

# Z54

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



- 4 Megapixel, f2.8mm Fixed Turret
- 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
- Event trigger, response and notification

### ► Specifications

#### Product Profile

Product Type	Fixed Turret
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
Focus	Fixed focus
Horizontal Viewing Angle	110.4°
Vertical Viewing Angle	60.5°
Viewing Angle Adjustment	Pan: 0°-360°, Tilt: 0°-75°, 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
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°)
Image Enhancement	White Balance, Backlight compensation (BLC), Highlight compensation (HLC), Defogging
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, IPv6, TCP, UDP, DHCP, PPPoE, 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
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to storage

## Integration

Edge Recording	Support (integration with NVR by ONVIF Profile G)
ONVIF Compliant	Yes, Profile S, Profile G, Profile T
Web Browser	IE 11, Google Chrome, Microsoft Edge, Firefox

## Interface







Operating Button	Reset Button
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## General

Power Source	DC 12V, PoE (IEEE802.3af)
Power Consumption	2.8 W (PoE)
Weight	480g (1.06lb)
Dimensions	(Ø x H): 118mm x 106mm (4.6" x 4.2")
Environmental Casing	Weatherproof (IP67), Vandal proof (IK10)
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 Class B, FCC Class B, IP67, IK10, UL Listed
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>

## ▶ Related Products

### Mounting Accessories - Camera Mount

PMAX-0128		Pendant Mount (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0134		Extension Tube, 200 mm (for Z5x, Z724, Z85, Z86, Z87, Z810, Z972, Q550)
PMAX-0349		Wall Mount with Built-in Junction Box (for Z71, Z72)
PMAX-0365		Wall Mount with Built-in Junction Box (for Y7x, Z5x, Z7x, Z91x)
PMAX-0527		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550), supports 2.64" to 5" Poles
PMAX-0532		Pole Mount (for Z5x, Z724, Z8x, Z9x, Z972, A7X, Q550), supports 2.6" to 5" Poles

PMAX-0538



PMAX-0727



Junction Box (for Z71, Z72)

**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

PPBX-0034



### 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)