

# Custom Hybrid Systems



*If you have a unique requirement for a system that combines vehicle profiling and/or classification and image capture (driver, license plate, container number, chassis number), TDS can readily configure a system from their existing set of system and subsystem designs.*

## Years of Custom Design Experience Meeting Unique Customer Design Requirements

Transport Data Systems has been doing sensor integration projects for the last 15 years. Over that period they have refined their knowledge of vehicle profiling with scanners and light curtains and have extended their image capture and optical character recognition systems to include license plates, container and USDOT numbers. This technology has been used in the latest TDS designs for speed enforcement (SpeedNabber) and for bus stop arm systems (ArmGard). This technology has been fielded in such diverse applications as classifying vehicles by length at a tunnel in Iceland to profiling of vehicles at a border location in Afghanistan. Today they are involved in the development of a system for the US Department of Transportation that will be used to monitor the flow of trucks into parking areas along the US freeway system. The recent experience with the development of the ArmGard product has included significant video processing and the development of a complete web based back office enforcement system.

All of this experience has given TDS a full complement of sensor integration, image capture and character recognition, and video manipulation software, as well as web based back office processing to help them meet your unique system requirements.



## Experience

- Laser Scanner, Light Curtain and IR Scanner Profile Generation using Doppler Radar.
- Vehicle Separation and Tracking
- High Speed Image Capture
- Optical Character Recognition of License Plates, Container and USDOT Numbers.
- UVIScan Under Vehicle Scanner
- Fixed, Mobile and Portable Platforms
- Web Site and Database Applications

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