TDS
TRANSPORT DATA SYSTEMS

LICENSE PLATE RECOGNITION

PLATE REVIEW

PLATE # : KMK86F

STATE: NJ

SAVE RECORD

NEXT IMAGE

PREVIOUS IMAGE

FEATURES

Specialized algorithm rapidly locates license plate.

Character recognition automatically adjusts for variances between plate formats.

Robust analysis compensates for variances in camera positions and lighting levels.

Open systems approach

- Unix operating system
- ODBC compliant database
- TCP/IP
- Currently Red Hat Linux but will port to other Unix platforms (eg HP, Sun, Alpha)

Image Data

- Supports JPEG, TIFF, BMP, PNM formats.
- Recommended JPEG compression ratio 12:1.
- Recommended character height - 12 pixels.

BENEFITS

Major improvements in Violation Processing

- Reduction in manual errors
- Reduced employee fatigue
- Reduced workforce
- Reduced number of workstations
- Equals cost savings

Remote operations via Intranet/Internet allows flexible staffing policies

Integrates seamlessly with TDS violation enforcement systems

APPLICATIONS

Violation Processing Center

Parking Lot Security

Parking Lot Inventory System

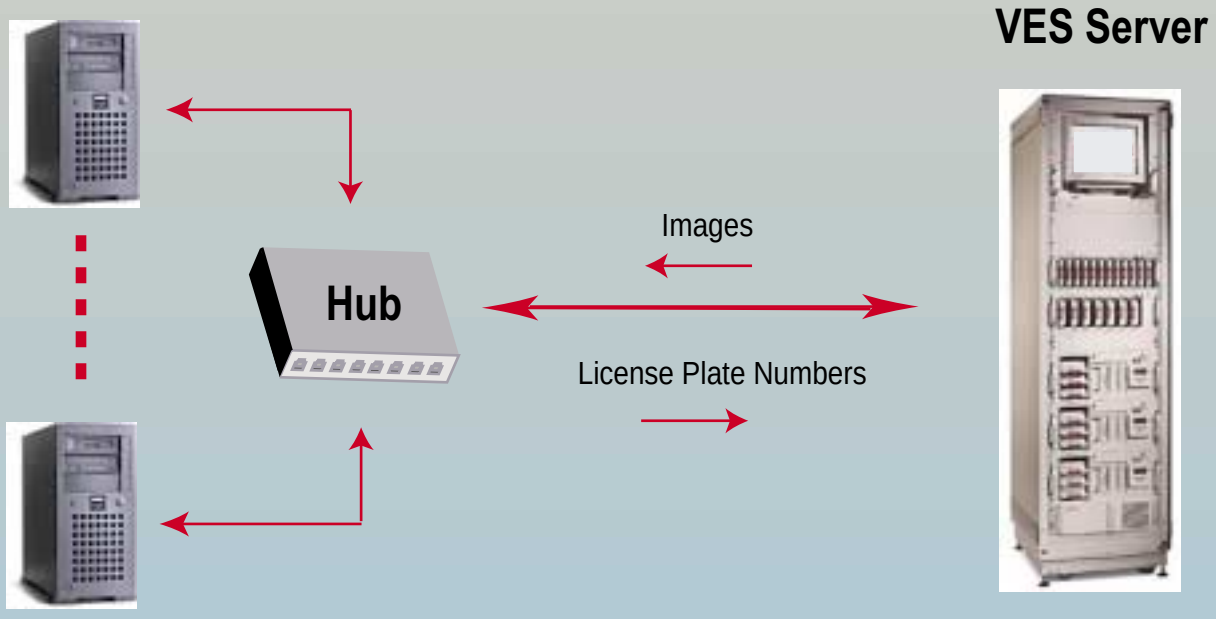
License Plate Recognition

Security Access Control for gated communities

LICENSE PLATE RECOGNTION IMPLEMENTATION

Violation Processing Center

LPR Server (s)



The Transport Data Systems License Plate Recognition (LPR) System provides a quick and efficient method for obtaining a machine readable license number from a high resolution image of the front or rear of a vehicle.

The LPR is a standalone application that runs under the Linux operating system.

In a typical operation the LPR server processes the images from a specified input directory, performs the LPR function, and places the resulting ASCII file with the license number in a specified output directory. The flexible design allows performance increases to be achieved through the addition of multiple servers, CPUs, et cetera.

The LPR application can also be used in a real time system to provide license plate numbers for entry into a license plate database. This is useful in situations where the license plates of vehicles entering a parking lot must be immediately available for further processing upon vehicle exit.

The accuracy of the LPR process is directly related to the pixel density of the image and the noise characteristics of the camera. The system works well with the 1.3 megapixel camera system that is provided by TDS as part of its image capture system.

Please contact Transport Data Systems for more information.

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