A431-P2

4MP 4.5x Zoom Bullet with IR LED 85m, WDR 150dB

- 4 Megapixel, 4.5x, Zoom Bullet
- 1/1.8" Sensor, IR LED 85m, Extreme WDR (150 dB)
- Color Min. Illumination 0.0005 lux
- Automatic License Plate Recognition
- DORI (220-1000 / 88.7-403.2 / 44-200 / 22-100m)
- 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, f11-50mm
Aperture	F1.7
Zoom Ratio	4.5x optical zoom
Iris	DC iris
Focus	Auto focus
Horizontal Viewing Angle	32.2° - 7.8°
Vertical Viewing Angle	18.1° - 4.4°

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

Detection Range

Observation Range	Detection: 220m-1000m Observation: 88.7m-403.2m Recognition: 44m-200m Identification: 22m-100m

Interface

Digital Input/Output	1/1

Installation

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

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

PMAX-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)

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