



SecurOS Cargo

Container Character Recognition



Container Character Recognition

SECUROS
CARGO

SecurOS CARGO is an intelligent video analytics module for the SecurOS video management platform providing recognition of cargo container ISO codes in a variety of applications.

- > provides a number of unprecedented advantages for users, including the ability to recognize codes on cargo containers from numerous sides
- > the automated system can also incorporate facial and license plate recognition, along with tracking capabilities, for a more comprehensive search and report



Primary Applications



Warehouse Terminals



Manufacturing Sites



Border Management
and Customs Control

Key Features

> Smart Search

Partial text/wildcard search for container codes against watchlist/external databases.

> Advanced Search Data

Search results will include snapshots of recognized code, video sequence, and information of camera, time, date, location, and direction of container passing.

> Watchlists

Add container codes to local watchlists (black, white, info), and set custom alarms for matches against the watchlist.

> External DB Connectivity

Seamless connection to external databases, including prohibition/permission of pass, automatic notification regarding pass of container with flagged code.

> System Automation

Provides advanced reaction capabilities and automatic operator notification based on container code recognition and/or comparison with information from a database/watchlist.

> Reporting Tools

Quick report generation of the container(s): print frame and information about the recognized container code(s).

> Direction Detection

Includes standard feature for container direction detection.

> Third-Party Equipment Integration

System integrates with most third-party equipment and devices such as gates, weigh scales, and more.

> SDK Support

SDK available for integration with third-party applications and can be used to feed data to third-party applications such as port management software.

Advantages

> Hardware-agnostic System

No specialized cameras or other hardware is required.

> Complete Logistics Management

Ability to integrate with other devices such as weigh scales, SecurOS Cargo can provide a complete logistics management solution.

> Varying Recognition Environments

System can support a number of different recognition environments including: truck, crane, forklift, as well as use of hand-held devices.

> Customization

Flexible smart adaptation of solution as per our clients' needs.

> Advanced Recognition Engine

System recognizes container ISO codes printed horizontally or vertically, on the top, side, or back of the container.

> Result Consolidation

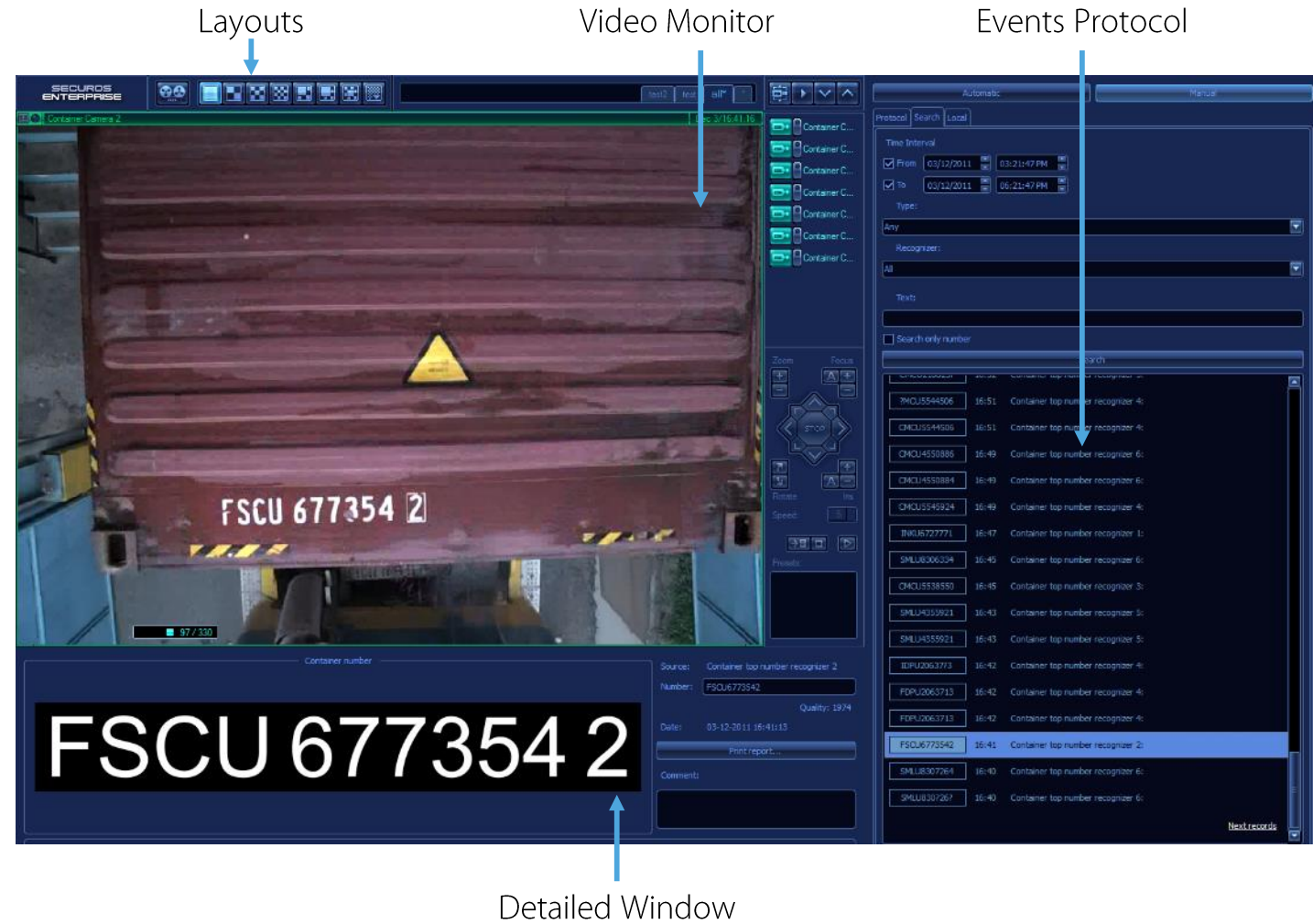
If multiple cameras are used (e.g. both sides and top of container), system will consolidate results into one best result. Also video from all the cameras will be time synced and easily available for playback and export.



Graphical User Interface

The SecurOS Cargo interface supports performance by the operator of the following actions:

- > monitoring of current situation (examination video from the cameras of recognition and PTZ-cameras)
- > visual remote examination of the container for revealing of damages, uncovering traces
- > viewing and correction of recognition results (if there is factors standing in the way of process of automatic recognition) etc.





19/1 Suvorovskaya str.,
Moscow, Russia, 107023

+7 (495) 645-2121 | info@iss.ru | <https://en.iss.ru/>