

iOmniscient launches its patented Non-Motion Detection Expert System in US - introduces universal False Alarm Minimization capability

Company

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Booth #1503 ASIS International 2003

Description

Following widespread levels of interest in Asia Pacific and Europe, iOmniscient is introducing its innovative non-motion detection solutions to the North American market at ASIS 2003 in New Orleans, Louisiana.

Recognizing that human operators consistently lose concentration after a fairly short period of time, during routine monitoring of CCTV security images, the iOmniscient system utilizes unique patented artificial intelligence techniques to identify suspicious, potentially life-threatening, objects left unattended in public areas over a period of time.

Unlike existing systems, the company's use of heuristic techniques allows it to cope with very complex situations, such as, obscuration (people walking in front of the object), perspective (recognizing that the same object would appear smaller in the distance than in the foreground) and changing light conditions.

The patented algorithms that address the important issue of varying light conditions are now available to suppliers of Digital Video Recorders, CCTV cameras and other surveillance equipment in a standalone module called FAMS (False Alarm Minimization System) for use with Motion Detection, Object Tracking and other similar surveillance applications.

Earlier this year in Canberra, Australia's capital city, over 700 of the country's top dignitaries and politicians were invited to attend a "Security in Government" conference at the National Convention Center. The Attorney General's Department, which convened the conference, also had the task of ensuring the safety and security of this elite audience and traditionally would have guarded the event with a battery of CCTV cameras.

In choosing iOmniscient to assist with the security of the venue, the Conference Convener, Mr. Wayne Olsen, said this of the improved security. "We had to ensure that we could identify and respond to any threat instantaneously and the iOmniscient system was key to us being able to identify all threats pre-emptively so that we could take action before there was an incident."



"Having CCTV cameras installed is like having a large number of eyeballs around. iOmniscient's unique product is like the brains behind the eyeballs, as it makes sense out of what the camera sees".

To improve overall safety of monitored areas and maximize an operator's detection rate, the system uses a simple interface to draw the Security Officer's attention to the camera on which a potentially threatening object is visible. It can instantaneously determine exactly when the item was left and can identify the person who left it there.

To further mimic the behavioral patterns of human security operators, the system uses statistical algorithms that allow it to continue learning about the ever-changing background environment. Over time, this enables it to become even more intelligent in how it copes with new transient situations.

Working off existing CCTV infrastructure, the system can interface effortlessly with most DVR systems, making it a cost-effective add-on for any security environment.

About the Company

iOmniscient Pty Ltd is an Australian company set up in 2001 to develop advanced tools for the Surveillance and Security industry using Artificial Intelligence. Originally developed in conjunction with the Australian Government's Center for Signal Sensing and Information Processing, the system has drawn wide interest from security organizations, and commercial and government users as remote from Australia as Israel, Europe and the UK.

Please visit <http://www.iomniscient.com> for additional information.