LeoALPR

Automatic Number Plate Recognition (ANPR)

LeoALPR *is an intelligent video analytics module for license plate recognition.* *LeoALPR* *works in a wide range of internal/external conditions and delivers industry leading recognition accuracy for Indian and international plates.*

LeoANPR provides a number of unprecedented advantages for users, including the ability to accurately capture license plate information up to 150 km/h and in all kinds of weather conditions, including, yet not limited to, light fog, rain, and snow. The advanced algorithms involved in the technology result in the type of pinpoint accuracy that distinguishes letters from numbers, for example, an "8" is not mistaken for a "B." This is a crucial advantage, particularly in emergency situations when one has only milliseconds to get it right.

LeoANPR integrates easily with third-party parking management or smart roadway systems, as well as legacy security equipment and external databases.

Technology Overview

Hardware-agnostic System
No specialized cameras or other hardware is required. System is hardware-agnostic.

Software Based Vehicle Detection
Built-in vehicle detection algorithms so sensors are not required to detect license plates.

Low- / High-Speed LPR Engines
Both Low-speed and High-speed options are available for greater flexibility.

Multi-lane Support
System can detect plates from multiple lanes with just one camera.

Advanced Recognition Engine
Template-based algorithms results in more accurate recognition.

International Plates Support
Recognizes license plates from India and most other countries.

Applications

- Education / campus security
- Law enforcement
- Automation of parking installations
- Parking enforcement
- Casino security
- Border customs control
- Safe-City surveillance
- Stolen / unregistered vehicles

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Key Features

High Speed Recognition
Capable of recognition at up to 150 km/h.

Smart Search
Partial / full plate / wildcard search against watchlist / external databases.

Advanced Search
Search results include snapshots of recognized plate, video sequence, and information of camera, time, date, location, and direction of vehicle pass.

Watchlists
Add plates to local watchlists (black, white, info), and set custom alarms for matches against the watchlists.

External DB Connectivity
Seamless connection to external databases.

System Automation
Provides advanced reaction capabilities and automatic operator notification based on LPR and/or comparison with information from a database/watchlist.

Reporting Tools
Quick report generation of captured vehicle(s): print frame and information regarding recognized license plate(s).

Direction Detection
Includes standard feature for vehicle direction detection.

Third-party Equipment Integration
Integrates with most third-party equipment and devices such as barriers, gates, and radar equipment.

IP Camera On-Edge Support
Camera embedded version available.

Specifications

ISS Platform Support	
Supported Operating Systems	Windows 7, 8, 8.1, 2008 R2, 2012 R2, (32/64 bit)
CamfyANPR version support	Premium Enterprise

Maximum Vehicle Speed	
Low-Speed version	10 km/h
High-Speed version	150 km/h

Supported Video and Image Formats	
IP	MJPEG, MPEG4, H.264, MxPEG
Image formats	JPEG, PNG, BMP

Additional Technical Data	
Minimal required resolution	640 x 480 (actual recommended resolution depends on state/country And other factors)
External databases supported	Any database with Windows ODBC drivers
System output	Recognition result Vehicle tracking timestamps License plate location in image Internal / External watchlist match Lane info (optional) Snapshot of whole frame / vehicle / plate (optional)

LeoALPR is a product based company that strives to bring intelligence to real-time experiences and solve complex problems using Artificial Intelligence
Contact Us:

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