Wrong Way Vehicle Detection

Detect the Vehicle, Warn the Driver, Confirm Main TDS Roadway Entry and Alert Law Enforcement for Vehicles Entering a Roadway via an Exit Ramp

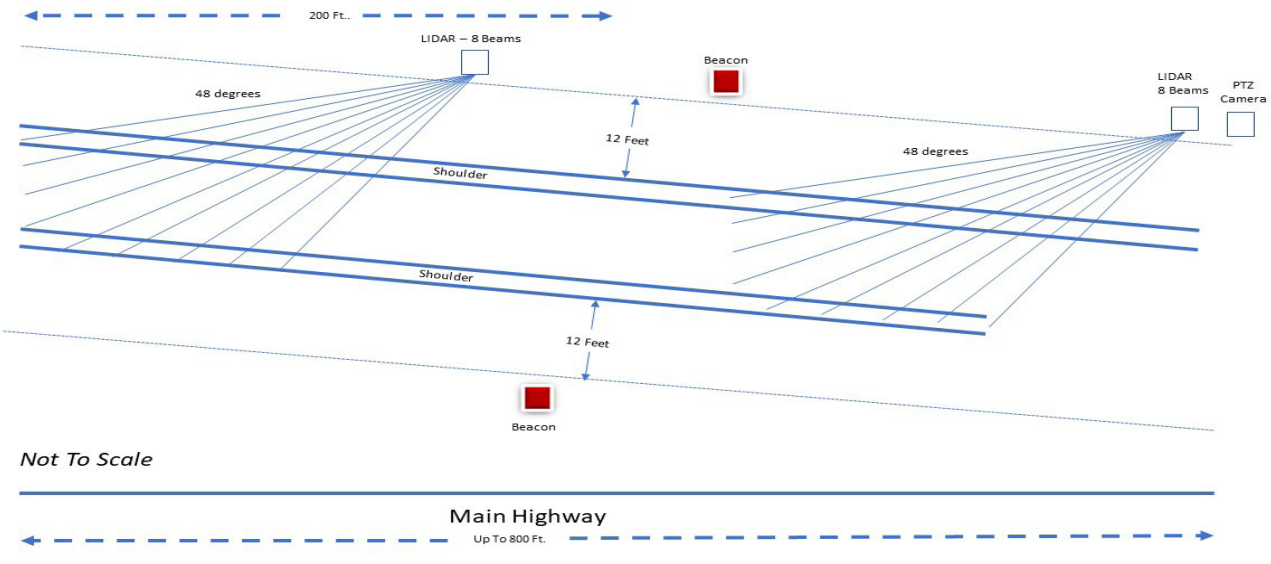
The TDS design for the detection of wrong way vehicles on roadway exit ramps makes use of the latest in detection and display equipment. The system provides for detection of wrong way vehicles, warning to the vehicle, confirmation that the vehicle entered the roadway and alarm transmission to multiple law enforcement agencies. The system controllers are Intel based and can be programmed to meet a variety of sensor and display equipment. The basic system as offered by TDS uses LIDAR sensors and a PTZ camera to detect, confirm and record the vehicles. TDS can supply an audio alarm (horn/klaxon/siren) to assist in the warning process. The system can be expanded to cover multiple lanes.

TDS can provide a variety of beacons and signs to meet unique customer warning requirements. We can use your standard signage and beacons if you wish.

TDS can also provide and integrate main highway variable message signs to alert regular traffic to the dangers from a oncoming wrong way vehicle.

The system can be delivered to operate from AC power or can include solar power for each of the enclosures.

- Accurate Detection System with Low False Alarm Rate
- Adaptive Wireless Display/Beacon Interface
- Lidar for Confirmation
- No Pavement Penetration
- PTZ Camera for Front and Rear Vehicle Recording
- Wireless Confirm Link
- 3G Interface for Alerts
- Optional Solar System
- Optional Audio Warning



PTZ Camera

- Effective Pixels 2560(H)x1440(V)
- S/N Ratio >50dB
- Gain Control Auto/Manual
- Shutter Speed Auto/Manual 1/50~1/1000
- IR distance 60 Meters
- Lens Type Motorized/Auto Iris DC
- Focal Length 2.8~12mm motorized
- Focus control Auto
- Angle of View 36° ~100°

Lidar

- Effective Pixels 2560(H)x1440(V)
- Detection Range 215 Meters
- Segments 8
- Beams 48°
- Vertical FOV 0.3°, 3°
- Wavelength 905 nm
- Accuracy 5 cm
- Data refresh Up to 100 Hz

NUC PC

- CPU Intel Atom™ E3815
- Clock speed 1.46 GHz
- CPU L2 cache 512 KB
- Chipset Intel Atom
- Memory 8 GB (1 x 8GB)
- Storage 1 x SATA SSD
- Operating System Linux

Let us customize this system to meet your particular demands. Whether it be multiple lanes, additional sensors, wireless links, or any of a multitude of beacons, signs, or displays, TDS has the hardware and software design resources to satisfy your needs.

Contact Info

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TDS
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