Z411

4MP Deep Learning AI 22x Zoom Bullet with IR LED 250m, WDR 150dB

- 4 Megapixel, 22x, Zoom Bullet
- Deep Learning AI
- 1/1.8" Sensor, IR LED 250m, Extreme WDR (150 dB)
- Color Min. Illumination 0.001 lux
- Smart Intrusion Protection, Object Metadata
- Counting
- DORI (97.5-2145.0 / 39.0-858.0 / 19.5-429.0 / 9.8-214.5m)
- Weatherproof (IP68), Vandal proof (IK10), UL Listed

Specifications

Product Profile

Product Type	Zoom Bullet
Application Environment	Outdoor
Maximum Resolution	4MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Effective Pixels	2688(H) X 1520(V) (4 MP)
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.001 lux at F1.5 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED
IR Working Distance	250m
Color to B/W Switch	ISP based switch, configurable
Electronic Shutter	1-1/100000 second (manual mode); 1-1/100000 second (auto mode)
S/N Ratio	75 dB

Lens

Focal Length	Zoom, f6.5-143mm
Aperture	F1.5-F3.0
Zoom Ratio	22x optical zoom, digital zoom via NVR server
Zoom Application	Camera Installation
Iris	DC iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	61.3° - 3.4°
Vertical Viewing Angle	36.3° - 1.9°

Video

Compression	H.265 Adaptive Stream, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2688 x 1520 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
Multi-Streaming	Simultaneous triple streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (150 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode)(±90º, 180º)
Image Enhancement	White Balance, Backlight compensation (BLC), Defogging
Privacy Mask	4 configurable regions
Text Overlay	Yes
Built-in Analytics	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), Face Detection, Face Capture, People Flow Counting, People Density Counting, Tampering Detection, Missing Object Detection, Unattended Object Detection, License Plate Detection, Object Metadata

Analytics

Camera Object Metadata	Age, Gender, Glasses, Mask
Deep Learning AI	2.0

Audio

Audio Type	2-way, Line-in, Line-out
Audio Compression	G.711 u-law, G.711 A-law

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, QoS, SSL/TLS, IEEE 802.1X
Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 connector 1 x 100M/1000M, SFP connector
Maximum User Connections	32
Security	IP address filtering, HTTPS encryption, Password protected user level, Password Strength Indicator

Detection Range

Observation Range	Detection: 97.5m-2145.0m Observation: 39.0m-858.0m Recognition: 19.5m-429.0m Identification: 9.8m-214.5m

Event

Event Response	E-mail notification with snapshots, Upload snapshot to FTP server, Save video or snapshot to storage

System

Watchdog	Support
Language	English, Traditional Chinese, Japanese

Integration

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

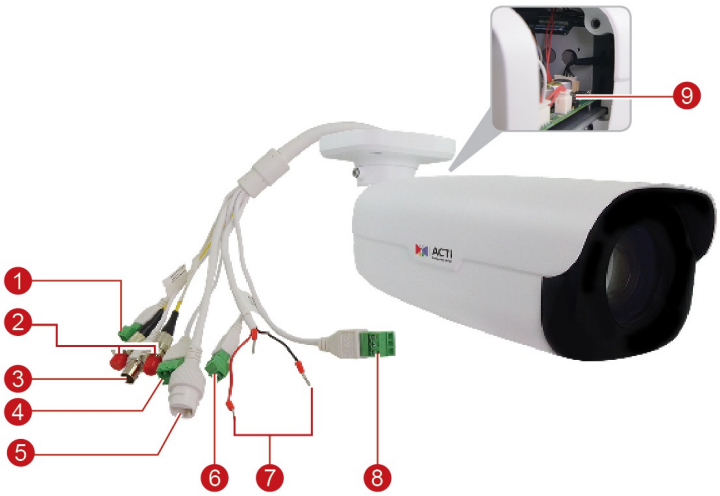
Interface

Serial Port	1 x RS-485
Analog Video Output	1 x BNC connector
Digital Input/Output	2/1 (Terminal block)
Operating Button	Reset Button

