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iQ-DWELL TIME

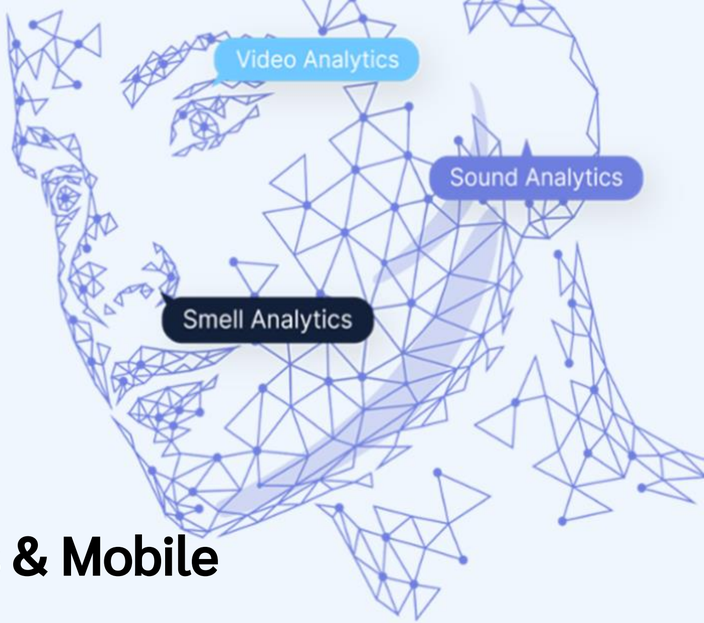
(Data Sheet)

Customer profiles, dwell time and staff productivity



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Table Of Contents



1 Retail Benefits & Resource Efficiency

2 Customer & Staff Insight

3 Privacy & Camera Health

4 Camera & Hardware

5 Connections & Mobile

6 Licensing & Capacity

7 Scaling & Extensions

8 About iOmniscient

Click a number and go to the page

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Retail Visitor Intelligence

More than a counting system



IDEAL CUSTOMER

Know when a customer with the ideal profile enters the store.

DWELL + PEAK TIMES

Understand how long different types of customers stay and their peak visiting times.

STAFF PRODUCTIVITY

Understand how often staff are in or out of the store.

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Coverage and Resource Requirements

Analytics coverage and infrastructure efficiency

20 m / 100+

Perform analytics from 20 m(60 ft) in a crowded environment with 100+ people in view.

LOWER RESOURCES

Designed for zero incremental cost.
No GPU.
90% less storage.
90% less network bandwidth.
Significantly fewer cameras.

16 TIMES

16 times less power and 16 times lower carbon footprint.

Fully privacy protected and GDPR compliant.

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Customer and Staff Insight

Reports and mobile alerts by visitor profile

CUSTOMER PROFILE

Understand visitor gender and age. Alert staff on their mobile phones when someone with the ideal profile enters.

DWELL REPORTS

Report how long people spend in the store, broken down by gender and age.

PEAK TIMES + STAFF

Understand when the store is most crowded and when particular demographics visit.

Understand how often staff are in or out of the store.

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Privacy and Camera Health

Protect identity and detect unavailable camera views

PRIVACY

Privacy is always protected.

No individual is ever identifiable or identified.

CAMERA STATUS

Know at once if cameras stop working or can no longer see.

EXAMPLES

Detect loss of view caused by sabotage, damage or a spider web over the camera.

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Camera and Hardware Requirements

Requirements for a two-camera store setup



2 × CCTV CAMERAS

Two ONVIF-compliant CCTV cameras.
2 MP resolution.
12–22 mm motorized varifocal lens.



SUPER EDGE + ROUTER

One Super Edge Computer for up to 2 cameras.
One 4-port PoE router with Wi-Fi and
SIM-based internet access.

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Connections and Mobile Response

Camera connections, processing and staff notifications

CAMERAS TO ROUTER

Two cameras wired to the PoE router.

ROUTER TO SUPER EDGE

The signal goes from the router to Super Edge by Wi-Fi.

iQ-MOBILE

Send results over the internet to iQ-Mobile.

A staff app receives alerts when customers with ideal profiles arrive.

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Licensing and System Capacity

Licensing model and daily processing capacity

VIDEO STREAM

The iQ-Healthcheck application is licensed per video stream.

MOBILE DEVICE

The iQ-Mobile App is licensed per mobile device.

CAPACITY

Maximum 5,000 people per day.
Peak load: 3,600 people per hour.

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Scaling and Additional Functionality

Extend coverage or request more advanced functions

CAMERA COVERAGE

Add more pairs of cameras.

Multiple doors or extra-wide doors can be covered, with professional setup help from iOmniscient.

HIGHER TRAFFIC

Scale up hardware for higher traffic.

Contact iOmniscient for incremental hardware requirements.

ADVANCED OPTIONS

Correlate store traffic with actual sales to understand staff productivity.

Correlate digital-display advertising with approaching visitors' demographics.

Contact iOmniscient for other functions.

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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

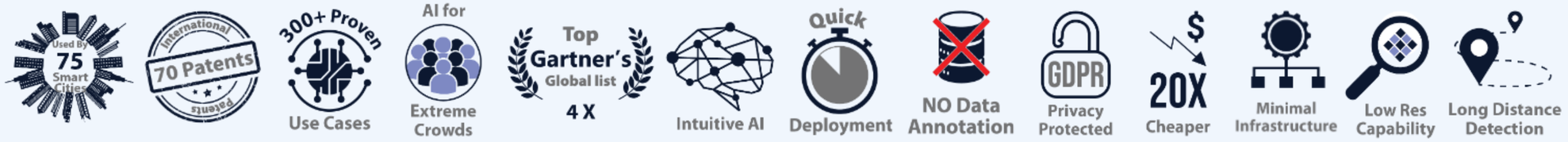
enquiries@iomni.ai

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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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