

# I47

## 4MP with D/N, Adaptive IR, Advanced WDR, SLLS, 30x Zoom Lens



- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 30x Zoom Lens with f4.3-129mm/F1.6-F5.0, DC iris, Auto focus
- Advanced WDR
- Event trigger, response and notification

### ► Specifications

#### Device

Product Type	Zoom Bullet
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3 "
Effective Pixels	2688(H) X 1520(V) (4.09 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F1.6 (30 IRE, 2400 K); B/W: 0 lux at F1.6 (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	40m
Electronic Shutter	1/5-1/2000 second (manual mode); 1/5-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1850 TVL
S/N Ratio	56 dB

**Lens**

Focal Length	Zoom, f4.3-129mm
Aperture	F1.6-F5.0
Zoom Ratio	30x optical
Zoom Speed	2.87 second (wide to tele)
Zoom Application	Camera Installation, Auto Zoom by Event, Manual Operation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	66.4° - 2.14°
Vertical Viewing Angle	40.8° - 1.84°

**PTZ**

Absolute Position	Yes
Pan, Tilt or Zoom protocol	Visca, Pelco-D, Pelco-P, ACTi URL command

**Video**

Compression	H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	15 fps at 2688 x 1520 15 fps at 2560 x 1440 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 640 x 480 15 fps at 320 x 240
Multi-Streaming	Simultaneous dual streams based on two configurations
Bit Rate	28Kbps - 6Mbps (per stream)
Bit Rate Mode	Constant, Variable
Wide Dynamic Range	Advanced WDR (75 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	32 configurable 3D privacy masks
Text Overlay	Yes
On-Screen Graphics	Yes
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

**Audio**

Audio Type	2-way, Line-in, Line-out
Audio Compression	8 kHz, 16 bit encoding, Mono, PCM, G.711

## 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

## Event

Event Trigger	Video motion detection (3 regions), External device through digital input, Sound detection,
Event 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 or snapshot to FTP server, Upload video to NVR 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* (To be available through future firmware upgrade), Profile Q
GB28181 Compliant	Yes
Web Browser	IE 11
Auto Firmware Upgrade	Yes

## Interface

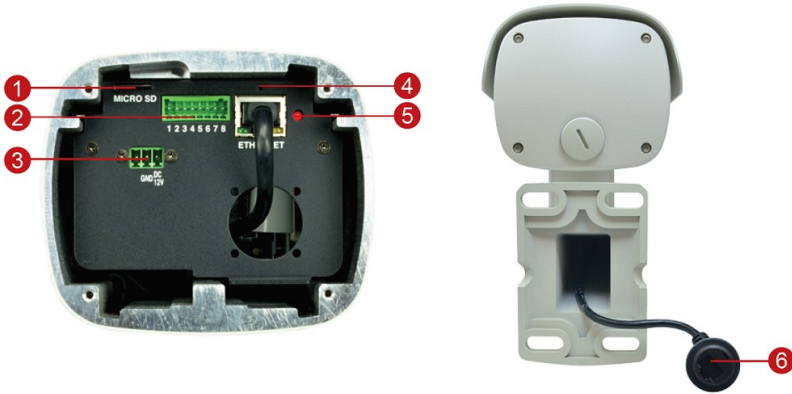
Audio Interface	Terminal block
Local Storage	MicroSDHC, MicroSDXC Memory Card Slot (card not included, up to 256GB)
Digital Input/Output	1/1
Operating Button	Reset Button

## General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	6.48 W (PoE)
Weight	2443g (5.386lb)
Dimensions	(W x H x D): 122.4mm x 223.7mm x 317mm (4.82" x 8.81" x 12.48")
Environmental Casing	Weatherproof (IP67), Vandal proof metal casing (IK10)
Bundled Accessories	Bracket
Mount Type	Ceiling Bracket, Gang Box, Integrated Bracket, Pole Mount
Heater	Yes
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

