TDS
TRANSPORT DATA SYSTEMS

AUTOMATIC ACCESS CONTROL SYSTEM

FEATURES

Access control based on the license plate eliminates requirement for guards or entry cards.

Transaction Accuracy > 98% on average.

Image storage and retrieval for remote manual validation and access history.

Strobe IR camera system for 24 hour operation without visible lighting.

Automatic detection of vehicle using license plate recognition eliminates need for external trigger, e.g. loops.

Real time adaptive camera control allows reliable 24/7 operations for all lighting/seasonal variations.

Stores up to 10,000 transactions in the event of loss of server communications.

Ruggedized for anti-vandalism and anti-theft of equipment.

Back office database/client software provided for report generation and database maintenance.

BENEFITS

Highly reliable access control and inventory system.

Low operational cost

Eliminate need for entry cards

Provide historical knowledge of entry.

Eliminate problems with lost/stolen cards

Central database for multiple entry/exit locations.

Low power requirements.

Simple and easy to install.

Year round performance with no tuning required.

Can interface to fingerprint recognition systems or smart card systems for additional security

USES

* Private Parking Lots
* Restricted Access Facilities
* Hotels

Single Lane Entry Control

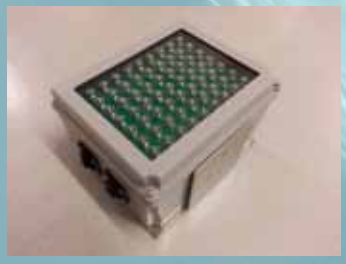
Transport Data Systems Access Control is a stand-alone, single-lane, license plate based vehicle access control system. It is designed to control and monitor vehicle access into a controlled parking facility.

As a vehicle approaches the entry gate, its license plate is read and compared to a list of valid license plates for that facility. If a matching plate (authorized) is found, the gate is opened to grant access to the vehicle. If a license plate cannot be read, or if no matching plate is found in the database (including authorized license plates and temporary guests), the system will signal an alarm to a remote location where an authorized person may manually open the gate. An alarm can be triggered when a transaction remains incomplete. All transaction information, including images and license plates, are stored in the local database for later review. Exit from the parking facility is via a one-way exit barrier.

Authorized users can access and modify the database using a PC connected to the admittance control device via a direct Ethernet connection, an RS-422 connection or an internet connection. A second camera and gate can be added to the system for control of two adjacent entry lanes.

Illumination

The TDS parking lot system is supplied with low power, high intensity strobed LED illumination in the near IR bands. The use of a LED based illuminator provides a low power highly reliable source of directed illumination. TDS developed these illuminators specifically for use with their image capture systems.



Triggering

The camera system has a built in triggering capability to sense the presence of the vehicle and trigger the image capture process. This eliminates the need for an external trigger sensor.

Multiple Entry/Exit Lanes

In order to accommodate multiple entry and/or exit lanes, authorized vehicle numbers are stored in the master control system database on a central server. Authorized users can access and modify the master control system database using a PC client application via an Ethernet connection. The system can also transmit the recognized plate number, the vehicle image and the entry/exit time to a master control system.

Central Processor

A central processor controls the operation of the system. It will accommodated multiple entry and exit lanes. A database can be implemented for hot list and transaction storage accessible via a web page interface.

Multiple Facilities

The system is very scalable. Once a centralized server has been implemented, additional parking facilities can be easily added to the system.

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