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Classification/License Plate Capture

FEATURES

- Integrated AVC/LPR in a single processor.
- Full featured Automatic Vehicle Classification (AVC).
- Fully digital License Plate Capture (LPR) system.
- Highly accurate LPR image capture triggering from radar/profiler inputs.
- Combined RS-232/Ethernet user interface
 - Ethernet or RS-232
 - Curtain Penetration Message to Lane Controller
 - Class Message to Lane Controller
 - Lane Exit Message
 - Violation Save Message from Lane Controller
- Ethernet
 - Violation Images to Violation Processing System
- Applications can also reside on Lane Controller with Windows or Linux operating systems as well as real time operations systems.
 - Saves precious booth space
 - Optimizes image capture with precise triggering

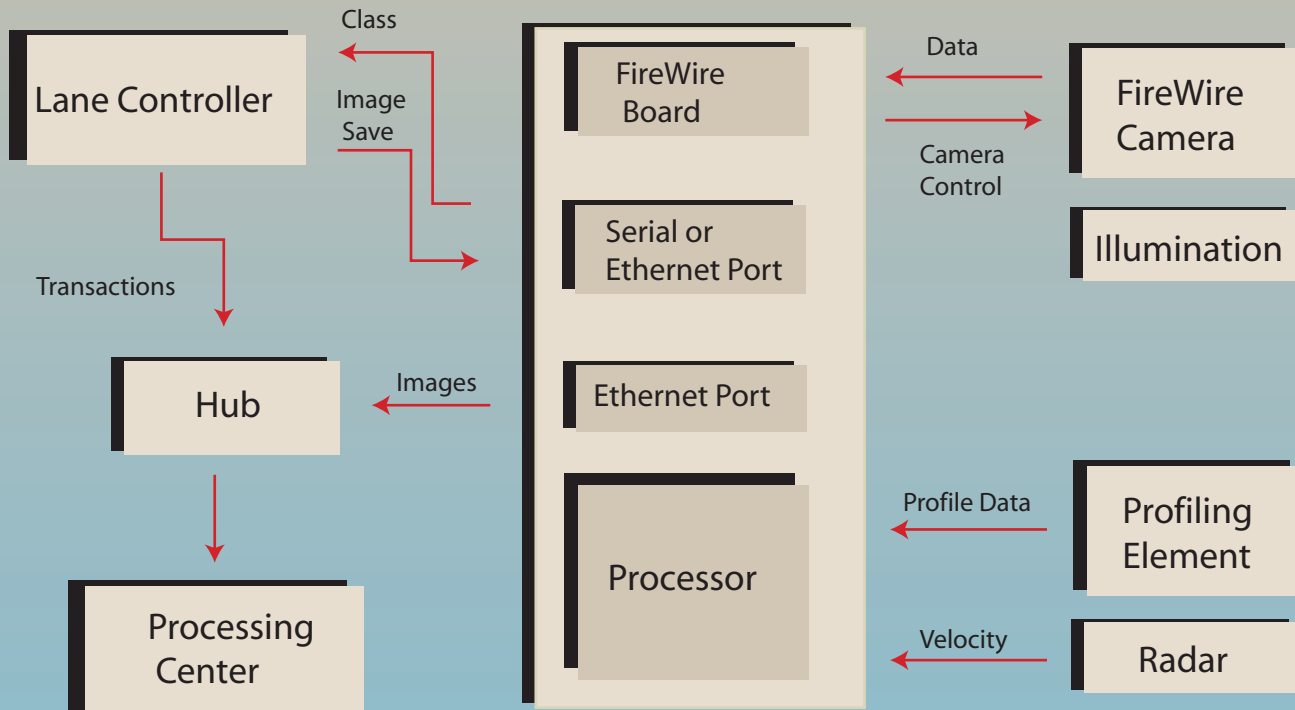
BENEFITS

- Eliminates the AVC/LPR risk for the System Integrator
- Tightly couples the AVC and LPR subsystems into the lane solution.
- Saves the cost of an additional processor.
- Increases the overall system reliability

USES

- Enforcement/Audit/Separation
 - Fare Collection Enforcement
 - Parking Lot Enforcement
 - HOV Lane Enforcement
 - Border Crossing Enforcement

CLASSIFICATION/LICENSE PLATE CAPTURE SYSTEM

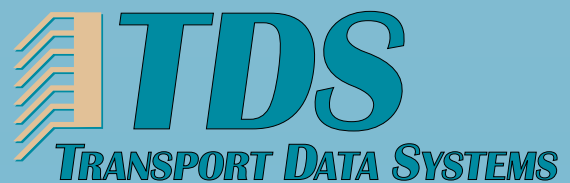


The Transport Data Systems combined AVC/LPR solution provides the ETC system integrator with the two key lane systems required for good fare collection performance in a single integrated package. With a combination of a profiling sensor and a radar, the AVC provides good AVC performance as well as tracking the position of the vehicle as it transits the lane. This provides the lane controller with the ability to accurately separate vehicles and allows for very accurate triggering of the license plate camera. The license plate capture system uses a fully digital, high resolution, area scan FireWire camera to provide good image resolution over a large capture area. The FireWire interface board resides in a PCI slot in the processor. Multiple cameras can be accommodated with a single FireWire interface board.

The AVC system can readily add treadles and dual tire detectors in the event these are required. The entire system can be located in a single PC or inside the Lane Controller. Both systems run under the Linux and Windows operating

systems and could be easily ported to other Unix based real time operating systems like QNX or VX-Works.

Over 500 of the combined systems are in service today. Please contact Transport Data Systems for more information on the individual systems.



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