Autonomous Privacy Protected Multi-sensory AI based Analytics

Powered by

Intel's Alliance Partner of the Year

iOmniscient has a portfolio of video, sound and smell analytics solutions for 300+ uses cases. And all all iOmniscient solutions:

- Are **Privacy Protected**
- Provide a **Trusted Autonomous Response** – finding the nearest appropriate responder and telling them where to go and what to do
    - Including Nuisance Alarm Minimization System (**NAMS**) to reduce false alarms by a factor of 100. Critical for an autonomous system
    - Operating as one giant brain where all sensors can work co-operatively supporting each other
- Can uniquely **work in a Crowd**
- Can **do more with less** – 5 to 10x fewer cameras, 90% less storage & Network Bandwidth, 30 to 80% increase in labour productivity, no 3rd party GPUs.

… And all these features are internationally patented through **iOmniscient's 70+ international patents.**

General Solutions include:

IQ-Safety

- Finding Lost Children in a Crowd*
- Evacuation Management System (very accurate counting)*
- Detecting spills in a crowd*
- Detecting Slips and Falls
- Fever Detection in a Crowd
- Smoke and Fire Detection
- Gas Leak Detection

IQ-Security

- Perimeter Protection/ Intrusion detection including being able to differentiate true intruders from guards*
- Unauthorised persons in an area

IQ-Preventive Maintenance

- Autonomous stopping of escalators due to debris
- Detection of Equipment wear and tear
- Detection of gas and liquid leaks
- Elimination of rodents

Behaviour Analytics

- Detection of complex behaviours in crowded scenes
- Recognition of persons involved in or witnessing behaviours in crowded scenes
- Tracking of people and vehicles on non-overlapping cameras (eg to find a lost child)

Counting

- Directional Counting of people of vehicles based on categorization
- Counting in Crowds
- High Accuracy Counting for Evacuation Management (99.9%)
- Demographics (Gender and Age)
- Dwell Time (understanding how long people spend in different areas)

IQ-Access

- Contactless Access Management in a crowd
- Fraud Proof
- Immune to Privacy breaches
- Ideal for multi-facility/ multi-national organizations.

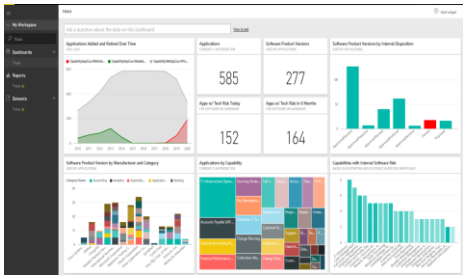
IQ-Health Check

- Understand the status of every camera on a dynamic map
- Tamper & sabotage detection
- Warning against poor visibility due to inclement weather

IQ-Mobile

- Mobile app for Face Recognition and License Plate Recognition
- Receiving of Alarms and other information

Comprehensive, Flexible Dashboard providing Real-Time and Forensic Information



PLUS Industry Packs for 30 Industries which include:

IQ-Event Management

- Crowd Detection and Crowd Counting even in a stationary crowd
- Variations in Crowd Flow
- Sudden increases or decreases in the crowd
- Queue Management

IQ-Roads

- Multi-lingual License Plate Recognition
- Traffic Management
- Congestion Detection
- Detection of debris on the road
- Red Light Violation
- Speed Detection
- Stolen Vehicle Detection

IQ-Retail

- Customer Analytics/ Customer Flow/ Dwell Time
- Demographics
- Targeted Advertising
- Management of Logistics, deliveries and Distribution
- Detection and reading of QR codes

IQ-Parking Management

- Multilingual License Plate Recognition (130 countries)
- Automatic Access Management
- Locating empty spots
- Detecting Accidents and Fights

… And Many More

And the iOmniscient Video Management System (IQ-VMS) comes FREE with your analytics.