

A431-P1

4MP 4.3x Zoom Bullet with IR LED 85m, WDR 150dB



- 4 Megapixel, 4.3x, Zoom Bullet
- 1/1.8" Sensor, IR LED 85m, Extreme WDR (150 dB)
- Color Min. Illumination 0.0005 lux
- Automatic License Plate Recognition
- DORI (56-240 / 22.6-96.8 / 11.2-48 / 5.6-24m)
- Weatherproof (IP68), Vandal proof (IK10)

► Specifications

Product Profile

Product Type	Zoom Bullet
Product Application	ALPR
Application Environment	Outdoor
Maximum Resolution	4MP
Image Sensor	Progressive Scan CMOS
Sensor Size	1/1.8 "
Day / Night	Yes
Low Light Sensitivity	Extreme
Minimum Illumination	Color: 0.0005 lux at F1.2 (AGC on); B/W: 0 lux (IR LED on)
Mechanical IR Cut Filter	Yes
IR LED	Adaptive IR LED x 3 (850 nm)
IR Working Distance	85m
Electronic Shutter	1/25-1/100000 second (manual mode); 1/25-1/100000 second (auto mode)
S/N Ratio	75 dB
Number of Traffic Lanes	3

Lens

Focal Length	Zoom, f2.8-12mm
Aperture	F1.38
Zoom Ratio	4.3x optical zoom
Iris	DC iris
Focus	Auto focus
Horizontal Viewing Angle	113.5° - 39°
Vertical Viewing Angle	58.4° - 22.7°

Video

Compression	H.265 Adaptive Stream, H.264 Adaptive Stream, MJPEG
Maximum Frame Rate vs. Resolution	30 fps at 2688 x 1520 30 fps at 1920 x 1080 30 fps at 1280 x 760 30 fps at 704 x 576 30 fps at 352 x 288
Wide Dynamic Range	Extreme WDR (150 dB)
Image Enhancement	White Balance, Brightness, Contrast, Sharpness, Saturation, Automatic gain control (AGC), Backlight compensation (BLC)
Built-in Analytics	Deep Learning : Automatic License Plate Recognition

Network

Ethernet Port	1 x Ethernet (10/100/1000 Base-T), RJ-45 connector
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Detection Range

Observation Range	Detection: 56m-240m Observation: 22.6m-96.8m Recognition: 11.2m-48m Identification: 5.6m-24m
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Interface

Digital Input/Output	1/1
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Installation

Vehicle Capture Speed	Front-Installation: 120 km/h Side-Installation: 120 km/h
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General

Power Source	DC 12V, DC 24V, PoE Type 2 Class 4 (IEEE802.3bt)
Power Consumption	15 W (PoE)
Environmental Casing	Weatherproof (IP68), Vandal proof metal casing (IK10)
Corrosion Protection	Optional for project request. Chassis corrosion resistance at the seashore approximately 3 years.
Heater	Yes
Approvals	CE Class A, FCC Class A, IP68, IK10 (metal casing)
Warranty	3 Year(s). For extended warranty offering, see http://www.acti.com/support/warranty

► Related Products

Mounting Accessories - Camera Mount

PMA-0545



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

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)