

Smart Precincts & Gated Communities

iOmniscient

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iOmniscient

Introduction & Technology

- Delivers multi-sensory AI solutions proven in over 70 countries since 2001
- Provides robust, high-accuracy analytics tailored to specific community needs, even in complex environments



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Safety & Security

- **Security:** Provides databaseless access management and intruder identification
- **Crime Detection:** Real-time detection of theft, vandalism, graffiti, and fighting within crowds
- **Asset Protection:** Features preventive maintenance for facility equipment like escalators



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Operations & Efficiency

- **Facility Management**: Manages cleanliness via overflowing bin detection and smell-based washroom monitoring
- **Optimization**: Optimizes staff deployment through visitor flow analysis
- **Control**: Integrates car park, road traffic, and energy-efficient lighting management



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System Intelligence & Ethics



- **Autonomous Response:** Identifies and directs the appropriate responders to the exact incident location with instructions
- **Privacy Protection:** Ethical AI design that raises safety and efficiency alerts while ensuring operators cannot identify individuals

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Competitive Advantage



Minimizes expenses by utilizing existing CCTV infrastructure, requiring no GPUs, and supporting low-resolution cameras

<Cost Efficiency>

Reduces storage and network bandwidth by 90% and enables smartphone-based control room functionality

<Operational Ease>

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iOmniscient & intel

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

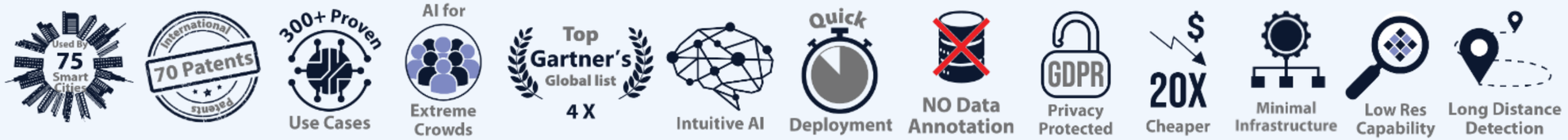
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About iOmniscient

- 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.





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