LPR | License Plate Recognition

IPConfigure License Plate Recognition (LPR) delivers unprecedented accuracy in the most diverse conditions and is available as both a server-based and camera embedded application.

Exploiting machine vision plate localization and character recognition algorithms, the application supports license plates from many countries and subnational entities, including all 50 U.S. States. LPR captures stationary or moving vehicles at speeds up to 35 mph (55 kph) depending on the camera's angle and lighting conditions. License plates can be read on cars and motorcycles at a maximum distance of 120 feet (36 meters) and at angles up to 35 degrees horizontally or vertically. With the use of either an IR or white light LED illuminator, LPR supports both day and night conditions.

Captured plate data can be used for numerous applications including: parking enforcement, parking permit control, vehicle inventory, parking lot security and access control, stolen vehicle recovery, expired registration enforcement, city-wide surveillance, gas station drive-off prosecution, and more.

Server-based LPR

Developed for the US Government, LPR offers full-color megapixel results and provides users with highly accurate real-time license plate reads. LPR seamlessly integrates with IPConfigure Enterprise Surveillance Manager (ESM), providing a comprehensive surveillance solution.

Server-based LPR Configurations & Specifications

Supported Cameras	Axis ARTPEC-4 or better, Samsung SNB-6004	*Maximum Distance*	120ft or 36m
Supported Enclosure	Axis T92A10	*Maximum Angle*	35° or 0.61 rad
Medium Range Lens Recommendation	5-50mm Fujinon YV10x5HR4A-SA2L (10-50ft or 3-15m)	*Image Resolution*	1600 x 1200
Long Range Lens Recommendation	8-80 mm Fujinon DV10x8SR4A-SA1L (up to 120ft or 36m)	*Target Frame Rate*	up to 10 fps
Short to Medium Range IR Illuminator	Axis IR Illuminator T90B40 (up to 40ft or 12m)	*Lanes per Camera*	1
Long Range IR Illuminator	Raytec Raymax 200 (up to 70ft or 21m)	*Software Requirements*	ESM 5.4 or above
Maxiumum Speed	35 mph or 55 kph		

Key Features

Displays Capture Results in Real-time	Trigger System Events on LPR Match	Full Text Plate Search with Wildcards	Full Color Capture for Forensic Detail

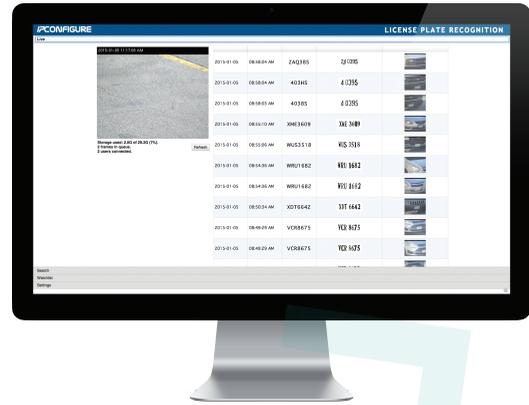*All specifications subject to change without notice.* *Rev. Q216*

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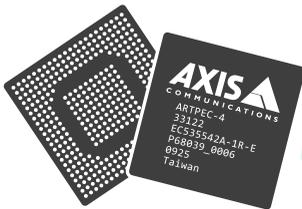
Color Imaging

IPConfigure LPR and eLPR leverage color images during day-time and support low light and night-time conditions using IR illumination. Color images can provide operators with additional forensic detail including the make, model, and color of the vehicle, and in some cases an image of the driver.

Watch List

A license plate watch list within LPR and eLPR flags matching plates from a user-defined list. When tags are detected they are compared against the watch list, from which I/O events or e-mail alerts can be triggered.

Embedded LPR

IPConfigure developed the first commercially available embedded License Plate Recognition application for IP cameras. Supporting Axis ACAP cameras equipped with ARTPEC-4 or better processors, eLPR is capable of independently detecting, reading, and recording license plates internally within the camera.

Embedded LPR Configurations & Specifications

Supported Cameras	Axis ARTPEC-4 or better	Maximum Distance	80ft or 24m
Supported Enclosure	Axis T93F20	Maximum Angle	35° or 0.61 rad
Medium Range Lens Recommendation	5-50mm Fujinon YV10x5HR4A-SA2L (10-50ft or 3-15m)	Image Resolution	640 x 480
Long Range Lens Recommendation*	8-80 mm Fujinon DV10x8SR4A-SA1L (up to 120ft or 36m)	Target Frame Rate	up to 10 fps
Short to Medium Range IR Illuminator	Axis IR Illuminator T90B40 (up to 40ft or 12m)	Lanes per Camera	1
Long Range IR Illuminator	Raytec Raymax 200 (up to 70ft or 21m)	Software Requirements	None (Standalone)
Maxiumum Speed	35 mph or 55 kph	Additional Requirements	Class 10 SDHC Flash Card

Key Features

Text Search with Wildcards

On-board Storage of Up to 250,000 Plates

API for 3rd Party Applications

Push Notifications

To learn more: 877-207-1112 or sales@ipconfigure.com