Z39

4MP Mini Bullet with D/N, Adaptive IR, Superior WDR, SLLS, Fixed Lens

- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f2.8mm/F1.6
- Superior WDR
- H.265 Compression
- Wide Angle
- Built-in Analytics
- Event trigger, response and notification

▶ Specifications

Device

Product Type	Mini Bullet
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3 "
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.003 lux at F1.6 (AGC on); B/W: 0 (AGC on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED x 2 (850 nm)
IR Working Distance	50m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	56 dB

Lens

Focal Length	Fixed focal, f2.8mm

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Aperture	F1.6
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	99°
Vertical Viewing Angle	53.8°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

Video

Compression	H.265, H.264 (Baseline/ Main/ High profile), MJPEG
Maximum Frame Rate vs. Resolution	25 fps at 2688 x 1520 25 fps at 2560 x 1440 30 fps at 2304 x 1296 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 30 fps at 704 x 288 30 fps at 640 x 360 30 fps at 352 x 288
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Superior WDR (120 dB)
Image Enhancement	Wide Dynamic Range, Backlight compensation (BLC), Brightness, Contrast, Sharpness, Automatic gain control, Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Tampering Detection, Object Line Crossing Detection, Intrusion Detection (Forbidden Area Detection)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)

Audio

Audio Type	1-way, Built-in Microphone
Audio Compression	G.711

Network

Network Protocol & Service	IPv4, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SSL, SNMP
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Security	IP address filtering, HTTPS encryption, Password protected user level

Event

Event Trigger	Video motion detection (4 regions), Sound detection, Intelligent event detection
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server

Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 11

Interface

Local Storage	MicroSD Memory Card Slot (card not included, up to 256GB, Kingston or Sandisk only)

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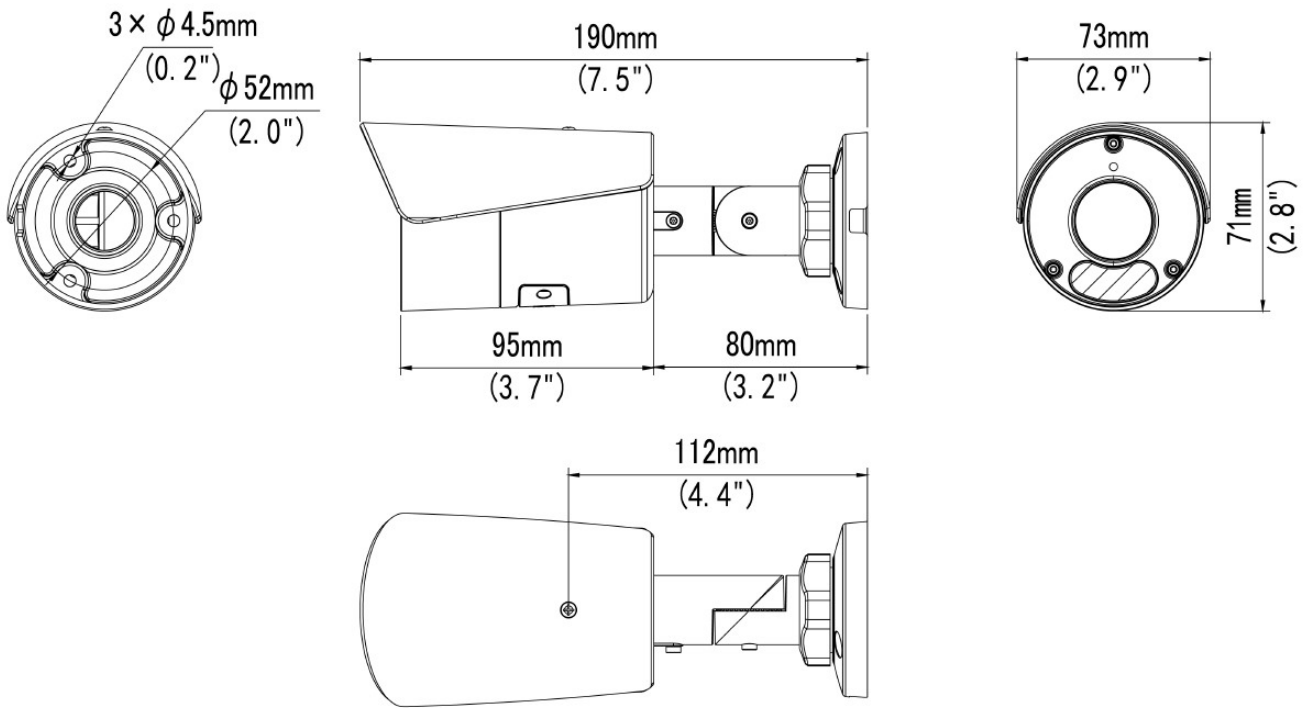| Operating Button	No

General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	6 W (PoE)
Weight	450g (0.99lb)
Dimensions	(W x H x D): 73mm x 71mm x 190mm (2.9" x 2.8" x 7.5")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Operating Humidity	10% - 95% RH
Approvals	CE Class B, FCC Class B, IP68, IK10 (metal casing)
Material	Camera body: Metal
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

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▶ Photo Indication

1 DC 12V Power Input
2 Ethernet Port
3 Built-in Microphone
4 Memory Card Slot

▶ Dimension Diagram

3 × φ4.5mm (0. 2")
φ52mm (2. 0")

190mm (7. 5")

73mm (2. 9")

71mm (2. 8")

95mm (3. 7")

80mm (3. 2")

112mm (4. 4")

Unit: mm [inch]

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▶ Related Products

Bullet - Bullet

E33A		5MP Bullet with D/N, Adaptive IR, Basic WDR, Fixed lens, f4.2mm/F1.8 (HOV:62.7°), H.264, 1080p/30fps, DNR, MicroSDHC/MicroSDXC, PoE, IP68, IK10 (metal casing)

Mounting Accessories - Camera Mount

PMAX-0527		Pole Mount (for Z4x, Z710, Z8x, Z9x, A7x), supports 2.64" to 5" Poles
PMAX-0729		Round Junction Box (for Z39, Z48, Z49)

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

Power Supply Accessories - Power Adapter

PPBX-0012		Power Adapter AC 100~240V (US), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0013		Power Adapter AC 100~240V (EU), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
PPBX-0014		Power Adapter AC 100~240V (UK), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x

Power Supply Accessories - PoE Injector

PPOE-0002		PoE Injector IEEE 802.3af compliant, AC 100~240V, with universal connectors

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