

# Z322

## 4MP ColorGuard Mini Bullet with D/N, Adaptive IR, White LED, Smart Dual Light, Superior WDR, SLLS, Fixed Lens



- 4 Megapixel
- ColorGuard
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Smart Dual Light with built-in IR and White LED
- Fixed Lens, f2.8mm/F1.6
- Superior WDR (120dB)
- Wide Angle

### ► 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: 0.01 lux at F1.6 (AGC on); B/W: 0 lux (IR LED on)
ColorGuard	Yes
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED (850 nm)
IR Working Distance	50m
White LED	Yes
White LED Working Distance	50m
Smart Dual Light	Yes

Electronic Shutter	1-1/100000 second (auto mode), 1-1/100000 second (manual mode, 50 Hz)
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	97°
Vertical Viewing Angle	52.2°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-90°, Rotation: 0°-360°

## Video

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 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 30 fps at 704 x 288 30 fps at 352 x 288
Multi-Streaming	Simultaneous dual streams
Wide Dynamic Range	Superior WDR (120 dB)
Image Enhancement	White Balance, Backlight compensation (BLC), Highlight compensation (HLC), Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection, Smart Intrusion Protection, People Detection, Vehicle Detection, Tampering Detection
Image Orientation	Flip, Mirror, Rotation (Corridor mode) (90°, 180°, 270°)

## 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, RTMP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, SNMP, SSL, QoS, TLS 1.2
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, Tampering detection, Sound detection
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## Integration

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

## Interface

Operating Button	No
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## General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	2.8 W (PoE)
Weight	240g (0.53lb)
Dimensions	(W x H x D): 66.1mm x 66.3mm x 161.4mm (2.6" x 2.6" x 6.3")
Environmental Casing	Weatherproof (IP67)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 2-3 years.
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating Humidity	≤95% RH, non-condensing
Surge Protection	4KV
Approvals	CE, FCC, IP67
Warranty	2 Year(s). For extended warranty offering, see <a href="http://www.acti.com/support/warranty">http://www.acti.com/support/warranty</a>

## ► Related Products

### Mounting Accessories - Camera Mount


PMAX-0527	 Pole Mount (for Z4x, Z710, Z8x, Z9x, A7x), 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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Illuminators - IR LED Illuminator

PLED-0210

