A426

5MP Deep Learning AI 4.4x Zoom Bullet with IR LED 85m, WDR 135dB



- 5 Megapixel, 4.4x, Zoom Bullet
- Deep Learning AI
- IR LED 85m, Extreme WDR (135 dB)
- Color Min. Illumination 0.001 lux
- Smart Motion Detection, Smart Intrusion Protection, Object Metadata
- Face Recognition, Counting
- Automatic License Plate Recognition
- DORI (54-240 / 21.8-96.8 / 10.8-48 / 5.4-24m)
- Weatherproof (IP66), Vandal proof (IK10)

Specifications

Product Profile

Product Type	Zoom Bullet
Product Application	ALPR
Application Environment	Outdoor
Maximum Resolution	5MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/2.7 "
Effective Pixels	2688(H) X 1944(V) (5.23 MP)
Day / Night	Yes
Low Light Sensitivity	Superior
Minimum Illumination	Color: 0.001 lux; B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR Sensitivity Range	700-1100nm
IR LED	Adaptive IR LED x 8 (850 nm)
IR Working Distance	85m
Electronic Shutter	1-1/10000 second (manual mode); 1-1/10000 second (auto mode)

Horizontal Resolution (TV Lines)	1600 TVL
S/N Ratio	75 dB
Number of Traffic Lanes	1

Lens

Focal Length	Zoom, f2.7-12mm
Aperture	F1.6
Zoom Ratio	4.4x optical zoom, 10x digital zoom
Iris	P-Iris
Focus	Auto focus
Lens Mount	Board mount
Horizontal Viewing Angle	97.5° - 32.8°
Vertical Viewing Angle	72.1° - 24.4°
Viewing Angle Adjustment	Pan: 360°, Tilt: 90°, Rotation: 360°

Video

Compression	H.265, H.264, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2688 x 1944 30 fps at 2592 x 1944 30 fps at 2688 x 1512 30 fps at 1920 x 1080 30 fps at 1280 x 1024 30 fps at 1280 x 720 30 fps at 800 x 600 30 fps at 720 x 480 30 fps at 640 x 480 30 fps at 352 x 240 30 fps at 320 x 240
Bit Rate Mode	Constant, Variable
Multi-Streaming	Simultaneous quad streams
Digital Noise Reduction	2D + 3D DNR
Wide Dynamic Range	Extreme WDR (135 dB)
Image Orientation	Flip, Mirror, Rotation (Corridor mode) (90º, 180º, 270º)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness
Privacy Mask	Yes
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, Missing Object Detection, Unattended Object Detection, Crowd Detection, People Loitering Detection, People Flow Counting, People Density Counting, Vehicle Flow Counting, Vehicle Density Counting, Face Detection, Face Capture, Face Matching, Face Recognition, Object Metadata (, Age Detection, Gender Detection, Face Mask Detection, Vehicle Type Detection, Vehicle Driving Direction Detection), Stopped vehicle detection, Incorrect Direction Detection, License Plate Detection, Automatic License Plate Recognition

Analytics

Camera Object Metadata	Age, Gender, Mask, Vehicle type, Vehicle driving direction
Deep Learning AI	2.0

Audio

Audio Type	2-way, Stereo Line-in, Line-out
Audio Compression	G.711, G.726, AAC, PCM

Network

Network Protocol & Service	IPv4, IPv6, TCP, UDP, DHCP, PPPoE, HTTP, HTTPS, DDNS, NTP, RTP, RTSP, SMTP, FTP, IGMP, ICMP, ARP, UPnP, QoS, SNMP, IEEE 802.1X, SMB/CIFS (SAMBA)
Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 pigtail connector
Security	IP address filtering, HTTPS encryption, TLS 1.2 encrypted communication, Password protected user level, IEEE 802.1X network access control

Detection Range

Observation Range	Detection: 54m-240m Observation: 21.8m-96.8m Recognition: 10.8m-48m Identification: 5.4m-24m

Event

Event Trigger	Video motion detection, External device through digital input, Sound detection, Intelligent event detection
Event Response	E-mail notification with snapshots, Save video to storage, Upload snapshot to FTP server, Activate external device through digital output

System

Watchdog	Support

Integration

Unified Solution	Fully compatible with ACTi software
Edge Recording	Support (integration with NVR by ONVIF Profile G)
ONVIF Compliant	Profile S, Profile G, Profile T, Profile M
Web Browser	Microsoft Edge(IE mode), Microsoft Edge, Google Chrome, Firefox