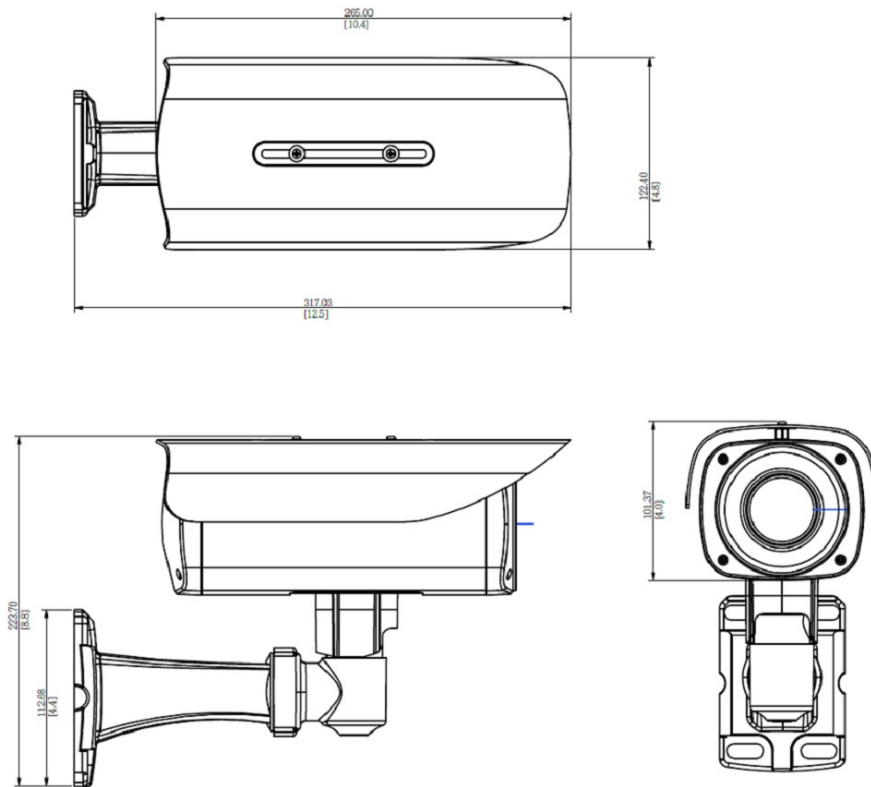
Approvals	CE, FCC, EAC, IP67, IK10 (metal casing), NEMA 4X, UL (for optional PoE injector and power adapter)
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

### ► Photo Indication



- 1 Memory Card Slot
- 2 Digital Input / Output and Audio-In / Audio-Out
- 3 DC 12V Power Input
- 4 Reset Button
- 5 Power LED
- 6 Ethernet Port








### ► Dimension Diagram



Unit: mm [inch]


## ▶ Related Products

### Mounting Accessories - Camera Mount


PMAX-0504		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0330), supports 3.25" to 7.0" Poles
PMAX-0505		Pole Mount (for B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0312, PMAX-0313, PMAX-0314, PMAX-0330), supports 2" to 3" Poles
PMAX-0508		Pole Mount (for PMAX-0203, PMAX-0204, PMAX-0205, PMAX-0206, PMAX-0704), supports 3" to 9" Poles
PMAX-0704		Junction Box (for A4x, B4x, B41x, E44, E45, E46, E48, E44A, E45A, E46A, E41x, I4x, PMAX-0203~PMAX-0205)
PMAX-0806		Gang Box Converter (for B4x, E39, E44, E45, E46, E44A, E45A, E46A), supports 4" Round and 4" Octagon Boxes
PMAX-1300		Ceiling Bracket (for B4x)
R708-00001		Bracket (for B41, B44, B45, B46, B47, B49, B410, I44, I45, I47)

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


### Bullet Covers - Front Cover

R700-00007		Front Cover (for B4x, B410, I4x except I42 and I48)
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### Power Supply Accessories - Power Adapter

PPBX-0011		Power Adapter AC 100~240V, with universal connectors for all DC12V powered devices
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### Power Supply Accessories - PoE Injector


PPOE-0001		PoE Injector IEEE 802.3af compliant, AC 100~240V, with universal connectors
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### Network & Storage Peripherals - Data Switch

PPSW-0100		PLANET FGSD-910HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0101		PLANET GS-4210-8P2T2S 8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-2101		4-Port 802.3at PoE Switch (PoE Budget 62W)

PPSW-3100  PLANET FGSW-1816HPS 16-Port 802.3at PoE Switch (PoE Budget 220W)


### Extenders - PoE Extender

PPEX-0100  Veracity OUTREACH Max Power over Ethernet (PoE) Extender

### Extenders - PoE over Coaxial Extender Kit

PPOC-0100  Planet LRP-101C-KIT Power over Coax Adapter Kit


### Audio Devices - Microphone

PMIC-0100  Active Microphone Omnidirectional for all Cameras with Line-in Audio


### Illuminators - IR LED Illuminator

PLED-0200  SPINLUX (SL-A2IRXX10-24CL) IR Illuminator 10° Angle with 120 m approx. range


PLED-0201  SPINLUX (SL-A2IRXX25-24CL) IR Illuminator 25° Angle with 50 m approx. range

PLED-0202  SPINLUX (SL-A2IRXX35-24CL) IR Illuminator 35° Angle with 25 m approx. range


### Other Accessories - Camera Part


R716-00001  Sunshield (for B4x, I4x)


### Product Demo - Camera Demo Kit

PCDK-0001  Camera Demo Kit Rack Box (350 x 550 x 140 mm) for all cameras except Mini Domes

### Installation Support - Camera Installation Kit

PMON-1001-010  Camera Installation Kit for use with iOS Device with belt bag, battery and charger (US, AC 110~240V)

PMON-1001-011  Camera Installation Kit for use with iOS Device with belt bag, battery and charger (Europe, AC 110~240V)

PMON-2000  Camera Installation Kit