



# SECUROS AUTO

License Plate Recognition (LPR/ANPR)



*SecurOS AUTO is an intelligent video analytics module for the SecurOS Premium and Enterprise video management platforms, which provides license plate recognition and comparative analysis for all types of vehicles. SecurOS AUTO works in a wide range of internal/external conditions and delivers industry leading recognition accuracy for US and international plates.*

*SecurOS AUTO provides a number of unprecedented advantages for users, including the ability to accurately capture license plate information up to 130 mph (210 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. SecurOS AUTO integrates easily with third-party parking management or smart roadway systems, as well as legacy security equipment and external databases.*



SECUROS  
PREMIUM



SECUROS  
ENTERPRISE

Compatible with ISS SecurOS  
Premium and Enterprise



[www.isscctv.com](http://www.isscctv.com)

## 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.

### ISS Native Technology

SecurOS Auto is a completely ISS native technology with frequent updates for new 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 US and most other countries.

### Fixed / Mobile Versions

Fixed (on stationary structures) and Mobile (on/in vehicles) versions available.

### Integrated with SecurOS VMS

Seamlessly works with SecurOS VMS as well as other SecurOS Analytics modules.

## Applications

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



## License Plate Recognition (LPR/ANPR)

### Key Features

#### High Speed Recognition

Capable of recognition at up to 130 mph (210 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 (SecurOS EdgeAuto).

#### SDK Support

SDK available for integration with third-party applications.

### Specifications

ISS Platform Support	
Supported Operating Systems	Windows 7, 8, 8.1, 2008 R2, 2012 R2, (32/64 bit)
SecurOS VMS version support	SecurOS Premium SecurOS Enterprise
Maximum Vehicle Speed	
Low-Speed version	25 mph (40 km/h)
High-Speed version	130 mph (210 km/h)
Supported Video and Image Formats	
IP	MJPEG, MPEG4, H.264, MxPEG
Analog	NTSC, PAL
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	Camera name / ID Recognition result Vehicle tracking timestamps Quality of recognition result License plate country / state Vehicle direction License plate location in image Internal / External watchlist match Vehicle speed (optional) Lane info (optional) Snapshot of whole frame / vehicle / plate (optional)

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