



**May 2010**

**Finalist IFSEC Award**



The IFSECs Award committee has yet again selected iOmniscient as a Finalist for their annual awards which will be announced on 10th May 2010. This time it is in the **Best Project category** for the successful implementation of the world's fastest train line in China, covering over a 1000 kms of track over which the train runs at an average of 350 km/h.

The iOmniscient system uses cameras placed strategically along the track and particularly at road junctions, bridges and the entrance and exits of tunnels to monitor the track. The environment that the track travels through is very harsh. The main reason that iOmniscient was selected was because of its **NAMS capability** its nuisance alarm minimisation system. China Rail could not afford unnecessary false alarms which would have slowed down the operation.

KJ Liang, the Project Manager for China Railway Signal & Communications Corp which was responsible for the implementation said: **"Your implementation team has given us tremendous and timely support throughout the entire deployment. The system is configured to achieve a very good result with high satisfaction. iOmniscient's IQ system has proven to be very accurate and reliable with a very low false alarm rate even in our difficult environment. Moreover, the level of service and expertise provided by your team is superb."**

## Important Events in UK

### IFSEC Exhibition, NEC Birmingham

**Venue:** Hall 4, Booth i-10  
**Date:** 10 -13 May, 9.30am - 5.30pm

### Enlightenment Seminar



This seminar will provide an insight into the latest trends in Video Analysis including details on the workings of its system for Facial Recognition in a Crowd. Participants in the seminar will receive a free CD copy of "Automated Surveillance" the first comprehensive book on the subject.

**Venue:** NEC Concourse Suite 20  
**Date:** Wed. 12 May, 1.30pm - 4.00pm

### IFSEC Special Seminar

This is a special seminar which focuses only on Facial Recognition in a Crowd

**Venue:** IFSEC Seminar Theatre  
**Date:** Mon. 10 May 1.00pm - 1.30pm

### 2-Day Technical Training Seminar

Hands-on training session will be conducted

**Venue:** Holiday Inn Express, NEC Birmingham  
**Date:** 13 -14 May. 9.00am - 5.30pm

For details on any of the above contact [info@iomniscient.com](mailto:info@iomniscient.com)

**Contact us on:**  
[www.iomniscient.com](http://www.iomniscient.com)  
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# Newsletter

## Airports continue to choose iOmniscient

Airports around the world continue to choose iOmniscient and last month was no exception with 3 major airports placing orders for Video Analysis. They were **Kuala Lumpur in Malaysia, Abu Dhabi in the UAE and Antalya in Turkey.**

Kuala Lumpur International Airport (KLIA) has decided to use iOmniscient's IQ series software for their latest security upgrade. After an extensive search and evaluation process which involved visiting airports around the world they selected iOmniscient's video analysis system.

With a range of applications in mind KLIA will be implementing some of the simpler applications as well as IQ Infinity for the most complex scenes. iOmniscient's partner, GTC Global is the systems integrator for this project.

Smart TR is the Integrator for Antalya Airport which will also implement a wide range of applications.

Perhaps the most comprehensive implementation will be at Abu Dhabi. The coverage for this project extends to the Car Parks and involves Identification and Detection technologies. The integrator in this case is Atlas Telecom.

Dr Rustom Kanga, iOmniscient CEO, commented that **"airports can be very complex environments. In particular they have to cope with very crowded scenes. If accurate counting is difficult when there are one or two people to be counted it can be much more difficult to count crowds. If detecting abandoned luggage is difficult in an empty scene, it is even more so in a crowd. If faces are difficult to recognize accurately when a single face is presented to a camera, it is far more difficult to do it in a crowd. Yet working in crowded scenes is iOmniscient's speciality - this is where we have most of our patents and this is the reason organizations with complex requirements such as airports and railways use us."**

## Comprehensive Airports Applications from iOmniscient



iOmniscient offers the widest range of Video Analysis Applications covering every aspect of an airports' operations. Unlike most systems that merely provide Motion Detection or recording, the iOmniscient system can provide a complete solution for specific problems.

An airport is like a small city with many different requirements. For instance they have to manage roads, car parks, warehouses, run ways and so on.

For each of these areas there are a number of applications available from iOmniscient.

### Security

- Crowded Terminal: Facial Detection & Recognition in a crowd and in an uncontrolled complex terminal environment
- Crowded Terminal: Abandoned objects
- Access Control: Trespassing, Wrong way and Tailgating
- Access Control: Suspicious behavior, loitering, etc in the Quarantine, no-go and restricted areas
- Access Control: Intrusion detection - hangars, runways, baggage handling etc
- Baggage Handling: Theft detection via carousel openings

### Operations

- Quarantine Control: e.g. left objects and objects being thrown into restricted areas
- Quarantine Control: Automatic Fever check - be able to provide an automatic scan (without human intervention) using thermal camera for large groups of travelers in an un-controlled environment. With an additional color camera (with the required specifications) for the same scene, one can identify the person with the high fever using facial recognition and give an immediate alert
- Airlines and Immigration Check-ins - Queue management/average wait times for Passenger Queue
- Retail and main traffic Areas - People counting and crowd management with comprehensive reporting
- Vandalism/Graffiti detection
- Surveillance System Health Check to prevent camera tampering or sabotage
- Main traffic Areas: Abandoned trolleys and object detection, lost & found, etc in Passenger Drop Off areas, Bus depots or Taxi stands
- Aircraft Management: Automatic Aircraft metering to understand the time each plane spends at the terminal
- Aircraft Maintenance: Theft Prevention of expensive machinery or equipment even during busy working hours
- Cargo Terminal: Use ANPR to record and register all vehicles entering/leaving cargo pickup/drop off areas

In Car Parks one has to be able to detect people loitering and breaking into vehicles. In warehouses one needs to detect theft of inventory. On the roads one may need to detect vehicles that are speeding.

The above are examples in just two functions within an airport. For a more complete list of applications available for an airport please contact [info@iomniscient.com](mailto:info@iomniscient.com)

**See Through the Crowd**