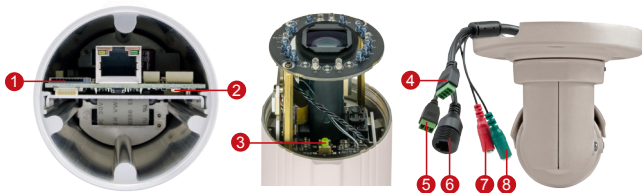## Bullet Camera

E417

2MP Video Analytics Zoom Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, 10x Zoom Lens
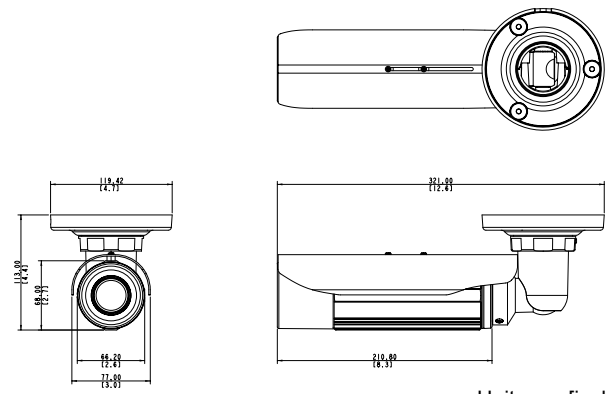

Full HD 1080

- 2 Megapixel with 1080p
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- 10x Zoom Lens with f4.9 - 49mm / F2.8 - 3.5, Adaptive Iris, Auto Focus (for Installation)
- Extreme WDR (145 dB)
- 60 fps at 1920 x 1080 (60 Hz)
- Weatherproof (IP68) and Vandal Proof Metal Casing (IK10)
- Built-in Analytics

PHOTO INDICATION

①	Memory Card Slot	⑤	DC 12V Power Input
②	Power LED	⑥	Ethernet Port
③	Reset Button	⑦	Audio-In
④	Digital Input / Output	⑧	Audio-Out

DIMENSION DIAGRAM

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

■ PRODUCT SPECIFICATION

E417	
• Device	
Device Type	Zoom Bullet
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.8"
Effective Pixels	1944 (H) x 1224 (V) (2.38 MP)
Horizontal Resolution	1100 TVL
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.1 lux at F2.8 (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	56 dB
• Lens	
Focal Length / Aperture	Zoom, f4.9 - 49mm / F2.8 - 3.5
Zoom Ratio / Speed	10x optical / 3.3 sec (wide to tele)
Zoom Application	Camera installation
Iris	Adaptive iris
Focus	Auto focus
Mount Type	Board mount
Horizontal Viewing Angle	60° ~ 7.3°
• 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 video 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
Text Overlay	User defined text on video
Privacy Mask	20 configurable regions
Built-in Analytics	Object Based Motion Detection, Tamper, Digital Image Stabilizer, **Line Crossing, **Enter Area, **Exit Area, **Appear in Area, **Missing Object, **Unattended Object
Image Orientation	Image flip, mirror and rotation
• 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 (10 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 card slot (card not included)
• General	
Power Source / Consumption	PoE Class 3 (IEEE802.3af) / 9 W; DC 12V (adapter not included)
Weight	1120 g (2.469 lb)
Dimensions (W x H x D)	119.42 mm x 113 mm x 291 mm (4.7" x 4.45" x 11.46")
Bundled Accessories	Integrated bracket
Environmental Casing	Weatherproof (IP68 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), IP68, 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
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 Upgrade	Yes
GPS Position	Manual Setting

** Functionalities will be available in a future firmware update

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