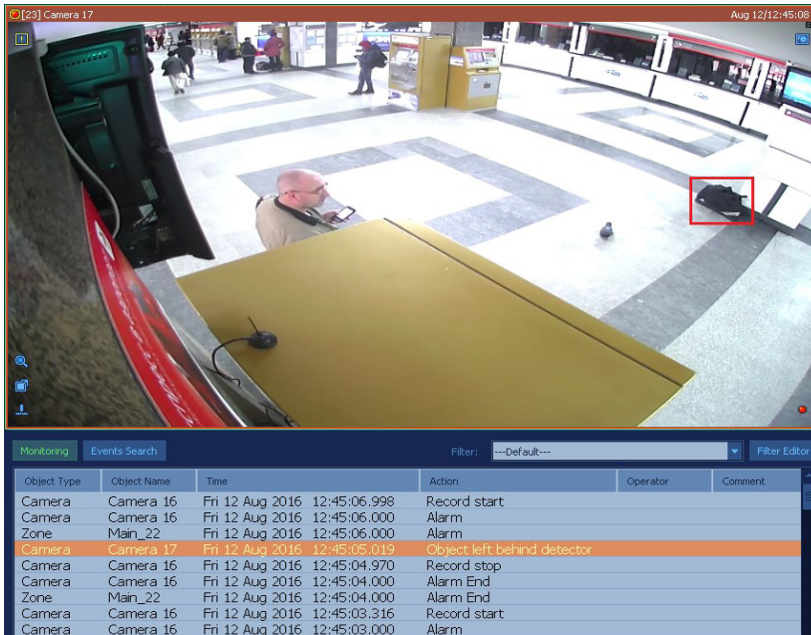




SECUROS TRACKING KIT

Situational Video Analytics



The Tracking Kit, plugin of the SecurOS™ Computer Vision subsystem offers the SecurOS™ Situational Video Analytics Suite. This Suite provides a set of advanced video analytics detectors designed to increase situational awareness of SecurOS operators.

Tracking Kit detectors will streamline operator efficiencies by not requiring constant monitoring of control areas; improving operator event processing; and by monitoring/controlling several locations, without impact the the security staff.

Technology Overview

Hardware-Agnostic System

No specialized cameras or other hardware is required. System is hardware-agnostic.

Programmable Logic Event Processing

Provides ability to automate a large variety of routine operations, performed consistently in high volume - 24x7.

Cutting Edge Video Analytics Algorithms

Uses advanced algorithms for object tracking, foreground extraction, sudden lighting changes and much more.

Minimized False Positives or Missed Events

Maintained by advanced settings for each control zone and operating conditions.

Unlimited Number of Detectors

One system can run an unlimited amount of detectors, as well as being able to enable multiple detectors per camera.

Integrated with SecurOS™ VMS

Seamlessly works alongside the SecurOS™ video management software as well as other SecurOS Analytics modules.

Applications

- **Object Left Behind** - Trade and service enterprises, metros, airports, business centers, checkpoints.
- **Loitering** - Parking, ATM, pedestrian zones.
- **Crowd Detection** - Retail, Sports/Cultural sites, pedestrian zones, adjacent territory to administrative/gov't buildings.
- **Intrusion Detection** - Cultural facilities (e.g., monuments), transportation infrastructure (e.g., bridges).
- **Object Counter** - Customs & passport control, cultural facilities (e.g., art gallery), secure areas of buildings/infrastructure, location requiring occupancy control.
- **Running Detection** - Metros, airports, any location where running can be construed as suspicious behavior.



SECUROS
PREMIUM



SECUROS
ENTERPRISE

Compatible with ISS SecurOS™
Premium and Enterprise



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Key Features

Object Left Behind Detector

Designed to detect objects/packages left behind.

Loitering Detector

Designed to detect people moving within a controlled area during a long period of time.

Crowd Detector

Designed to detect large groups of people in open areas and premises providing an early warning of public unrest and disorder.

Intrusion Detector

Designed to detect objects that intersect the perimeter of a restricted area.

Object Counter

Designed to detect objects that intersect a control line (e.g., people, vehicles). In/Out count provided.

Running Detector

Designed to detect people moving at a speed exceeding a predefined value.

Object Classifier

Will classify the detected/tracked object as Person/Vehicle using advanced algorithms. Additionally, results can be double-checked by object size and aspect ratio.

Quick Archive Access

By clicking on any of the detector events from the *SecurOS™ Event Viewer*, user can immediately see the corresponding video in the **SecurOS Media Client**.

Object Highlighting

Objects of interest will be highlighted in the video archive.

Advanced Event Handling

Based on Tracking Kit detector events, **SecurOS** can create visual notifications on the *SecurOS™ Event Viewer*, *Alarm Monitor*, *2D/3D Maps*, *Video Wall*; as well as send alerts to Emergency Service Centers (i.e. 911).

Specifications

ISS Platform Support	
Supported Operating Systems	Windows 7, 8, 8.1, 10, 2008 R2, 2012 R2, (32/64 bit)
SecurOS™ VMS version support	SecurOS™ Premium SecurOS™ Enterprise
Supported Video Formats	
IP Video format supported	H.264, MPEG4, MxPEG, MJPEG
Analog video format supported	NTSC, PAL
Camera Technical Data	
Supported camera types	Fixed (box/dome), 360° PTZ (*FIXED CAMERAS ARE RECOMMENDED)
Supported camera views	Angle, Overhead, Horizontal (*some detectors will work better on specific views)
Minimal required resolution	320x240 (maximum resolution not limited)
Minimal required FPS	15 frames per second
Additional Technical Data	
Minimal linear size of detected/tracked object	5% of frame size
Object classifiers	Person, Vehicle
System Output	Camera Name/ID Detector Name (Object Left Behind, Loitering, Crowd Detection, Counting, Intrusion, Running) Event Name Event Description Timestamp of Event Snapshot of entire frame (outline object)

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INTELLIGENT SECURITY SYSTEMS

Aspen Corporate Park
1480 U.S. 9 North, Suite 202
Woodbridge, NJ USA 07095

+1 732 855 1111 office

+1 732 855 1175 fax

sales@isscctv.com

Argentina	+54 11 5252 8779
Chile	+56 9 65732993
Colombia	+57 (312) 4783127
Mexico	+52 55 8421 3095
Peru / Bolivia	+51 997 111678
Central America / Caribbean	+502 5517-8395
South Africa	+27 (0) 8 333 08 767
Ukraine	+38 (044) 238 24 83
UAE	+971 4 231 4266