Z310

8MP Deep Learning AI LightGuard f2.8mm Fixed Bullet with IR LED 50m, WDR 120dB



- 8 Megapixel, f2.8mm, Fixed Bullet
- Deep Learning AI, LightGuard
- IR LED 50m, Superior WDR (120 dB)
- Color Min. Illumination 0.005 lux
- Smart Motion Detection
- Weatherproof (IP68), Vandal proof (IK10), UL Listed

Specifications

Product Profile

Product Type	Fixed Bullet
Application Environment	Outdoor
Maximum Resolution	8MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Superior
LightGuard	Yes
Minimum Illumination	Color: 0.005 lux at F1.6 (AGC on); B/W: 0 (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	50m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Fixed focal, f2.8mm

Aperture	F1.6
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	99°
Vertical Viewing Angle	55.3°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

Video

Compression	H.265 Adaptive Stream, H.264 Adaptive Stream, MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 3840 x 2160 30 fps at 3072 x 1728 30 fps at 2560 x 1440 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 576 30 fps at 640 x 360 30 fps at 704 x 288 30 fps at 352 x 288
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Superior WDR (120 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)(±90º, 180º)
Image Enhancement	White Balance, Brightness, Contrast, Backlight compensation (BLC), Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), People Detection, Vehicle Detection, Object Line Crossing Detection, People Intrusion Detection, Tampering Detection

Analytics

Deep Learning AI	1.0

Audio

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

Network

Network Protocol & Service	IPv4, TCP, UDP, DHCP, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SNMP
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 pigtail connector

Event

Event Response	E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to storage

Integration

ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 11, Google Chrome, Microsoft Edge, Firefox

Interface

Operating Button	Reset Button

General

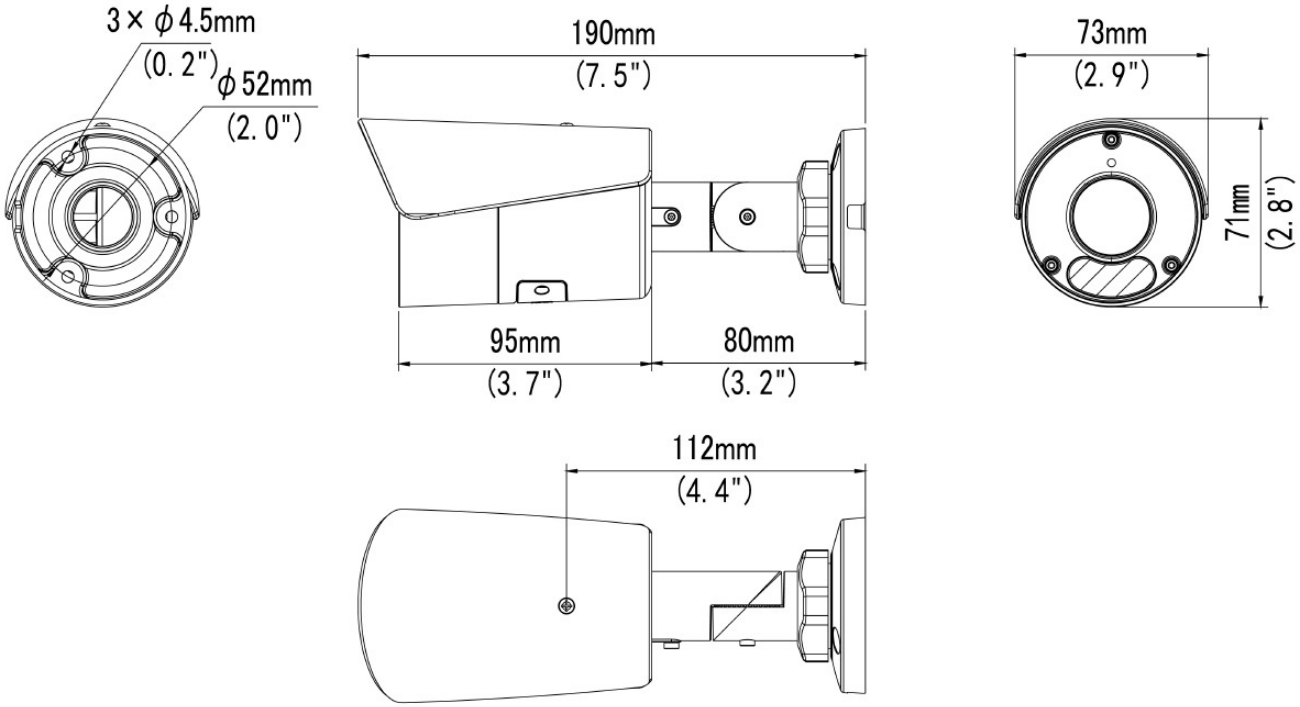
Power Source	DC 12V (adapter not included), PoE Class 3 (IEEE802.3af)
Power Consumption	6.5 W (PoE)
Weight	450g (0.99lb)
Dimensions	(W x H x D): 73mm x 71mm x 190mm (2.9" x 2.8" x 7.5")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating Temperature	-30°C ~ 50°C (-22°F ~ 122°F)
Approvals	CE Class B, FCC Class B, IP68, IK10 (metal casing), UL Listed
Color	White
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. DC 12V Power Input
2. Ethernet Port
3. Built-in Microphone

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0409		Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550, K3x, K5x, K7x)
PMAX-0538		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550, K3x, K5x, K7x) , supports 2.64" to 5" Poles
PMAX-0729		Junction Box (for Z39, Z310, 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-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
PPBX-0026		Power Adapter AC 100~240V (US), for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x
PPBX-0034		Power Adapter AC 100~240V (US) for A3x, A4x, A7x, A88, A9x, Z3x, Z4x, Z7x, Z8x, Z9x, Q550

Power Supply Accessories - PoE Injector

PPOE-0107		High PoE Injector IEEE 802.3at compliant, AC 100~240V, with universal connectors (for A416, A418, B913, B923, B934, Q450, Q75, VMGB-60X, Z37, Z71, Z952)

Other Accessories - Camera Part

R707-X0016		Rubber-GX waterproof (for Z cameras) (5pcs/BOX)