General

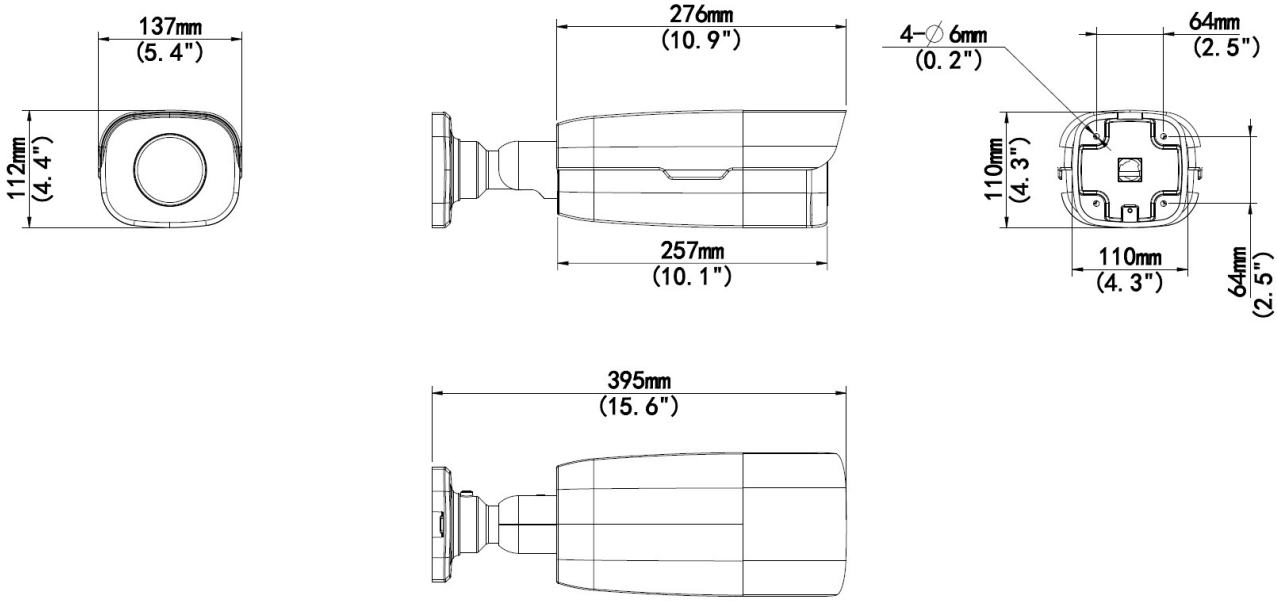
Power Source	AC 24V, High PoE (IEEE802.3at)
Power Consumption	16 W (PoE)
Weight	3770g (8.31lb)
Dimensions	(L x W x H): 395mm x 137mm x 112mm (15.6" x 5.4" x 4.4")
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Mount Type	Pole Mount
Heater	Yes
Operating Temperature	-40°C ~ 70°C (-40°F ~ 158°F)
Surge Protection	6KV
Approvals	CE Class B, FCC Class B, IP68, IK10 (metal casing), UL Listed
Color	White
Real-time Clock (RTC)	Yes
Warranty	2 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. Digital Output
2. Fiber connectors
3. Analog Video Output
4. Digital Input
5. Ethernet Port
6. Serial Port
7. AC24V Power Input
8. Audio Input / Output
9. Reset Button

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0409		Corner Mount (for A7x, Z714, Z724, Z8x, Z9x, Z972, Q550, K3x, K5x, K7x)
PMAX-0538		Pole Mount (for Z3x, Z4x, Z5x, Z724, Z8x, Z9x, Z972, A7x, Q550, K3x, K5x, K7x) , supports 2.64" to 5" Poles
PMAX-0731		Junction Box (for Z411)
PMAX-0737		

Note: Some mounting accessories may need additional accessories for installation. Please check www.acti.com/mountingselector for more information.

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)

Network & Storage Peripherals - Memory Card

PMMC-0400		SanDisk 128GB MicroSDXC Class 10 Memory Card (SDSQQNR-128G-GN6IA)
PMMC-0500		Kingston 256GB MicroSDXC Class 10 UHS-1 Memory Card (SDCS2/256Gb)

Network & Storage Peripherals - Data Switch

PPSW-0102		PLANET FGSD-1011HP 8-Port 802.3at PoE Switch (PoE Budget 120W)
PPSW-0108		8-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 120W)
PPSW-0109		8-Port 802.3at Smart Managed PoE Switch (PoE Budget 120W)
PPSW-1101		PLANET GS-4210-24PL4C 24-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 440W)
PPSW-1107		24-port 10/100/1000Mbps PoE, Smart Managed Gigabit Ethernet PoE Switch
PPSW-2105		4-Port 802.3at Smart Managed Gigabit PoE Switch
PPSW-3101		16-Port Gigabit 802.3at Managed PoE Switch (PoE Budget 240W)
PPSW-3103		16-Port 802.3at PoE Switch (PoE Budget 250W)

PPSW-3104		16-Port 802.3at Smart Managed PoE Switch (PoE Budget 250W)
PPSW-3402		16-Port 10/100/1000T 802.3bt PoE + 8-Port 10/100/1000T + 4-Port 10G SFP+ Managed Ethernet Switch
PPSW-4205		24-Port 10/100/1000T 802.3at PoE + 2-Port 100/1000X SFP Managed Switch (PoE Budget 300W)

Illuminators - IR LED Illuminator

PLED-0210		

Other Accessories - Camera Part

R707-X0016		Rubber-GX waterproof (for Z cameras) (5pcs/BOX)