System Highlights

- Video optical character recognition
- Biometric finger print scanning
- Drivers license scanning
- Bill of lading / manifest scanning
- Live driver to guard video feed with audio feature
- Laser sensors measuring length of container
- User friendly system functions
- Easy to access data retrieval and storage
- 180 days of storage

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D002/2176/0708

Intermodal Container Exit System

ICES®

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A technology solution *designed* with intermodal companies in mind

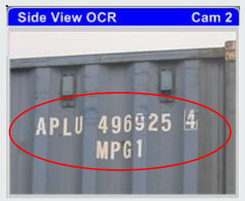
"Innovative solutions for every business."

OVERVIEW

ICES® is a completely automated application for tracking and recording intermodal container exiting a yard. The core technology of the system is the **V**ideo **O**ptical **C**haracter **R**ecognition engine **(VOCR)**. The system takes video imagery from moving containers, extracts relevant data (user defined) and populates a database with the extracted data.

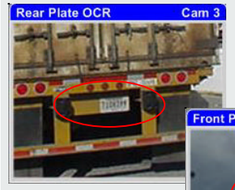
ICES® will capture and store the following information in a simple user interface:

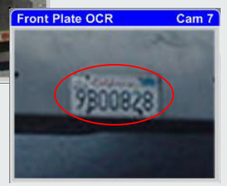
Container Numbers



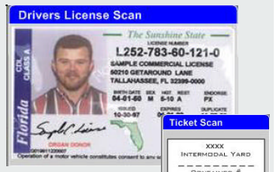
Trailer Numbers

Front and Rear License Plates



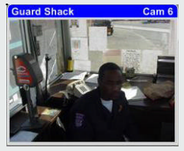


Driver's License Data

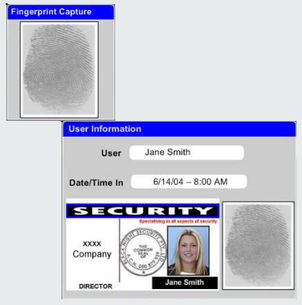


Video of Vehicle and Container

Video and Audio of Driver and Guard Interaction



Biometric Capture of Fingerprints



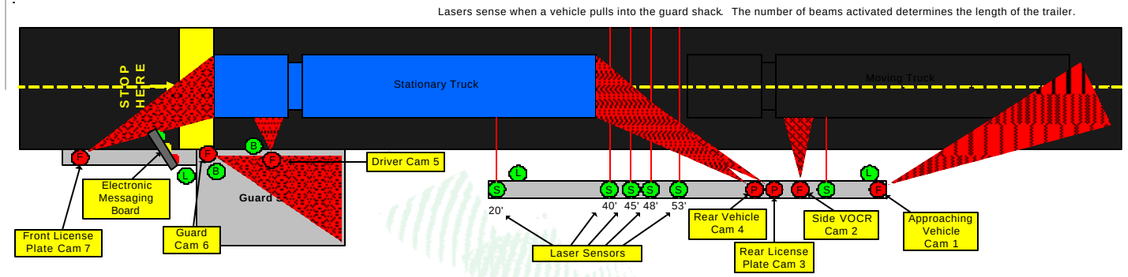
All captured data is stored in an **open architecture SQL Database** for easy retrieval. The database is searchable by any input criteria.

ICES® is the ideal application for the following environments

- Intermodal / Container Yards
- Rail Yards
- DOT or DOA Checkpoints
- Weigh Stations
- Toll Plazas
- Seaports

Or any application where container or vehicle data collection is required.

HOW IT WORKS



1. Truck moves toward guard shack. Cam 1 records all approaching vehicles prior to entering the security portal.

2. First laser beam is triggered, Cam 2 begins to record. Cam 1 stops recording.

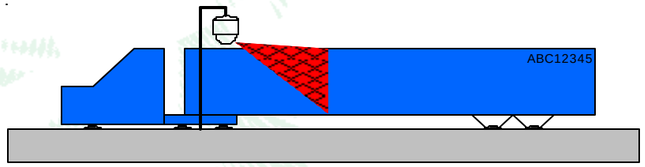
3. As entire truck clears the first laser, Cam 2 recording is stopped. **VOCR** on container trailer and license plate data begins.

4. Truck moves forward to guard shack. Cam 6 watches for motion and triggers an event sequence. This event starts recording of Cams 3, 4, 6, & 7.

5. The recording on Cams 3, 4, & 7 runs for approx. 10 seconds. VOCR on the front and rear license plates and rear of trailer begins.

6. Guard takes license and ticket from driver and runs them through the stationary optical scanner. System instructs driver visually and audibly to look into Cam 5 and the guard hits the "Take Driver Photo" button on the software interface. Driver places finger on the biometric fingerprint capture device and fingerprint image is added to the transaction record.

7. System processes all collected data into transaction record and the screen will flash "COMPLETE". Recording on Cam 6 stops.



Truck sides are scanned as the vehicle pulls up to the guard shack