



# SECUROS TRAFFIC

## Traffic Incident & Flow Analysis



INTELLIGENT SECURITY SYSTEMS

SecurOS TRAFFIC is an intelligent image analytics module for the SecurOS ENTERPRISE video management platform, which provides traffic incident detection, real-time traffic flow metrics and statistical analysis.

The system can be used for incident detection or for statistical metrics of a roadway. From accidents, to stopped vehicles, vehicles travelling too fast or in the wrong direction, to objects on a roadway. SecurOS TRAFFIC can immediately alarm and provide complex reaction management. It can also track statistical information on a roadway such as average speed, vehicle counts, and density computations to create extremely robust statistical reports.

### Functionalities

- Analog and IP cameras supported
- No physical detectors or hardware required other than cameras - detectors are virtual
- Multiple lanes of traffic analysis per channel
- Registration of incidents and statistical data in any SQL database
- Search of detected incidents in video archive and/or database
- Export video with detected incidents to AVI file
- Configuration may be stand alone or distributed server-workstation
- Remote management and incident reaction
- SecurOS TRAFFIC can integrate with third party systems to

provide a comprehensive traffic management and incident analysis framework

### Real-Time Events

- Speed per Vehicle
- Vehicle Count
- Accidents
- Objects on the roadway
- Vehicles traveling wrong direction
- Roadway conditions
- Occupancy / Traffic Congestion
- Speeding / Parked Vehicles
- Unauthorized vehicles

### Statistical Analysis

- Average Speed per lane
- Aggregate Vehicle Occupancy
- Traffic Analysis
- Congestion

**Real-time monitoring**

Analysis Lane ID	Speed	Occupancy	Traffic condition
Analysis camera 1	41 mph	10%	Low traffic
Analysis camera 2	4 mph	99%	Traffic jam

**Traffic incidents**

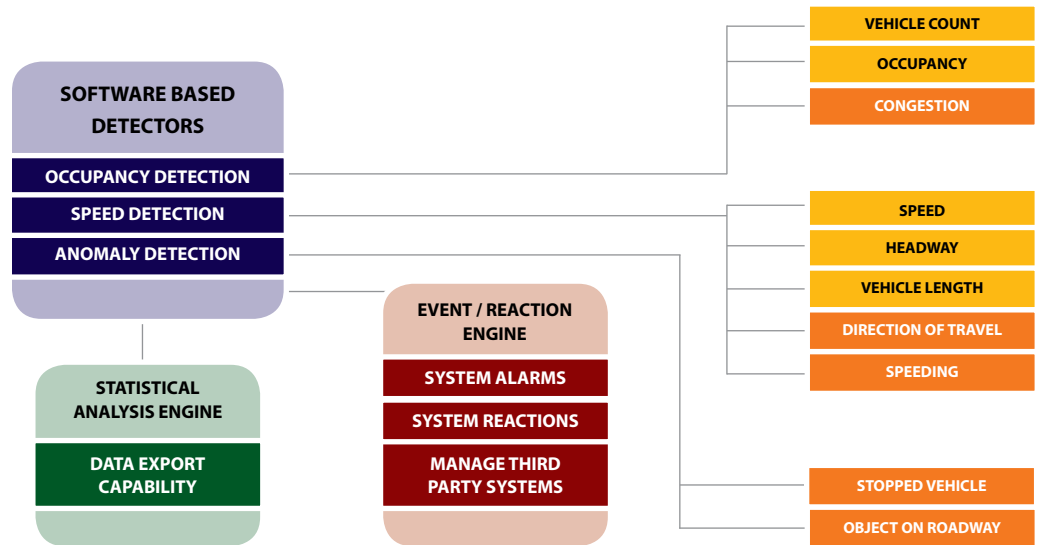
Traffic Camera	Lane file	Time	Incident type
Analysis camera 2	1	17:37	Reverse moving vehicle
Analysis camera 2	1	17:36	Stopped vehicle
Analysis camera 2	1	17:36	Stopped vehicle
Analysis camera 2	1	17:36	Stopped vehicle
Analysis camera 2	1	17:34	Stopped vehicle
Analysis camera 2	1	17:30	High speed vehicle

# SecurOS TRAFFIC Specifications

## System Schema

### A Comprehensive Solution

The ISS SecurOS TRAFFIC smart video module extends the capability of traffic surveillance into a proactive monitoring and management solution for municipalities and roadway authorities. With detailed incident and event information, statistical aggregation tools, integration with third party systems & data collection processes, and the most comprehensive scenario and event management framework in the industry, SecurOS TRAFFIC can be a powerful stand-alone tool or critical component in any traffic management deployment.



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## SecurOS Video Management System Specifications

### Video Management

- Analog / IP / Hybrid Camera Capability
- CIF 1/2/4, VGA, Megapixel Support
- Intelligent PTZ Capability
- Support Hierarchical Redundant Architecture
- Infinitely Scalable
- Pre and Post Alarm Recording
- Watermark on Video
- Simultaneous View, Record & Playback
- Enhanced Digital Features
- Adjustable Video Compression

- Addressable Multi-Zone Motion Detection
- Multi-Layer Smart Mapping
- Wireless PDA Capability
- Smart Search Capabilities
- "Virtual Fence" Management
- Remote and/or Redundant Storage
- Multi-Cast Capability
- Virtual Monitor / Matrix

### Advanced Configuration and System Management

- Centralization of Management
- Time Schedule Engine
- Remote Client Access & Admin

- Web Client Available
- Advanced IT Architecture
- Integrates with Microsoft Active Directory
- System can run as Windows service
- Advanced User Rights Management
- Central Station Capability
- Unlimited Operators / Admins with Multiple Permission Sets
- Ease of Use Utilities such as Media Player and Backup Utility
- Network, Camera, and Device Status Annunciation



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