

SEE CAR

Product Line

SEE TRAFFIC

High-Speed Traffic Multi-Lane LPR System



SeeTraffic is a sophisticated vision-based

License Plate Recognition system that identifies and tracks number plates on vehicles travelling at low to high speeds. The system can integrate multiple traffic lanes on a single standard PC system.

The SeeTraffic application can run as an independent system or as a background application, reporting the recognition results to the user's client application for further processing.

SeeTraffic system is a PC-Based vehicle license plate recognition and processing system, specially designed for high-speed traffic applications. The SeeTraffic system includes both hardware and software. This system is based on the SeeCarDLL Vehicle License Plate Recognition (LPR) software engine and the SeeTraffic Windows application. The system can support multiple traffic lanes in each system, and single or double cameras per lane.

SeeTrafficHead camera/illumination units can be mounted on road bridges or other above-lane structures, as well as at roadside fixed or mobile temporary installations.

The system may also include a special software-trigger (for single lane configurations) which eliminates the need for external triggering mechanisms such as loop detectors or laser sensors.

The client interface program is supplied in source code to enable client customization for a wide range of specific applications. The application has configurable settings for versatile application configurations, including option to recompile the man-machine interface resources for language adaptations.

This system can be used for traffic surveillance and monitoring or for trapping vehicles by matching the vehicle plate number to a dynamic database, for cases such as stolen or suspicious vehicles.

Typical Applications: Traffic surveillance, traffic enforcement systems, average-speed calculations, car-trapping, security and toll-road installations

Features:

- Image Capture: Capture and illumination profiles are optimized for each event
- Identification: analyzes the images, detects the plate, recognizes the plate number, and verifies the results.
- Dynamic data base vehicle list matching and / or management
- Images: can save images of vehicle; images are stored as BMP or compressed JPG files
- Display: displays last "best" image per lane, lists a history of recognition results and system status
- Interface: reports results using inter-application DDE messages for logging and further processing
- Communication: a flexible formatted string that can be transmitted on RS232 for serial interface

Performance (typical):

- Recognition speed - 2-3 vehicles per second
- Vehicle traffic speeds: up to 160 KMH (100 MPH)
- Field of view with standard lens - lane width 2.5 meters (European type plates) or 1.7 meters (USA plate)
- Field of view can be extended with double cameras per lane
- Number of lanes per system: 1-4
- Maximum distance between camera unit and PC station: 75 meters
- Continuous operation, day and night, including adverse weather conditions

Typical SeeTraffic Configuration

