

# Z31

## 4MP Mini Bullet with D/N, Adaptive IR, Extreme WDR, SLLS, Fixed Lens



- 4 Megapixel
- Day & Night with Superior Low Light Sensitivity and Adaptive IR LED
- Fixed Lens with f3.6mm/F1.8
- Extreme WDR
- H.265 Compression
- Event trigger, response and notification

### ► Specifications

#### Device

Product Type	Mini Bullet
Maximum Resolution	4MP
Application Environment	Outdoor
Image Sensor	Progressive Scan CMOS
Sensor Size	1/3 "
Effective Pixels	2688(H) X 1520(V) (4.09 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.02 lux; B/W: 0 lux (IR LED on)
Color to B/W Switch	ISP based switch, configurable
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1150nm
IR LED	Adaptive IR LED x 15 (850 nm)
IR Working Distance	30m
Electronic Shutter	1/6-1/100000 second (manual mode); 1/6-1/100000 second (auto mode)
S/N Ratio	55 dB

## Lens

Focal Length	Fixed focal, f3.6mm
Aperture	F1.8
Iris	Fixed iris
Focus	Fixed focus
Lens Mount	Board mount
Horizontal Viewing Angle	76.8°
Vertical Viewing Angle	65.3°

## Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	20 fps at 2592 x 1520 25 fps at 2560 x 1440 30 fps at 2048 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 720 30 fps at 720 x 560 30 fps at 704 x 288 30 fps at 640 x 360 30 fps at 352 x 288
Multi-Streaming	Simultaneous triple streams based on three configurations
Wide Dynamic Range	Extreme WDR (120 dB)
Image Enhancement	Digital Image Stabilizer (DIS, EIS), Defogging
Digital Noise Reduction	2D + 3D DNR
Privacy Mask	8 configurable regions
Text Overlay	Yes
Built-in Analytics	Object Based Motion Detection, Tampering Detection
Image Orientation	Flip, Mirror, Rotation (Corridor mode)

## Network

Ethernet Port	1 x RJ-45 pigtail connector
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## Event

Event Trigger	Video motion detection, Sound detection, Tampering detection
Event Response	E-mail notification with snapshots, Upload snapshot to FTP server

## Integration

ONVIF Compliant	Yes, Profile S
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## General

Power Source	DC 12V, PoE Class 3 (IEEE802.3af)
Power Consumption	6.4 W (PoE)
Weight	450g (0.99lb)
Dimensions	(W x H x D): 63mm x 62.4mm x 157.3mm (2.5" x 2.5" x 6.2")
Environmental Casing	Weatherproof (IP67)
Bundled Accessories	Integrated bracket
Mount Type	Wall Mount, Ceiling Bracket
Operating Temperature	-35°C ~ 60°C (-31°F ~ 140°F)
Approvals	CE, FCC, EAC, IP67

Real-time Clock (RTC)	Yes
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-0526	 Pole Mount (for Z31, Z33, Z34, Z41, Z42)
PMAX-0714	 Junction box (for Z31)
PMAX-0724	 Junction Box (for Z33, Z34)

**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-0012	 Power Adapter AC 100~240V (US), for A3x, A4x, A88, A9x, Z31, Z8x, Z9x
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