Intelligent video solutions, how smart can they be?

In the last few years, various intelligent video solutions claim to be the best solution. The fact is that many of these solutions don't handle uncontrollable exterior environments or are insufficient for everyday use.

Many solutions being sold today still have debilitating problems with their systems, making them less than viable solutions.

Why? They're still known to miss running or crawling intruders, false alarm 10 to 150 times a day, cannot detect in low-light, require ongoing time-consuming configuration (e.g. day cycle, seasonal, and weather adjustments), are too basic to fit real-life scenarios, cannot detect in all directions and distances, fail to provide flexibility in detection areas (shape, size), are software based on a network PC, are limited to only stationary cameras and have no Pan/Tilt/Zoom (PTZ) support to zoom-in and track the intruder beyond the stationary camera Field Of View (FOV).

TotalTrack powered by VTD™
5 solutions up and running in 5 min

Detect Intrusion
IntrusionTrack™ is an intelligent module that watches with unblinking vigilance for intruders in surveillance video; IntrusionTrack™ doesn't give intruders a chance. Built-in VTD" technology detects intruders while ignoring distractions that cause false alarms, like small animals, swaying branches, cloud shadows, rain, snow, etc.

Auto-Track with PTZ
PTZTrack™ is an innovative module that transforms manually controlled Pan/Tilt/Zoom cameras to automated intruder-tracking systems that keep the intruder in focus and centered in the video frame. It is a fully independent (autonomous-no helper camera needed) spot-and-track system that can be coupled with IntrusionTrack™ to seek out intruders in different areas by looping through preset location sequence. It follows where stationary cameras would lose the intruder once out of the camera's field of view.

Locate Abandoned Objects
UBTrack™ (Unattended Baggage) is ideal for anti-terror crowd surveillance and homeland security protocols. This module, which works both indoor and outdoor, automatically detects unattended objects and unaccompanied baggage to alert and provide information for handling possible baggage bomb threats or discarded contraband. UBTrack™ is suited for real-world crowded places, such as airport terminals, bus and train stations.
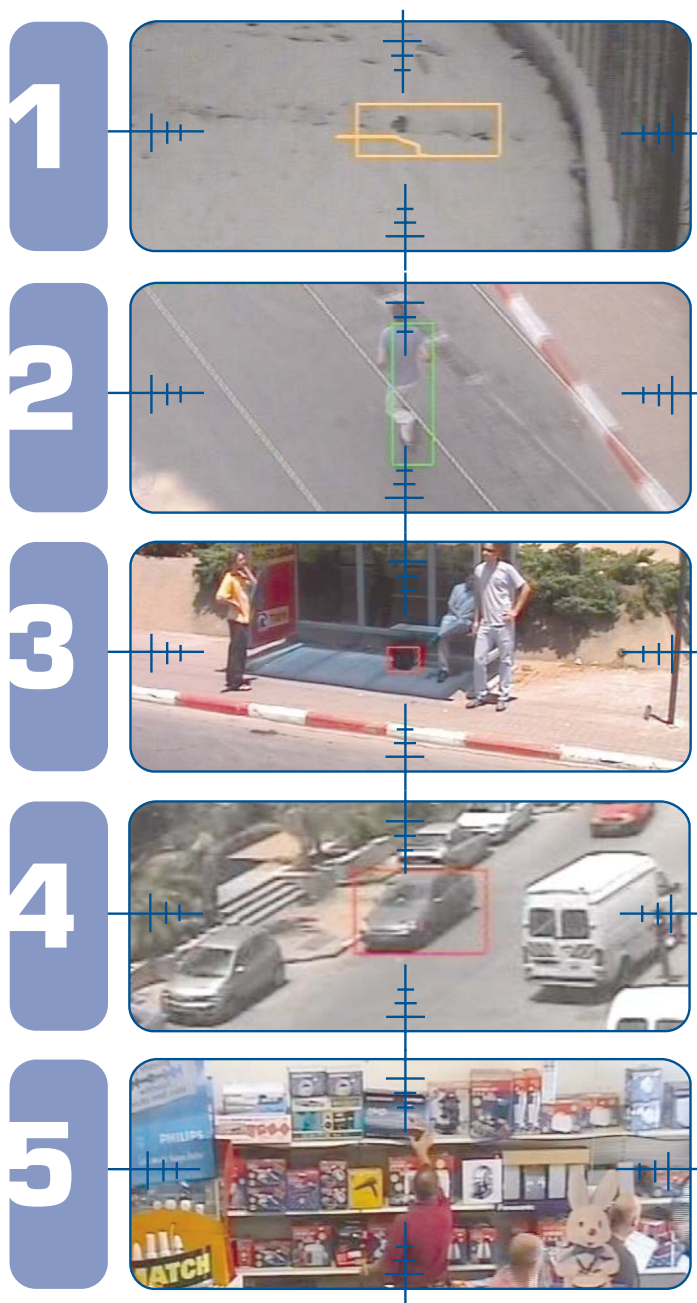
Display Parking Violators
NPTrack™ (No Parking) automatically spots violations in parking and stopped vehicle rules. Detects stopped/standing vehicles, parked vehicles in no-parking zones, broken-down vehicles in traffic lanes, exceeded time limit parking (short/long-term), etc.

