

# Z319

## 5MP Deep Learning AI LightGuard f2.8mm Fixed Bullet with IR LED 50m, WDR 130dB



- 5 Megapixel, f2.8mm Fixed Bullet
- Smart Motion Detection
- Weatherproof (IP68), Vandal proof metal casing (IK10), UL Listed
- Super wide angle
- Built-in Analytics

### ► Specifications

#### Product Profile

Product Type	Fixed Bullet
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Extreme
LightGuard	Yes
Minimum Illumination	Color: 0.003 lux at F1.6 (AGC on); B/W: 0 lux (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

<b>Lens</b>	
Focal Length	Fixed focal, f2.8mm
Aperture	F1.6
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	112.9°
Vertical Viewing Angle	59.1°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

<b>Video</b>	
Compression	H.265 Adaptive Stream (equivalent to Zip or Smart Stream or H.265+), H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), MJPEG
Maximum Frame Rate vs. Resolution	25 fps at 2880 x 1620 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 640 x 360
Bit Rate	128Kbps - 6Mbps
Multi-Streaming	Simultaneous dual streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (130 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)(±90°, 180°)
Image Enhancement	White Balance, Brightness, Contrast, Saturation, Digital Noise Reduction, Highlight compensation (HLC), 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, People Line Crossing Detection, People Intrusion Detection, Tampering Detection

<b>Analytics</b>	
Deep Learning AI	1.0

<b>Audio</b>	
Audio Type	1-way, Built-in Microphone
Audio Compression	G.711

<b>Network</b>	
Network Protocol & Service	IPv4, TCP, UDP, DHCP, HTTP, HTTPS, DNS, DDNS, NTP, RTP, RTSP, RTCP, SMTP, FTP, ICMP, IGMP, ARP, RTMP, UPnP, QoS, SSL/TLS, SNMP, IEEE 802.1X, Digest Authentication
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	HTTPS encryption, IP address filtering, Password protected user level

**Event**

Event Trigger	Intelligent event detection, Smart Motion Detection, Sound detection,
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**Integration**

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

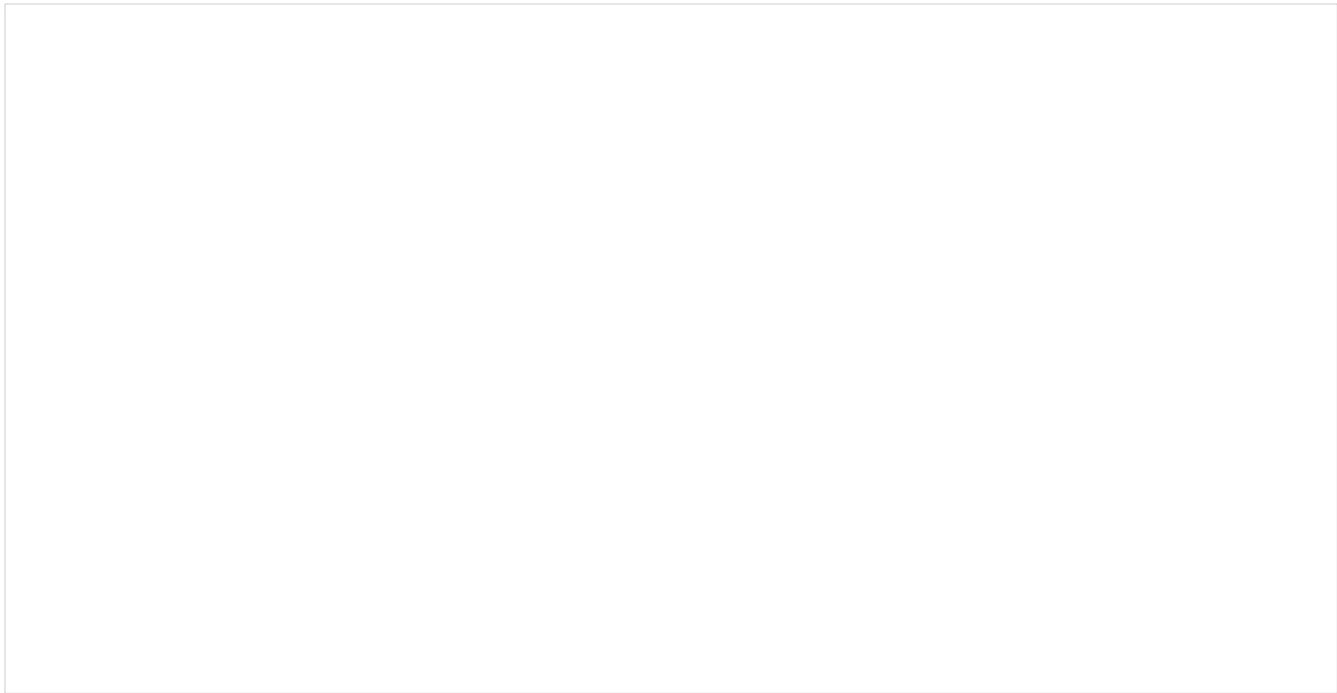
**Interface**

Operating Button	Reset Button
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**General**

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	5.6 W (PoE)
Weight	400g (0.88lb)
Dimensions	(L x W x H):190mm x 73mm x 71mm (7.5" x 2.9" x 2.8")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Starting Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Storage Temperature	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
Operating Humidity	≤95% RH, non-condensing
Surge Protection	4KV
Approvals	CE Class A, FCC Class A, IP68, IK10, UL Listed, RoHS
Color	White
Real-time Clock (RTC)	No
Warranty	2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ► Dimension Diagram



Unit: mm [inch]

## ► Related Products

### Mounting Accessories - Camera Mount

PMAX-0527	Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550), 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](http://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

### 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)
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