iOmniscient

WHY CHOOSE iOmniscient

Proven multi-sensory AI with lighter infrastructure
and autonomous response



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Autonomous Response

Direct the right person when an event occurs

80%

Response times can be reduced by 80%

ROUTING

The system finds the appropriate responder, including police or fire brigade.

DIRECTION

It tells that responder where to go and what to do.

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Ethical AI

Operators cannot recognize protected people

PRIVACY WITH AWARENESS

The system remains aware of its environment
And can make decisions.

All iOmniscient systems protect privacy.



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Lower Cost by Design

Use existing CCTV and less supporting infrastructure

90%

Less storage and network bandwidth by design.

Autonomous operations also require fewer personnel.

FEWER CAMERAS

Requires fewer cameras with lower resolution.

NO GPUs

Computing-light analytics do not require GPUs.

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Operational Productivity

Customer outcomes, fewer nuisance alarms and faster action

200%

OPERATIONAL PRODUCTIVITY

can increase by 200%

OUTCOME FOCUS

Customer outcomes rather than product sales

NAMS

Nuisance Alarm Minimisation System

FEWER FALSE ALARMS

Reduces false alarms and enhances accuracy

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Multi-Sensory Analytics

Video, sound and smell create a wider view

VIDEO, SOUND AND SMELL CREATE A WIDER VIEW

VIDEO

Behaviour and face analytics in crowds.

License plate recognition
for 130 countries.

SOUND

Recognises 30 different sound types.

SMELL

Smell analytics cover an infinite number of smells.

iOmniscient strives to be best in class in every category.

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Integrated Intelligence

Video, sound and smell share environmental knowledge



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Crowded Scenes & Mobile Analytics

Patented analytics for complex scenes and moving sensors

SEE THROUGH COMPLEXITY

Multiple international patents support analytics for crowded and complex situations.

Mobile analytics can run on drones, body-worn cameras and robots.



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Industry Applications

Ready use cases span many operating environments

300+

Off-the-shelf use cases across more than 30 industries.

30+

Industries include retail, mining, transport and smart cities.

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Global Proof

Deployed internationally with a large patent portfolio



70+

International patents. Many capabilities are un ique and unavailable from other suppliers.

70

Countries with implemented projects.

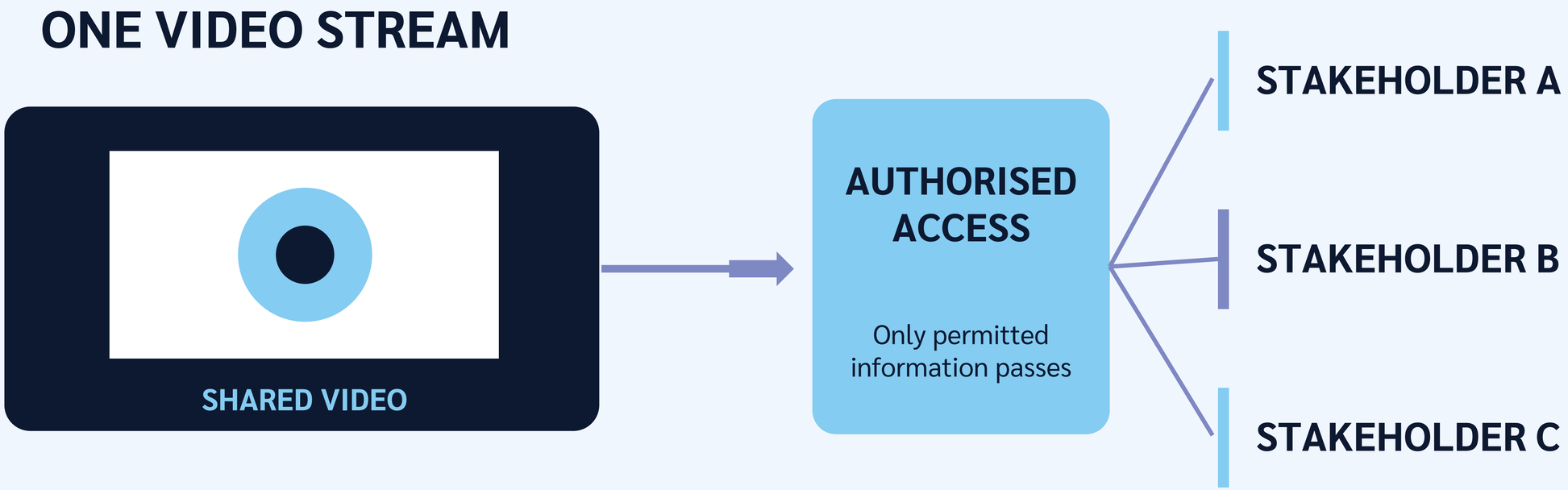
20+ YEARS

More than two decades of AI experience;
many Smart Cities suppliers use its technology.

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Shared Video Utility

One stream, controlled information for each stakeholder



Each stakeholder receives and pays only for authorised information.
Confidentiality remains protected.

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Implementation, Support & Security

From system design to worldwide support

01

DESIGN

Risk assessment, business process re-engineering and integrated design.

02

IMPLEMENT

Turnkey system implementation.

03

SUPPORT

24x7 worldwide support.

SECURITY R&D centres: Canada, India and Australia. Products are developed, built and tested in democratically safe countries, with final testing in Australia. iOmniscient states that its products have no security backdoors.

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Beyond Deep Learning

Reduce the training burden with alternative AI methods



LESS DATA.
FASTER SETUP.

Advanced methods require minimal datasets and labelling.

Implementation can be quick without excessive training.

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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

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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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