

# E416

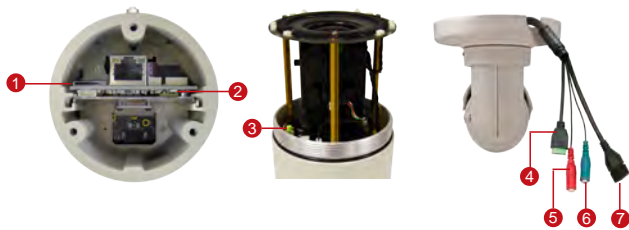
**10MP, Zoom Bullet with D/N, Adaptive IR, Basic WDR, 4.3x Zoom Lens**



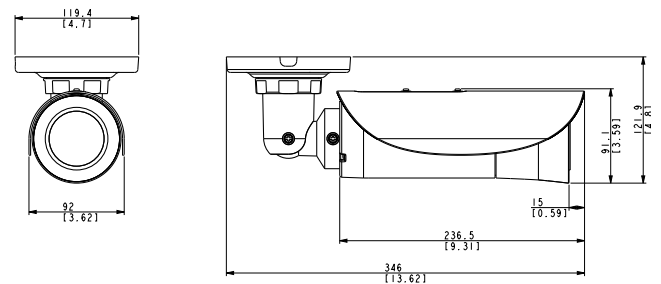
- 10 Megapixel with 4K/1080p
- Day & Night with Adaptive IR LED
- 4.3x Zoom Lens with f3.1 - 13.3mm / F1.4 - 4.0, P-Iris, Auto Focus (for installation)
- Basic WDR (70 dB)
- 30 fps at 1920 x 1080
- Super Wide Angle
- Weatherproof (IP67) and Vandal Proof Metal Casing (IK10)

## PHOTO INDICATION

## DIMENSION DIAGRAM



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



Unit: mm [inch]

## ACCESSORY OPTIONS

Power Supply		
PPOE-0001		IEEE 802.3af PoE Injector for Class 1, 2 or 3 devices, with universal adapter

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](http://www.acti.com)

## PRODUCT SPECIFICATION

### E416

#### • Device

Device Type	Zoom Bullet
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.3"
Effective Pixels	3856 (H) x 2764 (V) (10.66 MP)
Horizontal Resolution	1450 TVL
Day / Night	Yes
Low Light Sensitivity	Standard
Minimum Illumination	Color: 0.1 lux at F1.4 (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 18 (850 nm)
IR Working Distance	30 m (0 lux, 30 IRE, Gain 255, Auto shutter mode)
Electronic Shutter	1/5 ~ 1/2,000 sec (manual mode); 1/5 ~ 1/10,000 sec (auto mode)
S/N Ratio	52 dB

#### • Lens

Focal Length / Aperture	Zoom, f3.1 - 13.3mm / F1.4 - 4.0
Zoom Ratio / Speed	4.3x optical / 3 sec (wide to tele)
Zoom Application	Camera Installation
Iris	P-iris
Focus	Auto focus
Mount Type	Board mount
Horizontal Viewing Angle	109° ~ 26.4°

#### • Video

Compression	H.264 (Baseline / Main / High profile), MJPEG
Max. Frame Rate vs. Resolution	7 fps at 3648 x 2736; 7 fps at 3648 x 2160; 7 fps at 2592 x 1944; 7 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 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
Privacy Mask	4 configurable regions
Image Enhancement	Basic WDR (70 dB); White balance: automatic, hold and manual; Brightness; Contrast; Sharpness (auto); Auto gain control; 2D+3D digital noise reduction; Flickerless
Text Overlay	User defined text on video
Image Orientation	Image flip and mirror

#### • Audio

Compression	8kHz, Mono, PCM, 16 bit encoding, G.711
Audio-In	Cable with 3.5mm phone jack
Audio-Out	Cable with 3.5mm phone jack

#### • Network

Protocol & Service	TCP, UDP, HTTP, HTTPS, DHCP, PPPoE, RTP, RTSP, IPv4, IPv6, DNS, DDNS, NTP, ICMP, ARP, IGMP, SMTP, FTP, UPnP, SNMP, Bonjour, Sony VISCA, Pelco-D, Pelco-P
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 (3 regions); External device through digital input; Sound detection
Alarm Response	Notify control center; Change camera settings; Command other devices; E-mail notification with snapshots; Save video or snapshot to local storage; 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 card slot (card not included)

#### • General

Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 12W
Weight	1408 g (3.104 lb)
Dimensions (W x H x D)	92 mm x 122 mm x 349 mm (3.6" x 4.8" x 13.7")
Bundled Accessories	Integrated bracket
Environmental Casing	Weatherproof (IP67 rated); Vandal proof metal casing (IK10)
Mount Type	Wall, Pole, Ceiling, Gang box
Starting Temperature	-20°C ~ 50°C (-4°F ~ 122°F) within 30 mins
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	10% ~ 85% RH
Approvals	CE (EN 55022 Class B, EN 55024), FCC (Part15 Subpart B Class B), IP67, NEMA4X, 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
GPS Position	Manual setting
Firmware Access Browser	Microsoft Internet Explorer 8.0 or newer (full functionality) Safari with QuickTime installed, and other browsers with VLC installed (partial functionality)
Auto Firmware Update	Yes

\* All specifications are subject to change without notice.

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