

Fixed Wide Lane ALPR Camera (P492)

FEATURES :

- On-board PIPS OCR engine
- 2048 X 720 pixels; color and IR cameras
- 44 High power LEDs
- Self trigger or external trigger mode
- Traffic Lane coverage of 13.6 ft (4m)
- Simultaneously captures and analyzes multiple license plates in the same field of view
- Single cable for power, Ethernet, serial, trigger, and streamed color video

BENEFITS :

- Superior customer service and accountability with a single vendor for both camera and OCR
- Integrated LED camera and on-board OCR reduces system design, integration, and installation costs
- High performance OCR improves accuracy and reduces operating costs
- Improved system redundancy in tolling applications with direct license number output from each individual camera

Fully integrated, web-enabled camera with added power for a wider field of view

OVERVIEW :

The newest member of the PIPS fixed ALPR camera family, the PIPS P492 camera is a self-illuminating, LED Infrared (IR) camera for high performance image processing, contained within a single water tight, sealed enclosure.

This fully embedded camera system helps customers reduce time and costs associated with their Automatic License Plate Recognition (ALPR) system design, integration, and installation. Developed in-house, PIPS embedded Optical Character Recognition (OCR) engine offers customers a single point of accountability.

Customers who value redundancy in their system will appreciate that P492's on-board OCR reads license plates directly, independent of network or back-end system availability or workload. Target applications for the PIPS P492 camera include: Tolling, High Occupancy Toll (HOT), Public Safety and Urban Congestion Zone Charging.





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The PIPS P492 camera captures both IR and color images to aid improved revenue collection capabilities in tolling applications. The PIPS P492 camera is designed to capture and analyze multiple license plates in the same field of view, and uses a multi-exposure technique, commonly referred to as “Triple flash” technology, to effectively suppress ambient light such as headlights and bright sunlight. This helps to reduce the image exposure differences caused by plate-to-plate quality variations. It is fully web-enabled and can be configured and monitored from a standard web browser, while the flexible interface allows external devices such as loop-based vehicle classification, laser, radar, weigh-in-motion, or ticketing systems, to trigger the camera.

SPECIFICATIONS

Dimensions (Lx WxH)	15.7" x 7.9" x 4.7" (39.9 cm x 20 cm x 11.9 cm) (including hood) 8.7" or 9.8" x 6.5" x 3.6" (22 cm or 16.5 cm or 9.1 cm) (dependent upon focal length of lens) (excluding hood)
Weight	5.62 lbs (2.5 kg) (including hood) 3.64 lbs (1.7 kg) (excluding hood)
Resolution	2048 x 720 pixels (IR and color channels)
Field of view	13.6 feet/4 meters
Frame rate	50 frames/second
Power consumption	40 Watts (typically) 36 to 48 Vdc
Operating system	Embedded Linux
Operating temperature	-40C to +60C
Enclosure	IP67
Illumination	Effective range: up to 60ft (18.2 m) Wavelength: 850 nm, 940 nm, 810 nm, 750 nm
Video output	Hardware MJPEG streaming of the video

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