

Z318

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



- 8 Megapixel, f2.8mm, Fixed Bullet
- Deep Learning AI, LightGuard
- IR LED 50m, Extreme WDR (130 dB)
- Color Min. Illumination 0.005 lux
- Smart Motion Detection
- DORI (86.9 / 34.8 / 17.4 / 8.7m)
- 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 "
Effective Pixels	3872(H) X 2192(V)
Day / Night	Yes
Low Light Sensitivity	Extreme
LightGuard	Yes
Minimum Illumination	Color: 0.005 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

Lens	
Focal Length	Fixed focal, f2.8mm
Aperture	F1.6
Iris	Fixed iris
Horizontal Viewing Angle	98.7°
Vertical Viewing Angle	53.9°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

Video	
Compression	H.265, H.264, 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 352 x 288
Bit Rate	128Kbps - 16Mbps
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, Sharpness, Backlight compensation (BLC), Highlight compensation (HLC), Automatic gain control (AGC), Digital Noise Reduction, Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), People Detection, Vehicle Detection, Tampering Detection, People Line Crossing Detection, People Intrusion Detection

Analytics	
Deep Learning AI	1.0

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

Network	
Network Protocol & Service	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, DNS, DDNS, NTP, HTTP, HTTPS, HTTPS, FTP, SMTP, UPnP, SSL/TLS, QoS, SNMP
Ethernet Port	1 x Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, TLS v1.2 encrypted communication, Digest Authentication (HTTP/RTSP/ONVIF(WSSSE)), Password protected user level, Password Strength Indicator

Detection Range	
Observation Range	Detection: 86.9m Observation: 34.8m Recognition: 17.4m Identification: 8.7m

Event

Event Trigger	Video motion detection, Sound detection, Tampering detection, Intelligent event detection
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to storage, Save video to NAS storage via NFS

System

System Log	Support
------------	---------

Integration

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

Interface

Audio Interface	Built-in microphone
Operating Button	Reset Button

General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	6.9 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 3 years.
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Storage Temperature	-40 °C ~ 60 °C (-40 °F ~ 140 °F)
Operating Humidity	≤95% RH, non-condensing
Surge Protection	4KV
Approvals	CE Class A, FCC Class A, 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

▶ Related Products**Mounting Accessories - Camera Mount**

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)
-----------	--	--

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0108		8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)
PPSW-0109		8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-1107		24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch
PPSW-2105		4-Port 802.3at Smart Managed Gigabit PoE Switch
PPSW-3101		16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-3103		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3104		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3402		16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch
PPSW-4205		24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)