SPHERA SERVICE

Connette il mondo ai tuoi Interessi

iOmniscient has won international recognition as having developed the most intelligent software available in the market. Our suite of products offers the entire range of Video Analytics. The capabilities of our Genius Range have been heralded as pioneering the next generation of intelligent surveillance.
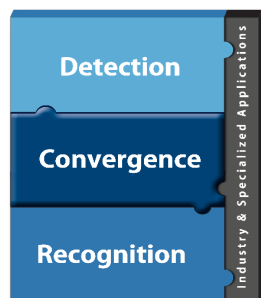
1 Most Comprehensive Set of Applications in the Market

iOmniscient offers the most comprehensive range of products in the industry. From the most complex behavior analysis to multi-lingual License Plate Recognition and Face Recognition in a Crowd, from simple video management systems to automated response systems, if any analysis can be performed using video, iOmniscient can provide this. It is a one stop shop for Video Analytics. With each individual application, iOmniscient endeavors to be the best in class.

2 Can Cope with Crowded and Complex Scenes

iOmniscient's internationally patented algorithms are designed to specifically work in crowded, complex and realistic scenes. Where others can find an abandoned bag in an empty room, iOmniscient can do it in a crowd, where others can count individuals, iOmniscient can count crowds, and where others require a controlled environment for recognizing a single face, iOmniscient can recognize multiple faces in a crowd from a distance.

3 Nuisance Alarm Minimization System (NAMS)
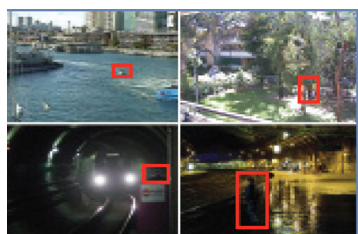
All iOmniscient products are armed with a Nuisance Alarm Minimization System (NAMS) to reduce false alarms. This capability allows the system to operate in very difficult environmental conditions.

4 See the Invisible

iOmniscient's most advanced systems (which are also patented) can detect low contrast objects that may not be visible to a human.

5 Face Recognition in a Crowd

iOmniscient developed the world's first many-to-many recognition system for faces in crowded and complex scenes. The system excels in uncontrolled environments with variable lighting, continuous movement, low resolution (just 22 pixels between the eyes) and variable facial angles. Its patented capability can recognize faces by comparing them against numerous faces in multiple databases.
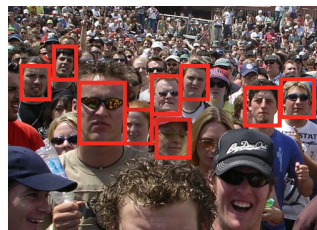
6 Multi-lingual License Plate Recognition
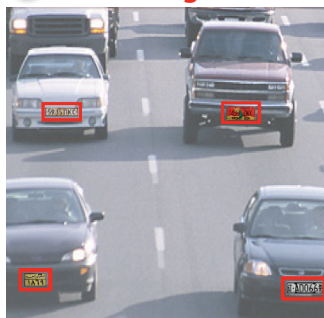
iQ-LPR is a highly accurate multi-lingual License Plate Recognition system which can detect and automatically read the required characters in any images. The system will recognize the presence of a vehicle when it approaches (without any external trigger) to read the plate and compare it against multiple databases.

7 Automated Surveillance with Simultaneous Detection and Identification

iOmniscient's iQ-Hawk system uses patented technology to automate the surveillance of detecting particular events and the subsequent identification of individuals and vehicles involved on the same camera. This unique technology has the ability to reduce storage and network bandwidth (by a factor of 200 for a 5 megapixel camera), changing the economics of surveillance.

8 Integrated VMS/ Comprehensive Health Check
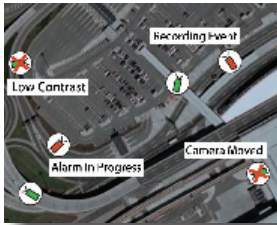
iOmniscient can provide an end-to-end solution including a world class Video Management System (VMS) which acts as the foundation of its Video Analytics system. All cameras can be protected by a very sophisticated Health Check system which can even tell if the cameras are out of focus, vandalized or ineffective due to inclement weather and display these on a map of the environment. The system can work simultaneously in Real Time and in Forensic Mode.

