ITV-3000

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practical innovation

Video Based Toll Collection Auditing System (VAS)

The ITV-3000 Video Audit Subsystem is an essential tool for audit, operations, security, and management personnel. It is easy-to-use and helps maintain productivity, reduce fraud, identify training problems, document incidents, and improve the overall "bottom-line".

Since all lane activity is recorded 24 hours a day, 7 days a week, you can now perform "after-the-fact" transaction analysis and investigations--using pre-recorded digital video of toll lane activity with simultaneous playback of the associated transaction and event data.

The system employs advanced, *patented* technologies for managing, storing, and presenting synchronized full-motion video with real-time toll lane generated data.

Since the data from both transactions and "events" (i.e., individual treadle activations, toll collector keypresses, ETC tag reads, gate activations) are replayed synchronously, you can quickly search for anomalous transactions, play them forward and backward in slow motion or high speed and ultimately understand the "hidden details" that caused the anomaly or incident.

All of the analysis is performed right on your desktop PC. You even monitor "live", real-time lane video and data also!

The Transaction Search Screen allows the viewer to select transactions for review.

The data can reside on any networked server running Oracle, Informix, SQL Server, MySQL, DB2, etc.

Viewers can search for individual toll transactions by any combination of date/time plaza, lane, collector ID, ETC tag number, vehicle class, number of axles, violation type, etc.
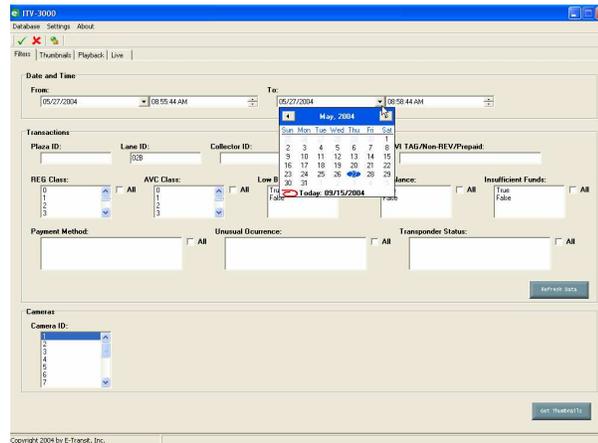
Typical Transaction Search Screen

A single image from each selected transaction is then displayed on the Thumbnail Display Screen. In many cases, all of the visual information necessary to verify the source of a transaction anomaly is contained in one image, thus reducing the time required to view transactions.

A summary of the transaction is presented in the bottom text window. Clicking on one of the thumbnail images brings up the Video Audit Screen, which provides the viewer with a full-motion video/data recording of the entire trans-
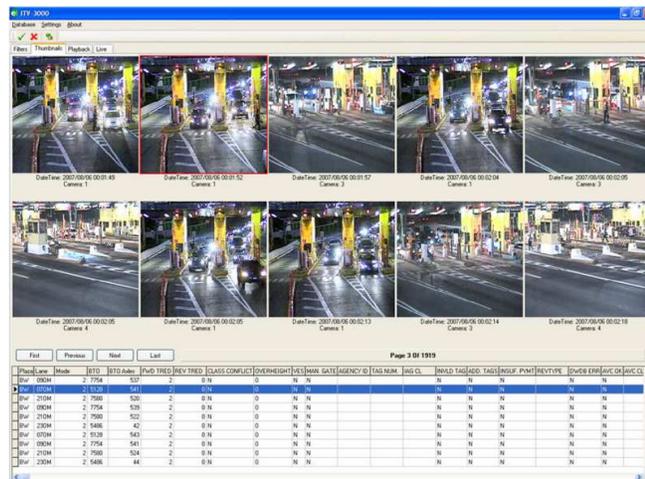
Thumbnail Display Screen

The Video/Event Screen lets the viewer see exactly what happened in the lane or booth during any selected transaction. They can even see what occurred before and after the selected transaction.

Motion video of the transaction is replayed along with the data from treadles, loops, lane controllers, ETC readers, toll terminals, etc. The video and event messages move together as one--synchronously and in real-time.
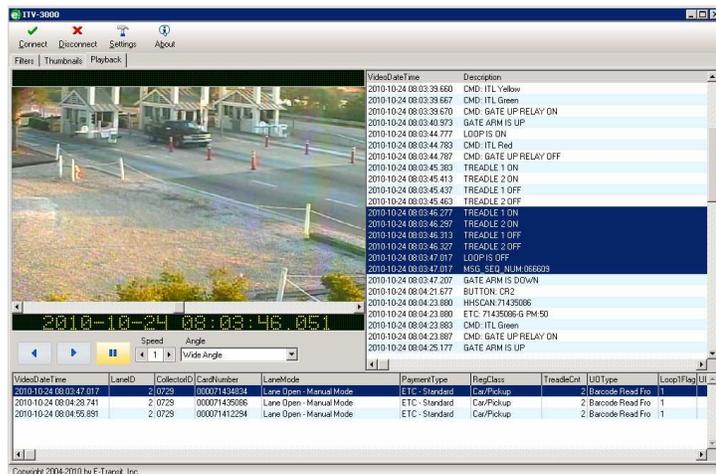
Video Audit Screen

E-Transit provides innovative solutions for toll collection and transportation agencies, transit systems, retailers, ports and customs agencies, and more. For more information, contact us at:

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