



INEX/ZAMIR - ViconNet License Plate Recognition System



Integrated ViconNet/License Plate Recognition System Technology Provides a Whole New Level of Functionality

- Integrated system combines INEX/ZAMIR License Plate Recognition System with ViconNet Video Event Management System
- Ideal solution for parking lots and garages, toll ways and vehicle tracking
- Completely automated and event driven
- Integrates license plate captures with linked ViconNet live and recorded video
- Built-in query tool can be used to create on-the-fly database queries
- Event thumbnails provide a fast and easy way to locate video linked to a license plate "read"

Vicon® and INEX/ZAMIR have joined forces to create a powerful, integrated License Plate Recognition (LPR) system that is linked to the ViconNet® Video Management System for a complete monitoring and surveillance system. The INEX/ZAMIR system is a professional LPR solution for capturing, processing and tagging license plates. It maintains a database of captured plates and provides the means to compare captured plates against pre-existing lists in order to classify each plate read.

Communication between the LPR system and ViconNet is accomplished over the network using

TCP/IP protocol. Technology developed by INEX/ZAMIR allows special cameras on the network to read license plates, convert the information to digital data, and then transmit the data to the ViconNet system. Corresponding ViconNet cameras, positioned to view the vehicles from which the license plate data was captured, are then able to provide additional video of the vehicle from a broader surveillance perspective.

The video and license plate data are automatically linked to ViconNet's Video Event Management System, where they are stored along with the related ViconNet video. Event thumbnail images of

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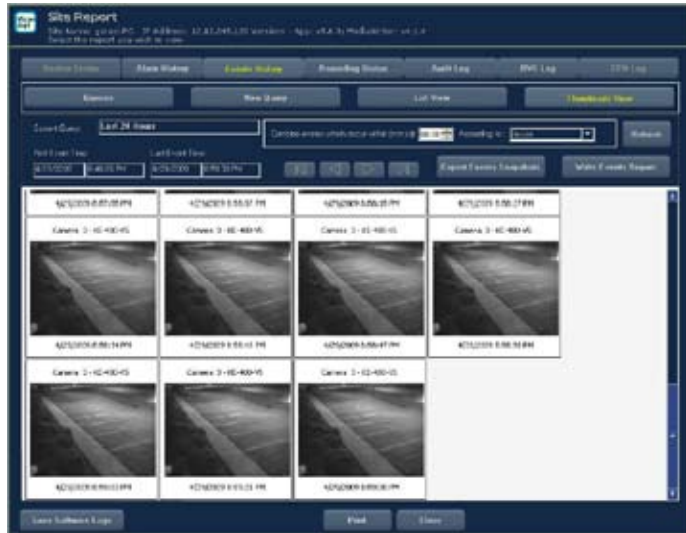
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the license plates and corresponding video may be called up for viewing and review. By compiling complete case data for each read, the integrated system provides operators with the ability to retrieve and view comprehensive video evidence in cases that require investigation.

Operators have the ability to generate “white lists” and “black



Event Thumbnails

lists” of plate numbers thereby classifying certain reads to auto-mate events, such as alarms based upon a vehicle’s status.

Installation Example

To demonstrate how an integrated system would work, the following describes a theoretical installation and provides three examples of how the system might be used:

A three-lane garage entryway is covered by Inex/Zamir LPR cameras. The cameras are positioned to read the license plate of the car stopped at the entry gate. The LPR system is connected to the gate system, allowing the gate to automatically open for authorized vehicles.

ViconNet cameras are positioned to cover each lane, providing video of the gate approach as well as a view through the car’s front window to show the driver. As plates are read and logged by the LPR system, the events are also stored in the ViconNet system and corresponding ViconNet video is linked to each event.

Scenario 1: Authorized Car Approaches

License plate is read and gate opens to allow car to enter.

Scenario 2: Unauthorized Car Approaches

The LPR system identifies the plate as “Black Listed” and the gate remains closed. The ViconNet system is triggered by the “Black List” tag from the LPR system. ViconNet begins to display and record a live video feed from the LPR cameras and from the ViconNet cameras that cover the area and look into the car.

Scenario 3: An Accident Occurs in the Garage

A witness to the accident can partially recall the plate number of the car that caused it. The plate can be found both within the LPR system and within the ViconNet event management database. With a few clicks of the mouse, related video can be reviewed, providing the vehicle’s make, model and possibly the identity of the driver.



Event Popup