution	1800 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F1.6 (30 IRE, 2400°K); B/W: 0 lux (IR LED on)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700~1100nm
IR LED	Adaptive IR LED x 27 (850 nm)
IR Working Distance	40 m (120 m with Max Exposure Gain)
Electronic Shutter	1/5 ~ 1/32,000 sec (manual mode); 1/5 ~ 1/32,000 sec (auto mode)
S/N Ratio	56 dB

• Lens

Focal Length / Aperture	Zoom, f4.5 - 148.5 mm / F1.6 - 5.0
Zoom Ratio / Speed	33x optical; 3 sec (wide to tele)
Zoom Application	Camera installation; Auto zoom by event; Manual operation
Iris	DC iris
Focus	Auto focus
Mount Type	Board mount
Horizontal Viewing Angle	69.3° ~ 3°
Vertical Viewing Angle	38° ~ 1.7°

• Video

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Max. Frame Rate vs. Resolution	60 fps at 1920 x 1080; 60 fps at 1280 x 720; 30 fps at 640 x 480; 30 fps at 320 x 240
Multi-Streaming	Simultaneous triple streams based on three configurations
Bit Rate	128 Kbps - 12 Mbps (per stream)
Bit Rate Mode	Constant, Variable
Image Enhancement	Extreme WDR (145 dB); White balance: automatic, hold, and manual; Brightness; Contrast; Sharpness (auto); Auto gain control; 2D+3D digital noise reduction; Flickerless; Defogging; Digital image stabilizer
Privacy Mask	20 configurable 3D privacy masks
Text Overlay	User defined text on video
Image Orientation	Rotation
Built-in Analytics	Face Detection, Object Based Motion Detection, Tampering, Shock Detection, Line Crossing, Enter Area, Missing Object, Unattended Object, Loitering

• Audio

Compression	8kHz, Mono, PCM, 16 bit encoding, G.711
Audio-In	Line-in; Terminal block
Audio-Out	Line-out; Terminal block

• 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, Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering; HTTPs encryption; Password protected user levels; Anonymous login; IEEE802.1X network access control

• Alarm

Alarm Trigger	Video motion detection (10 regions), External device through digital input, Sound detection, Intelligent event detection,
Alarm Response	Notify control center, Go to Zoom preset point or preset tour, 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

• Interface

Digital Input	1, Terminal block
Digital Output	1, Terminal block
Local Storage	MicroSDHC, MicroSDXC memory card slot (card not included)

• General

Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 12.6W; DC 12V (adapter not included) / 10.3W
Weight	2.18 kg (4.81 lb)
Dimensions (W x H x D)	122 mm x 124 mm x 363 mm (4.82" x 4.89" x 14.28")
Environmental Casing	Weatherproof (IP67 rated); Vandal proof metal casing (IK10)
Mount Type	Gang Box, Integrated Bracket, Pole Mount
Starting Temperature	-40°C ~ 50°C (-40°F ~ 122°F) within 30 minutes
Operating Temperature	-40°C ~ 50°C (-40°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP67, NEMA 4X, IK10 (metal casing), UL (for optional PoE injector and power adapter)

• Integration

Unified Solution	Fully compatible with ACTi software
ISV Integration	Software Development Kit (SDK) available; ONVIF compliant; GB28181 compliant
Firmware Access Browser	IE 11
Auto Firmware Upgrade	Yes
GPS Position	Manual Setting

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