Storage

User Database	User Capacity: 10,000 (up to 5 images per person)
Blocklist/Allowlist	People: up to 15000 records, Vehicle: up to 100000 records

Interface

Audio Interface	1/1, 3.5mm Phone Jack
Digital Input/Output	2/1 (Terminal block)
Operating Button	Reset Button

Installation

Vehicle Capture Speed	Front-Installation: 80 km/h Side-Installation: 60 km/h

General

Power Source	DC 12V, AC 24V, PoE Class 0 (IEEE802.3af)
Power Consumption	16.37 W (DC), 14.30 W (AC), 12.95 W (PoE)
Weight	824g (1.82lb)
Dimensions	(Ø x L): 92mm x 224.6mm (3.62" x 8.84")

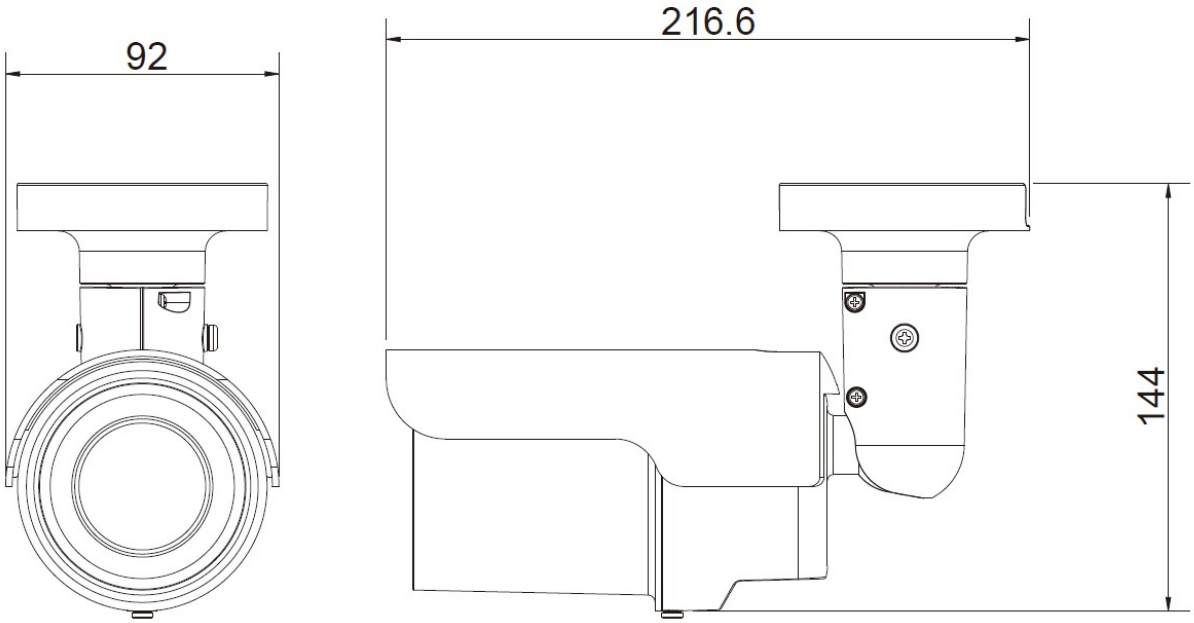
Environmental Casing	Weatherproof (IP66), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Mount Type	Pole Mount (More info: https://www.acti.com/mountingselector)
Heater	Yes
Starting Temperature	-55°C ~ 55°C (-67°F ~ 131°F)
Operating Temperature	-40°C ~ 60°C (-40°F ~ 140°F)
Operating Humidity	10% - 90% RH, non-condensing
Approvals	CE Class A, FCC Class A, IP66, IK10 (metal casing)
Color	White
Material	Plastic Metal
Real-time Clock (RTC)	Yes
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

Photo Indication



1. Power Input Connector
2. Audio Input
3. Audio Output
4. Digital Input / Output
5. Ethernet Port
6. Memory Card Slot
7. Reset Button

Dimension Diagram



Unit: mm [inch]

Related Products

Mounting Accessories - Camera Mount

PMAX-0534		Pole Mount with Junction Box (for Q450) supports 3.25" to 7.0" Poles
PMAX-0728		Junction Box (for Q450, A426)

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

Power Supply Accessories - Power Adapter

PPBX-0015		Power Adapter AC 100~240V (12V/2A Output), with universal connectors for R21CF-xx

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 - 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	

2026/10/15

- For product and mounting accessory information, visit: www.acti.com/products and www.acti.com/mountingselector
- All specifications are subject to change without notice.