iOmniscient

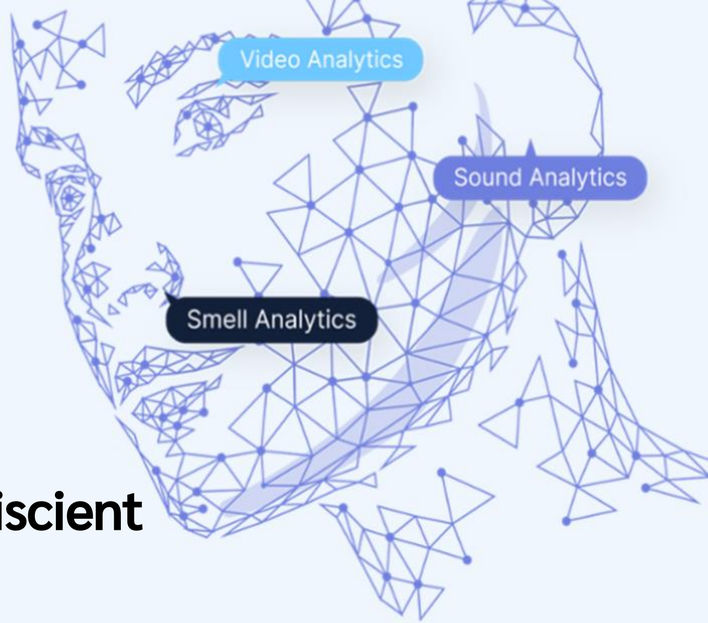
Crowd Management

Helping with Preventive Measures
Providing Alert Systems when an accident happens
Ensuring a very Fast Response after an accident



iOmniscient

Table Of Contents



1 Smarter Crowd Management

2 Crowd Awareness

3 Detection in a Crowd

4 Autonomous Response

5 About iOmniscient

Click a number and go to the page

iOmniscient

Smarter Crowd Management

Monitor, detect and respond in crowded environments
- Effective crowd management helps Maintain Safety and smooth movement in busy environments.

01 **MONITOR**

Monitor crowd density and movement in real time.

02 **DETECT**

Detect overcrowding, unusual movement or emerging risks.

03 **RESPOND**

After an accident, autonomously find the appropriate responder and tell them where to go and what to do.



iOmniscient

Read the Crowd

Multi-sensory awareness of density and movement



Advanced multi-sensory analytics (video, sound and smell) manage crowds by counting people and understanding crowd density.

Detect changes in crowd flow, sudden crowd formation and sudden crowd dispersal.

Coping with crowds is an internationally patented iOmniscient capability.

iOmniscient

Detection in a Crowd

Distinct safety and security capabilities

OBJECTS & INCIDENTS

01 Abandoned object detection in a crowd

02 Theft detection in a crowd

03 Graffiti and vandalism detection in a crowd

PEOPLE & CONDITIONS

01 Face recognition in a crowd

02 Fever detection in a crowd

03 Counting in a crowd

iOmniscient

Autonomous Response

Direct the right responder while protecting privacy

AFTER AN ACCIDENT

1. After an accident, the system autonomously finds the appropriate responder
2. And tells them where to go and what to do



No person can be recognized by an operator. The system stays aware and can raise alerts for safety issues.

©2026 iOmniscient Corporation

About iOmniscient

Partnership

All iOmniscient Products run exclusively on Intel based computing hardware using OpenVINO™

- The use of Advanced AI technology that goes beyond Deep Learning enables iOmniscient to run its systems without the need for 3rd party GPUs.
- This reduces the power required by a factor of 16 – resulting in a 16-fold reduction in the carbon footprint.
- This is just one part of a multi-faceted program to help customers to implement Sustainable Systems.

www.iomni.ai

enquiries@iomni.ai

©2026 iOmniscient Corporation

About iOmniscient

- iOmniscient is an **Ethical AI** company.
- It offers **multi-sensory (video-sound-smell) Artificial Intelligence based analytics for Autonomous Systems.**
- It focuses on ensuring **Outcomes** for its customers.
- With **over 2 decades of experience,** iOmniscient systems have been demonstrated to be **robust,** operating with high accuracy and few false alarms specially in **complex and crowded** environments.
- By design, its systems **reduce the cost of infrastructure** required:
  - they can use existing cameras
  - they require fewer cameras with lower resolution
  - they require 90% less storage and network bandwidth
  - they are computing light and require no GPUs
  - they allow autonomous operations requiring fewer personnel to operate
- iOmniscient has implemented projects in **70 countries.**
- With over **70 international patents** many of its capabilities are unique and unavailable from any other source.





iOmniscient