

# TransSec

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## Out of the shadow

Canada sets its own pace

## Locked and barred

Access control layers up

## Closing the gaps

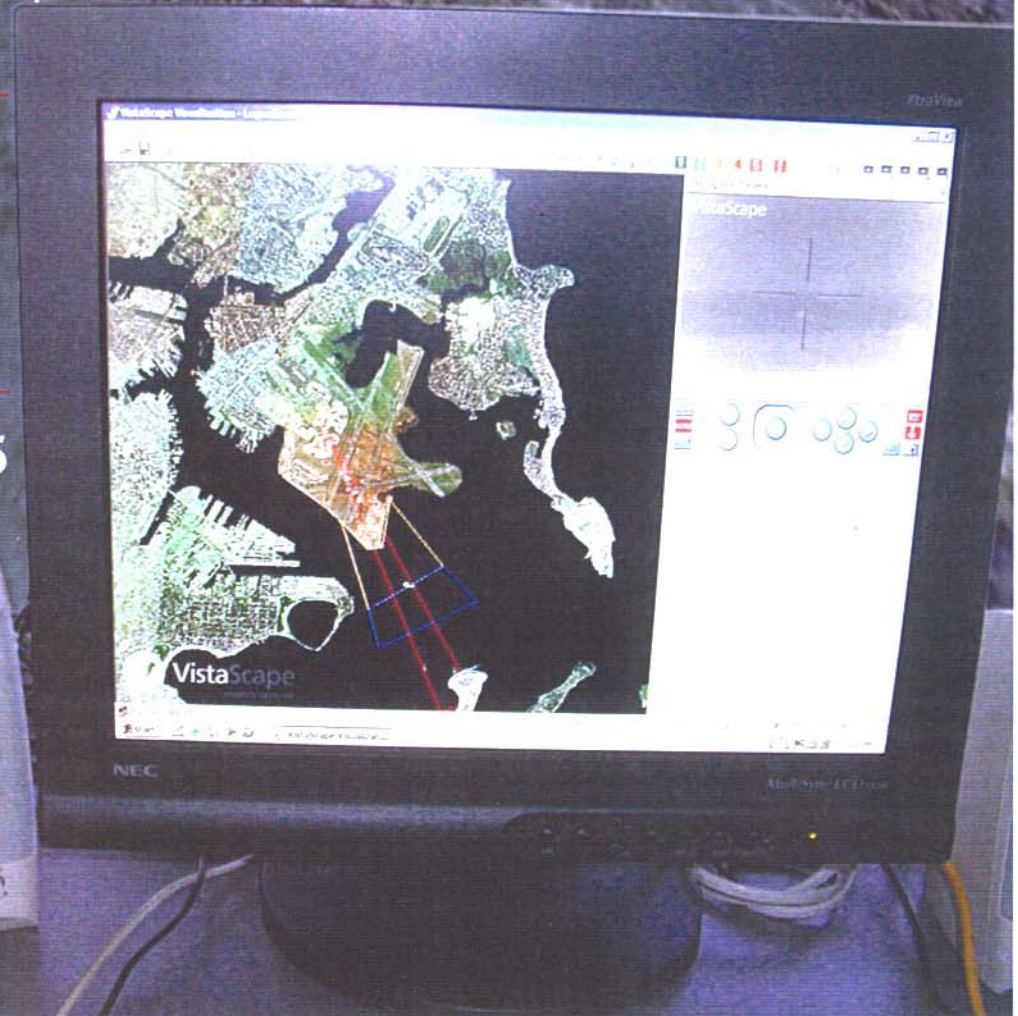
Aviation cracks down on theft

## ISC East 2005

Old show, some new tricks

# Setting limits

Juggling priorities for perimeter security



## NICE supplies 'eyes' for Singapore airport

Israel-based NICE Systems has partnered with Tyco Fire & Security to supply video surveillance analytics in the new terminal at Changi Airport.

The airport will employ NICE video content analytics to data recorded by the on-site camera system. The analytics will help security staff identify risk in real time, improve the quality of decisions and respond more quickly and appropriately.

The NICE system flags anomalies such as unattended luggage and enables staff to retrace the steps of suspicious individuals to determine if there may be a security risk, eliminating much of the reliance on human image interpretation ability, which is constrained by the need to focus on one image at a time. NICE says that the system will prevent unnecessary terminal evacuations, save tenant airlines money and reduce delays for passengers.

The new Terminal 3 will be opened next year and will expand the airport's overall capacity from the current 20 million passengers to 64 million. Tyco is supplying a combination of IP-based CCTV systems combined with network equipment and an alarm management system.

## Mass transit surveillance package

Global ePoint Inc has introduced the Mass Transportation System, a new digital video security technology that applies the company's Cockpit Door Surveillance System to the urban transportation market.

The system can be installed on rail, school buses, law enforcement and emergency response vehicles, and is designed to monitor passengers and give security personnel live video feeds. It can store up to 720 hours of recorded data.

The Video Flashlight system from Duos Technologies can store massive amounts of recorded surveillance camera footage



## Duos Technologies pilots "video flashlight" system

Duos Technologies has completed a two-month pilot of its Video Flashlight Tag & Track System at Jacksonville International Airport (JIA) in Florida under the auspices of the U.S. Transportation Security Administration (TSA).

Video Flashlight is a computer-aided visualization platform that combines live video images from surveillance cameras with three-dimensional facility models to produce an overall scene display. At JIA the display ranges from the TSA security checkpoint to the end of one of the concourses.

"This system was developed to cope with airport shutdowns," says Gianni Arcaini, chairman and CEO of Duos. "When a person gets through an airport checkpoint without their luggage and then they can't be found, they have to be located immediately. But so far the only way to do that is to shut down the whole concourse or even the whole airport.

"What this system does is take a 3-D movie of the whole environment, all the time, from every

angle. It then lets you go back through the recorded footage, find the image of the person you're looking for when they were in the checkpoint line, tag them and then track them forward to the present."

The system can be run at up to eight times normal speed so that operators can catch up as quickly as possible. Arcaini says the system automatically selects the camera with the best view of the subject at all times, so that their activity can be fully monitored. The operator's screen also features a map view providing precise geographical data.

Additional systems can be linked to the Video Flashlight, such as pan/tilt/zoom (PTZ) cameras, which enable operators to zoom in on a selected point. The JIA pilot allows a week of archived footage to be stored, but Arcaini says the system is flexible and users can customize it to store as much as they want. The on-screen view can be programmed to display gate numbers and other data to help operators track their subjects.

## Security radar sees through walls

Cambridge Consultants, a U.S.-based technology consulting firm, has previewed Prism 200, the second generation of its Prism security radar system. The new version is a standalone handheld unit, eliminating the earlier version's separate external controller and man-machine interface.

Designed to support emergency response personnel in such situations as hostage-takings or search and rescue, the unit can be held directly against a wall or mounted on a tripod up to 2 meters (6.5 feet) away, and can display results on its own color screen or transmit them to a remote laptop.

The Prism 200 can penetrate building materials over 40 cm (16 in.) thick and detect activity over a range of up to 15 meters (50 feet) by transmitting low-frequency ultra-wideband radar pulses. The new version has an antenna array that gives it a field of vision of at least 140 degrees vertically and horizontally.

Prism 200 identifies individuals as a cluster of targets of the same color, so that the operator can get a clear and distinct representation of the movement of each person in the target area. It can be programmed to focus on moving targets to give a tracking history of each, and to develop a picture of static objects.

Prism 200 will be commercially available early next year.



Cambridge Consultants' second-generation Prism 200 radar can 'see' through thick walls, and distinguishes individual targets with different colors