



SeeDOT – US DOT Number Reader



Maximum Accuracy Cutting-Edge Solution with U.S. DOT Number Reading for Automation and Collection of DOT numbers used for Truck Identification, Pre-Screening, Inspection and Enforcement/Compliance Monitoring

The SeeDOT system automatically monitors commercial motor vehicles entering and exiting controlled areas such as: Ports of Entry and border crossings, or weigh in motion stations along highways, secure parking facilities for trucking, and other sensitive installations, along with fleet management applications.

SeeDOT enables users to automatically capture, collect and read the DOT (Department of Transportation) number listed on the cab of every Commercial Motor Vehicle (CMV) that transports interstate cargo and link the information to the vehicle records. This automated reading capability allows for speedy retrieval of useful data from State and Federal Department of Transportation databases related to the commercial vehicles inspections record and license compliance. This provides benefits to the commercial vehicle operators, agencies and enforcement officers by allowing real time identification of the commercial motor vehicles along with quick retrieval of relevant information related to size, safety records and HazMat registration. High risk vehicles can be identified and focused upon.

When integrated with HTS' LPR system, SeeDOT meets the specific challenges of the intelligent transportation sector, as both the DOT number on the cab of the vehicle, as well as the CMV's license plate can be simultaneously read to effectively and accurately identify,



track and monitor the truck and its load in required sectors for the State Departments of Transportation along with POE agencies and other sensitive locations.

The output of the SeeDOT system, integrated with HTS's LPR solution, consists of the time and date, license plate number, license plate image, and USDOT number and image all of

which are captured and available to view in real-time and can be stored for later retrieval and compliance audits.

Benefits and Features

- SeeDOT can be used as a stand-alone system or as a part of a larger **solution** for end to end weigh station enforcement or secure and efficient border crossing and POE management
- Both the SeeDOT and LPR cameras are provided with integrated illumination
- SeeDOT sensors can successfully handle trucks travelling at speeds up to 50 miles per hour without degradation of performance
- It is not required for the truck or other vehicles to stop in the lane
- Improved productivity, reduced wait times, increased inspection diligence and continuity for handling of all CMV's are a few of the tangible benefits of a SeeDOT implementation

Mode of Operation

- SeeDOT will automatically read the DOT Number and the front license plate number of each CMV passing through each lane
- The system and its cameras are externally triggered by ground loop controller(s) as the vehicle (truck or other) arrives and travels through the controlled lane area
- The SeeDOT system has LPR cameras each containing its own integrated illumination for 24/7 operation, and are included to assure that the entire lane is covered (license plates can be located anywhere on the front of the truck)

Typical Applications

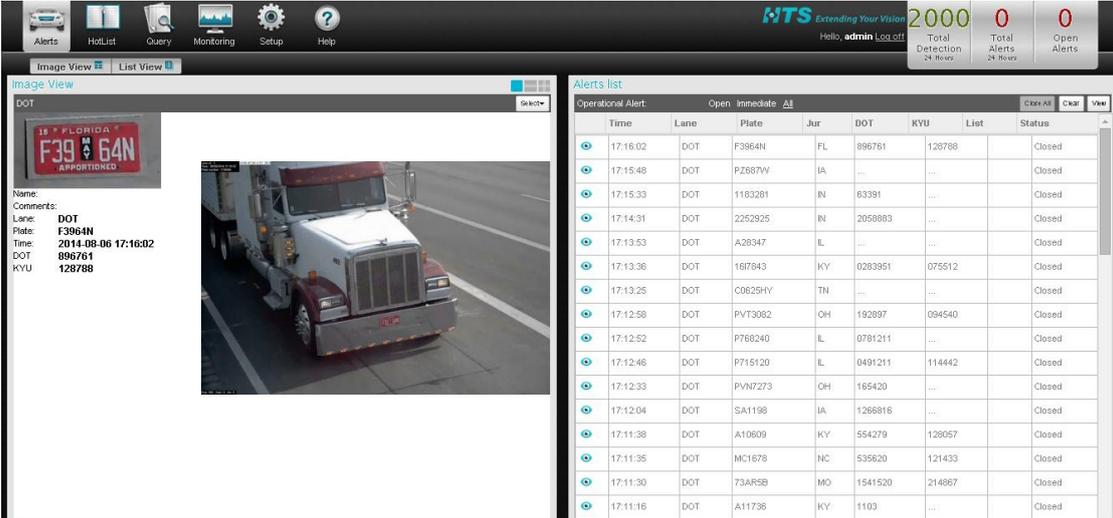
SeeDOT has many other applications in addition to Weigh-In-Motion for those who want to use the vehicle's DOT and License Plate numbers for other purposes. Some of these are:

- Weigh Systems (WIM and stationary)
- Port of Entry/Border Control

- Access Control
- Security Systems
- Vehicle Scheduling Systems
- Container Port Portals and Gates
- Parking Management
- Vehicle Inventory
- Others

Typical System Components

- Digital cameras for truck side USDOT number recognition and imaging.
- illuminators
- Optional LPR cameras for front truck plate recognition with integral illumination
- Network interface card ot handle digital camera images Mounting brackets
- Cables
- SeeDOT system software application package including integrated USDOT and LPR OCR package



The screenshot displays the HTS software interface. At the top right, there are status indicators: '2000 Total Detection @ Hours', '0 Total Alerts @ Hours', and '0 Open Alerts'. The main interface is divided into two sections: 'Image View' and 'Alerts list'.

Image View: Shows a side-view image of a white truck. To the left of the image, there is a red license plate with the text '18 FLORIDA F39 64N APPORTIONED'. Below the image, the following information is displayed:

Name:
 Comments:
 Lane: DOT
 Plate: F3964N
 Time: 2014-08-06 17:16:02
 DOT: 896761
 KYU: 128788

Alerts list: A table with columns: Time, Lane, Plate, Jur, DOT, KYU, List, Status. The table contains 15 rows of data, all with a 'Closed' status.

Time	Lane	Plate	Jur	DOT	KYU	List	Status
17:16:02	DOT	F3964N	FL	896761	128788		Closed
17:15:48	DOT	PZ687W	IA		Closed
17:15:33	DOT	1183281	IN	63391	...		Closed
17:14:31	DOT	252925	IN	2058883	...		Closed
17:13:53	DOT	A28347	IL		Closed
17:13:36	DOT	1607843	KY	0283951	075512		Closed
17:13:25	DOT	C0825HY	TN		Closed
17:12:58	DOT	PVT3082	OH	192897	094540		Closed
17:12:52	DOT	P768240	IL	0781211	...		Closed
17:12:46	DOT	P715120	IL	0491211	114442		Closed
17:12:33	DOT	PVN7273	OH	165420	...		Closed
17:12:04	DOT	SA1198	IA	1268816	...		Closed
17:11:38	DOT	A10609	KY	554279	128057		Closed
17:11:35	DOT	MC1678	NC	535820	121433		Closed
17:11:30	DOT	73AR5B	MO	1541520	214867		Closed
17:11:16	DOT	A11736	KY	1103	...		Closed