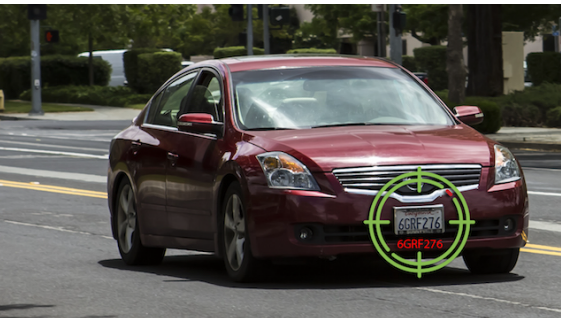


# LICENSE PLATE RECOGNIZER



## Overview

License Plate Recognizer is an intelligent and powerful License Plate detection, recognition and search solution. It has high accuracy and works with various camera types and archived video. License Plate Recognizer provides the following capabilities:

- Detect License Plates
- Recognize characters on License Plates
- Search for similar License Plates
- Search for similar plates across multiple cameras.
- Compare against Watch List database to detect any matches
- Real-time alerts on Plate matches.
- Detailed Reports.



## Benefits & Applications

- Object detection based on real time video processing
- Detect, Recognize and Search License Plates. Vehicle monitoring is a large part of outdoor security & surveillance and integrated traffic systems.
- Enables security professionals to shortlist, target, and identify “wanted” plates.
- Allows users to track vehicles across multiple cameras or locations to identify potential threats.
- Enables automated matching against a watch list with real time alerting
- Records and logs all License Plates at a scene, for forensic investigations.
- Improves security.
- Increases productivity and efficiency of security professionals.
- Easy to deploy with a wide variety of cameras
- High accuracy
- Ideal for Law Enforcement and Transportation, Airports, Ports, Critical infrastructure, nuclear facilities, Entertainment, Casinos and Gaming, Financial Institutions and Banks
- Urban and Public area monitoring

# LICENSE PLATE RECOGNIZER

## Features & Specifications

- Works with real-time live videos or files or images
- Video resolution: Minimum D1/VGA resolution; HD 720p or 1080 is recommended
- Frame-rate: 25-30 FPS (for good tracking). Minimum frame-rate: 15 FPS
- Image quality: LP image contrast should be high at different times of day, especially at night time. The image needs to have minimal noise at low light situations;
- Camera feature requirements:
  - Clear and non-blurred and non-interleaved images
- Autofocus
  - Varifocal zoom lens preferable (to make adjustments post-mounting)
  - Automatic White Balance/ Auto Gain Control
  - IR for night mode with high contrast of license plate images
  - Global shutter/De-interlacing capability
  - HDR/WDR.
- Camera positioning
  - Front view of a license plate, with minimum angle of LP deviation;
  - Stationary camera, mounted typically at 2-8 feet from ground
- Other Specification
- Angle formed by License Plate bottom line and the horizon line should be between 0-20 degrees;
- Current LPR engine works with alphanumeric chars A-Z and 0-9; For countries where native characters are present in License Plates, these may be shown as '\*';
- License plate size should be 10 - 70% of the image;
- Single or two-row LPs are supported
- The LPR works for USA, Canada, Mexico, Uk, Germany, Europe, China, Taiwan, Korea, Japan, India, latin america and other countries. This list is expanded in later versions;
- Input image should be clear, non-blurred, non-interleaved (can be achieved by using Progressive / Global shutter).
- Vehicle speed: Stop and go, or slow to moderate speed (5-30 mph). Special camera for High speed
- To avoid compression issues or degradation of the image, it is recommended that IntelliVision's LPR software be provided with the camera feed directly from the camera without going through any additional transcoding/processing.
- Watch list for plates
- Plate Search
- Available as software only or full solution
- Store events with plate images
- Various LPR models for different deployments: Gates, Entrance, Road side, Traffic lights, parking lots, Highway, tollway and mobile/law enforcement vehicles.
- API/SDK available for partners and Mfgrs
- Available as Web/Server Application, and through Cloud Interface
- Open architecture and easy integration of alerts via http/XML



## Platform & Hardware

Product is available in 3 platforms:

In Server / PC & Integration with other Systems

- Server, PC
- SDK/API and Web services, Rest API - are available for integration

Integrates with leading Cameras, VMS, NVR, DVR systems

- Open architecture and easy integration of alerts via http/XML
- Runs on Windows or Linux for server based deployment
- 1-16 cameras / PC based on CPU capacity.
- Standard Intel i3 / i5 / i7 and Xeon CPU
- Check for latest Server / PC HW Spec

### In Camera / Embedded

- Works with various camera platforms and popular leading chip sets
- Works in embedded platforms Linux and Android

### On Cloud

- Available as Web/Server Application, and through Cloud Web Services API Interface

## About IntelliVision

IntelliVision is a market leader in "Intelligent Video Analytics and Smart Camera solutions." IntelliVision provides video analytics solutions for several markets including: Smart Home/IOT, Security, Smart Retail Business, big data analytics and video search. Its products are used by Fortune 500 companies, the US Government, customers worldwide and many leading brands. IntelliVision is headquartered in San Jose, California with global offices in Asia and Europe.

IntelliVision  
6203 San Ignacio Avenue  
Suite #112  
San Jose, CA 95119  
Phone: 408-754-1690  
Fax: 408-865-7887  
Email: [info@intelli-vision.com](mailto:info@intelli-vision.com)  
Sales: [sales@intelli-vision.com](mailto:sales@intelli-vision.com)  
Support: [support@intelli-vision.com](mailto:support@intelli-vision.com)