

# Z64

## 8MP Deep Learning AI LightGuard 4.3x Outdoor Zoom Turret with IR LED 60m, White LED 40m, Smart Dual Light, WDR 130dB



- 8 Megapixel, 4.3x, Zoom Turret
- Deep Learning AI, LightGuard
- IR LED 60m, Extreme WDR (130 dB)
- White LED 40m, Smart Dual Light, Color Min. Illumination 0.002 lux
- Smart Motion Detection, Smart Intrusion Protection
- Counting
- DORI (81.0-405.0 / 32.4-162.0 / 16.2-81.0 / 8.1-40.5m)
- Weatherproof (IP68), Vandal proof (IK10), UL Listed

## Specifications

### Product Profile

Product Type	Zoom Turret
Application Environment	Outdoor
Maximum Resolution	8MP
Sensor Size	1/2.7 "
Day / Night	Yes
Low Light Sensitivity	Extreme
LightGuard	Yes
Minimum Illumination	Color: 0.002 lux at F1.4 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED
IR Working Distance	60m
White LED	3000K
White LED Working Distance	40m
Smart Dual Light	Yes. Default IR; White Light can be enabled through configuration.
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	Zoom, f2.8-12mm
Aperture	F1.4-F3.3
Zoom Ratio	4.3x optical zoom
Iris	Fixed iris
Focus	Auto focus
Horizontal Viewing Angle	111.5° - 34.4°
Vertical Viewing Angle	58.7° - 19.2° (Visual camera)
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.265, H.264 Adaptive Stream (equivalent to Zip or Smart Stream or H.264+), H.264, MJPEG
Maximum Frame Rate vs. Resolution	25 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 704 x 288 30 fps at 352 x 288
Bit Rate	128Kbps - 16Mbps
Multi-Streaming	Simultaneous triple 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, Automatic gain control (AGC), Backlight compensation (BLC)(*), Highlight compensation (HLC)(*), Defogging
Privacy Mask	supports up to 4 channels
Text Overlay	Yes
Built-in Analytics	Smart Motion Detection (People Detection, Vehicle Detection)), Smart Intrusion Protection (, People Line Crossing Detection, People Intrusion Detection, People Enter Area Detection, People Exit Area Detection, Vehicle Line Crossing Detection, Vehicle Intrusion Detection, Vehicle Enter Area Detection, Vehicle Exit Area Detection), Tampering Detection), People Flow Counting, People Density Counting

## Analytics

Deep Learning AI	2.0
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## Audio

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

## Network

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, IEEE 802.1X network access control

## Detection Range

Observation Range	Detection: 81.0m-405.0m Observation: 32.4m-162.0m Recognition: 16.2m-81.0m Identification: 8.1m-40.5m
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## Event

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

## Integration

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

## Interface




Operating Button	Reset Button
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## General

Power Source	12 V, PoE (IEEE802.3af)
Power Consumption	8 W (PoE)
Weight	690g (1.52lb)
Dimensions	(Ø x H): 129mm x 110mm (5.1" x 4.3")
Environmental Casing	Weatherproof (IP68), Vandal proof (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Operating 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, IP68, IK10, UL Listed
Color	White
Material	Metal
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-0366		Wall Mount with Built-in Junction Box (for Z9x, Z724, Z77, Z8x, Z972, A7X, Q550)

PMAX-0409



Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550, K3x, K5x, K7x)

PMAX-0532



Pole Mount (for Z5x, Z724, Z8x, Z9x, Z972, A7X, Q550), supports 2.6" to 5" Poles

PMAX-0538



Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550, K3x, K5x, K7x) , supports 2.64" to 5" Poles

PMAX-0736



Junction Box (for Z724, Z81, Z82, Z85, Z86, Z87, Z812, Z813, Z814, Z914, Z972, Q550)

**Note:** Some mounting accessories may need additional accessories for installation. Please check [www.acti.com/mountingselector](http://www.acti.com/mountingselector) for more information.