

Z324

4MP Deep Learning AI ColorGuard f2.8mm Fixed Bullet with White LED 40m, ColorVizion, WDR 135dB



- 4 Megapixel, f2.8mm Fixed Bullet
- Deep Learning AI, ColorGuard
- 1/1.8" Sensor, Aperture F1.0, Extreme WDR (135 dB)
- White LED 40m, Color Min. Illumination 0.0003 lux, ColorVizion
- Smart Motion Detection, Smart Intrusion Protection
- Weatherproof (IP67), Vandal proof (IK10), UL Listed
- Super wide angle
- Built-in Analytics

► Specifications

Product Profile

Product Type	Fixed Bullet
Application Environment	Outdoor
Maximum Resolution	4MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Day / Night	Yes
Low Light Sensitivity	Superior
ColorGuard	Yes
ColorVizion	Yes
Minimum Illumination	Color: 0.0003 lux at F1.0 (AGC on)
Mechanical IR Cut Filter	No
IR LED	No
White LED	Yes
White LED Working Distance	40m
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)

S/N Ratio	75 dB
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Lens

Focal Length	Fixed focal, f2.8mm
Aperture	F1.0
Iris	Fixed iris
Horizontal Viewing Angle	110.4°
Vertical Viewing Angle	60.5°
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 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 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	Extreme WDR (135 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode) (90°, 180°, 270°)
Image Enhancement	White Balance, Digital Noise Reduction, Backlight compensation (BLC), Highlight compensation (HLC), Defogging, Brightness, Contrast, Sharpness, Automatic gain control (AGC)
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection), Smart Intrusion Protection, People Detection, Vehicle Detection, Tampering Detection, People Line Crossing Detection, Vehicle Line Crossing Detection, Intrusion Detection (Forbidden Area Detection)

Analytics

Deep Learning AI	1.0
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Audio

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

Network

Network Protocol & Service	IPv4/v6, IGMP, ICMP, ARP, TCP, UDP, DHCP, PPPoE, RTP, RTSP, RTCP, DNS, DDNS, NTP, FTP, UPnP, HTTP, HTTPS, SMTP, IEEE 802.1X, SNMP, QoS, RTMP, SSL/TLS
Ethernet Port	1, Ethernet (10/100 Base-T), RJ-45 connector
Maximum User Connections	32
Security	HTTPS encryption, Password protected user level, IP address filtering

Event

Event Trigger	Video motion detection, Tampering detection, Sound detection, Intelligent event 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	PoE Class 3 (IEEE802.3af), DC 12V
Power Consumption	2.8 W (PoE)
Weight	480g (1.06lb)
Dimensions	(L x W x H):206mm x 73mm x 73mm (8.1" x 2.9" x 2.9")
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10)
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 B, FCC Class B, IP67, IK10, UL Listed
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-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 for more information.