9 Jump to Event

The system has the ability to pinpoint and extract the video of an event at the click of a single button, even if the event occurred many hours (or even days) before.

10 Understands Perspective

For accurate analysis, the system can understand perspective using a single camera, even in a two dimensional view with higher cognizance than so called 3D and 4D systems which often require multiple cameras.

11 Flexible and Open Architecture
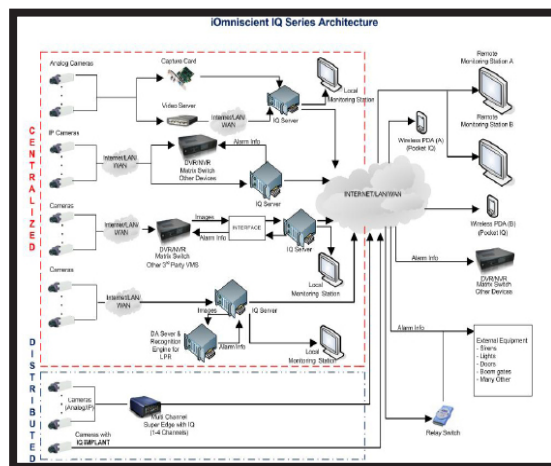
➤ Provides universal connectivity - supports numerous camera brands including analog and IP.
➤ Supports images in any part of the spectrum including Thermal, Infrared, B&W, Color, Low light etc.
➤ Infinite scalability - from a few to thousands of cameras.
➤ Can be totally Distributed (on the edge), Centralized (on the servers) or Hybrid.
➤ Acts as an ADD-ON to legacy systems.
➤ Easy interface with any 3rd party system.
➤ Never obsolete with its regular upgrade service.
➤ Requires NO proprietary hardware.

See Through the Crowd

12 Technological Leadership

iOmniscient has patents on significant algorithms and concepts (rather than on just the GUI or the system's operation) and a huge ongoing investment in R&D to ensure that it maintains its leadership in the market. It continues to win international awards (including the Global Security Challenge for Crowded Places and the IFSEC UK Best CCTV Technology) which stand as testimony to the company's reputation in the market. If the technologies supplied by the next ten suppliers of Video Analytics were put together, they still cannot equal the current integrated capability of iOmniscient.

13 Comprehensive Industry Specific Solutions

iQ-Airport iQ-Retail
iQ-School iQ-Prison
iQ-Police iQ-Museum
iQ-Car Park iQ-Bank
iQ-Smart City iQ-Port
iQ-Road & Traffic
iQ-Utilities iQ-Oil & Gas
iQ-Events
...and many more

For each industry, iOmniscient has studied their unique requirements and built specific applications. Whether it is a fraud detection system for bank ATMs or a queue management system for the airport, iOmniscient provides a total video based solution that is designed to provide a tangible result.

iOmniscient systems go beyond security by providing safety solutions (e.g. Slip & Fall Detection), operational solutions (e.g. Queue Management Systems to improve people and vehicular traffic) and systems that generate information for marketing based on a count of people movement. Recognizing that there are many different interests in any environment, the iOmniscient system provides **ONE integrated solution** across all departments and stakeholders.

14 24 x 7 Global Support

iOmniscient has structured its teams to provide global round the clock support. All systems can be diagnosed and maintained remotely through a specially designed secure link (that is authorized by the user), greatly reducing their overall cost of managing and maintaining them.

15 Happy Customers

The entire iOmniscient team shares the primary goal of ensuring that every customer engagement is a memorable one. The growing list of reference accounts is a proof of iOmniscient's greatest strength – its commitment to ensure that customers are satisfied.

iOmniscient
High iQ Surveillance
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