Detect Object Removal
ORTrack™ (Object Removal) is a target-specific feature that automatically detects if an object of interest is moved from its location. This can be ideal for tasks such as running sting operations, detecting vandalism, identifying theft (whether customer or employee), or assuring objects are in place for site safety.

TotalTrack using VTD™ is the only solution providing a comprehensive security-smart design including:

- Unique automatic sensitivity per pixel 30 times a second (No ongoing calibrations)
- Detection supports both PTZ and stationary cameras. Intruders detected on a PTZ, are continuously tracked through the entire field-of-view of the PTZ camera (no external camera needed)
- One time 5 minute setup, seamlessly integrates into any existing system
- Processing on dedicated DSP hardware platform (not a software on a network PC)
- Can distinguish and detect between objects (humans and cars, boats and jet skis)
- Catches intruders whether running, crawling (as slow as 30cm every 5 min.), under conditions such as rain, snow (see picture below), low light, shadows, etc.
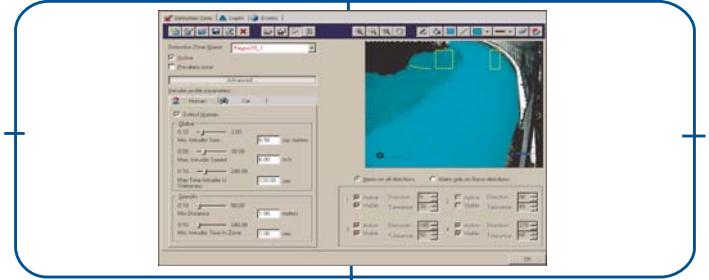

ioIMAGE   Video Threat Detection

TRK-Monitor Software

An out-of-the-box command and control-center software solution that provides a remarkable workspace and features ideal for serious security site management supporting unlimited number of cameras. Features include sitemap navigation, on-screen display, dual-screen-console support, automated incident response synergy, password protection, camera access privileges, personalized workspace layouts, multiple layout views, supports multiple sites, efficient alarm management, and more.

TRK-Setup Software

An intuitive easy-to-use administrative software that allows for quick configuration and security policy design for one or more TRK Units. Its smart design makes setup a snap with multiple ways to configure custom 3D and terrain security policies. Pick and choose automatic incident responses, such as triggering a lockdown on alarm and more.

Three in one, the TRK Units convert any type of analog camera into an MPEG-4 IP camera, transform inanimate cameras into smart cameras, and provide Network Video Recording (NVR) capabilities.

MINI TRK Units
Models TRK-Mini-100 TRK-Mini-140

The TRK Mini Units are miniature units that can be used for indoor and outdoor applications. The units, about the size of a deck of cards, Are small enough to be installed inside the camera enclosure and casings of some models. Their size makes them ideal for adding functionality to OEM products, inconspicuous, or confined space installations.

COMPACT TRK Units
Models TRK-100 TRK-140 TRK-200

The Compact TRK Units are small shelf units to be used for indoor and outdoor applications.
Compact TRK Units are ideal for small to medium sized security operation with one or more camera or for scalable installations where the units are dispersed in multiple locations of one and two camera cells.

ENTERPRISE TRK Units
Models TRK-400 TRK-440 TRK-800

The Enterprise TRK Units are 19" rack units for installations that are centralized, such as a security control room. Ideal for medium to enterprise security operation with a large number of cameras, the Enterprise TRK Units help optimize rack space by consolidated support for multiple analog cameras in each unit.

The revolutionary total security solution, TotalTrack® powered by VTD™ technology, secures sites like never before, helping to reduce the number of man-hours needed for common everyday security tasks, like watching monitors or roving patrols. It lets the cameras do the work for you!
- Reduces variable costs and heightens vigilance
- 24 hr. security for indoor and outdoor with support for all camera types: B/W, color, IR, thermal, etc.
- Watches the video behind the scenes and displays alert video to monitors

- Does more than conventional security products and surpasses human limitations
- Includes five full-feature modules that can be set on any camera and for limitless scenarios

With the TotalTrack® system, no one will ever look at surveillance in the same way again, nor will they need to!

Call us to place an order or to obtain a free fact sheet on the TotalTrack® complete solution.

ioIMAGE LTD.

3 Maskit St. Herzliya Pituach 46733, P.O.Box 12414, Israel
Tel: +972-9-9546003 • Fax: +972-9-9546004
information: sales@ioimage.com • www.ioimage.com

Powered by **VTD**™