

MMCVision™ LANE CAMERA SYSTEM



The Lane Camera System™ (LCS) is comprised of state of the art hardware and software and provides a platform for enterprise wide container and vehicle tracking.

Optimized Vehicle Management

Essential to any port management operation the LCS™ delivers a flexible tracking architecture that allows for critical container and vehicle data to be delivered to any workstation or data store in a time sensitive manner.

End-to-End Solution

Advanced multi-threaded architecture allows up to 100 cameras to be processed on a single server, which greatly reduces cost. By combining video sequence data with container and plate numbers, fewer resources are required to monitor and support import and export scanning locations.

Enterprise wide situational awareness of traffic flows and time to destination alerts help to insure operations personnel have the accurate occupancy payload information of all in process vehicles.

Guaranteed video segment collection ensures the right vehicle arrives at the correct location and the operations personnel have the accurate information for rapid vehicle processing.



INTERFACE DESIGN

The LCS provides a rich set of graphical user interface components for inclusion with existing applications. Every aspect of the LCS can be fine tuned in order to meet the unique requirements of individual inspection lanes.

ENTERPRISE SOLUTIONS

The optimized LCS™ interface allows for easy access to all occupancy payload information from any authorized system. Historical reporting and system health monitoring insures all archival requirements can be managed.

CONTAINER NUMBER ACCURACY

Through the coordination of video sequence information from multiple camera locations, LCS™ recognition accuracy is extremely reliable.

DEVICE ADAPTIVE

The LCS™ currently supports more than 400 cameras, which are integrated with RPM and SPM systems and can easily interface with any PLC or network input phase routing.

UNIFIED COMMUNICATION

The LCS™ open system architecture can interface with any signal input via any protocol.

DATA STORAGE

Operational efficiency is achieved through the utilization of the LCS™ common data storage system. Common data storage provides centralized access and reporting thereby enhancing ability to respond to threats.





LANE CAMERA SYSTEM: LCS™

HIGH RESOLUTION VIDEO

- Cameras meet IP-65 (DIN EN 60529) standards
- Operating temperature -30 to +60°
- Cameras do not use heaters or blowers
- Cameras function in the harshest environment

SUPPORTS

- ISO 6346 (BIC code)
- UIC code
- MOCO code

CHARACTER SUPPORT

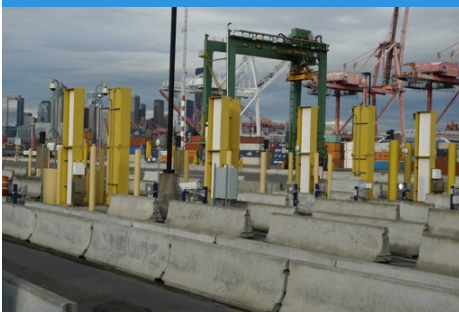
- Latin, Arabic, Chinese, Korean and Cyrillic

OUTPUT PAYLOAD

- Container Code in ASCII
- Best image (most reliable)
- Code position
- Confidence level

RECOGNITION TIME

- 500ms



APPLICATION AREAS

- ✓ Tolling systems
- ✓ City congestion
- ✓ Journey time measurement
- ✓ Law enforcement
- ✓ Highway traffic surveillance
- ✓ Access control (Entry & Exit) to
- ✓ Restricted car parks
- ✓ Vehicle storage areas
- ✓ Maximum stay car park
- ✓ POE (Pay-On-Exit) car park
- ✓ POF (Pay-On-Foot) car park
- ✓ Security control / monitoring
- ✓ Weight-In-Motion (WIM) systems
- ✓ Border control & Customs

ADVANTAGES

- Highly scalable service oriented architecture
- Open system modular design can integrate with any sensor type, camera, or device
- Combined container number recognition and manifest tracking systems for cross verification of all containers traversing inspection lanes
- Integrates with any radiation portal monitor and provides real-time display and tracking of all alarming vehicles
- Easily configures with any scanning system via an open web service API providing secure information sharing
- Optimized touch screen graphical user interface, allows personnel to focus on interdiction
- Real time alarm synchronization across all monitoring stations
- Optional video management system, for high resolution video surveillance
- Advanced storage management allows for the collection, archival and cleanup of millions of vehicle occupancies and alarms



VIDEO MANAGEMENT SYSTEM

- 5 mega-pixel 30fps fulltime recording and simultaneous recast of the same video feed that is bit-rate controlled for mobile phones and tablets
- Full area coverage provide hi-resolution 180 degree views that allow supervisors to monitor large areas on a single system
- Fully integrated PTZ management
- System scalability for thousands of video feeds
- Advanced multi-threaded architecture allows up to 100 camera to be processed on a single server which greatly reduces cost