

## Case Study: iOmniscient

### Intelligent Surveillance Technology Improves Security

Founded in 2001, iOmniscient has developed a unique technology that analyses the video feed from a surveillance camera to detect significant and suspicious events. The technology makes a surveillance system more than a recording device: it becomes a proactive and preventive tool for improving the quality and effectiveness of surveillance operations. By alerting the user to events as they happen, operators are able to take immediate action and even pre-empt disasters.

iOmniscient's unique solution will work with any existing surveillance infrastructure and uses commercial off the shelf hardware. The system uses a combination of an internationally patented Non-Motion Detection (NMD) technology to detect stationary security threats while ignoring motion and an intelligent video motion based technology to analyse the motion in an environment. The software is able to handle complex dynamic environments where there might be swaying trees, changes in lighting, shadows, or water.

The NMD software is able to perform detection of left objects, theft detection, graffiti and vandalism detection, detection of parking violations, in busy and crowded scenes, despite constant heavy movement in front of and around the object and even though it may be fully obscured for periods of time. This is a unique capability.

iOmniscient also has a suite of intelligent video motion detection based software capable of performing a large range of applications including: intrusion detection / perimeter protection with tracking, behaviour analysis to detect abnormal or suspicious behaviour such as loitering or sudden running, directional alarms for people / vehicles travelling in the wrong direction, slip & fall / "man-down" detection, crowd / traffic management with alarms for overcrowding or congestion, and human or vehicle counting.

iOmniscient has won international recognition, and their products are now recognised as the most intelligent surveillance software available in the market place.

From its main office in Sydney, iOmniscient has expanded to offices in the USA, Canada, Europe and Asia. The company has received numerous awards from around the world and has been featured on the Discovery Channel. Not only have they won awards for innovation, technology and best products in the security industry, but also awards such as the 2005 NSW Australian Technology Showcase Patrons' Award which recognises members who have had substantial success in the international market.

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