



SECUROS CARGO

Cargo Container Recognition



INTELLIGENT SECURITY SYSTEMS

SecurOS CARGO is an intelligent image analytics module for the SecurOS ENTERPRISE video management platform, which provides recognition of cargo container characters on trucks as well as cranes.

SecurOS CARGO is an automated container ISO code recognition system. It implements the most advanced proprietary image processing software, the ISS SecurOS framework, and advanced algorithms for the recognition of characters on cargo containers.

Functionalities

- Analog and IP cameras supported
- Specify reaction to positive comparison
- Instant data search in video archive
- Automatic notification (phone, e-mail, SMS)
- Distributed and modular architecture to enable remote database query, monitoring and storage
- Automated localization and best image selection of cargo container characters
- Fully automated system
- Compensation algorithms to adjust for image distortion
- Advanced image analytics for extremely fast and accurate OCR - automatically reads and records the container ISO code

- Top, side and back number recognition; horizontal or vertical orientation.
- Localization and automated selection of best image frame for highest recognition capability
- Completely automated operation
- Capability to alarm based on recognition and to pre-program pass/alarm lists
- Provides verification against cargo manifests
- Consolidation of numbers on back, side and top to increase accuracy
- Intermodal operation - integration with SecurOS AUTO and TRANSIT coordinate cargo container data with license plate of cargo truck or serial of train
- Integration capability with SQL databases and SDK available for integration with legacy cargo management systems
- I/O integration capability to manage third party devices from a unified command and control point
- Distributed and remote monitoring/administration capabilities
- Full integration with the SecurOS video management platform

Flexibility of Use

- Standalone or crane based operation



SecurOS CARGO Specifications

Secure Your Assets

- Access permissions, restrictions and rights & privileges of persons in protected areas
- Formation of a database with tagged data such as date and time, container number, and associated video
- Advanced event/response management including time schedule engine, adjustable thresholds and alarm capabilities

Potential Deployment Areas



Port Management -Truck based



Port Management - Crane based



Mobile Inventory Systems Weigh-in Stations



Rail Cargo Installation



Border Crossings, Access and Gate Control Systems



Cargo Tracking



SECURUS

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 / 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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