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iQ-HEALTHCHECK

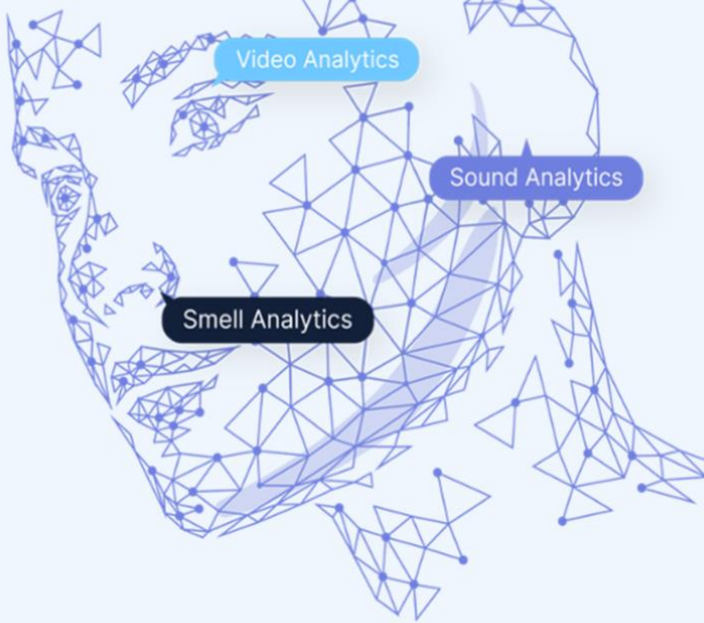
(Data Sheet)

Camera availability, tamper and visibility monitoring



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Camera Health Awareness

Know when cameras cannot provide the required view



PRE-EMPTIVE AWARENESS

Organizations need to know when cameras are not operational, whatever the reason.

SYSTEM READINESS

Receive this information pre-emptively so the system can be checked before it is needed.

MAINTENANCE PRIORITIES

Use malfunction details to prioritize maintenance tasks and plan work across the CCTV camera network.

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Detected Conditions

Three groups of camera health issues

ACCIDENTAL

Camera out of focus.
Camera disconnection.
Camera moved accidentally.
Camera malfunction.
Spider’s web over the lens.

PURPOSEFUL

Tamper detection.
Covering of the lens.
Painting over the lens.

ENVIRONMENTAL

Scene with insufficient contrast.
Rain, fog, dust or snow.
Camera shake due to strong winds.

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Camera and Computing Requirements

Camera and hardware requirements by configuration

SME CONFIGURATION

CAMERA REQUIREMENTS

Any ONVIF-compliant CCTV camera.

HARDWARE REQUIREMENTS

One ruggedized Super Edge Computer supports up to 6 cameras.

MAINTENANCE CONFIGURATION

CAMERA REQUIREMENTS

Any camera, including analog cameras.

HARDWARE REQUIREMENTS

Hardware requirements follow those of iQ-Infinity.

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Alarm Delivery

Locate the affected camera and view the event

iQ-CLIENT

Show alarms for detected events in the iQ-Client.

ASAP MAP

Display the specific camera location on a map.

Click the camera icon to receive th e Jump-to-Event video for that event.

EMAIL + MOBILE

Send an alarm image by email to an authorized recipient.

Send an alarm image to a smartphone running the iQ-Mobile App.

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Mobile Video and Licensing

Connection conditions and application licences

JUMP TO EVENT

On iQ-Mobile, click the alarm to receive video when the smartphone is on the same Wi-Fi as the server, or the server has a fixed IP address.

VIDEO STREAM

The iQ-Healthcheck application is licensed per video stream.

MOBILE DEVICE

The iQ-Mobile App is licensed per mobile device.

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Maintenance Planning System

Send defect information directly to a Service Ticket system.

CAMERA DETAILS

ID number
Make and model
Location: GPS / address
IP address

FAULT & WARRANTY

Defect issue:
Malfunction, out of focus, lens obscured, camera moved, etc.

Warranty status

PREDEFINED REMEDY

Agreed with the maintenance services organization during system setup.

Adjust camera field of view, replace or repair the unit, clean the lens, or reconnect to the network.

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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

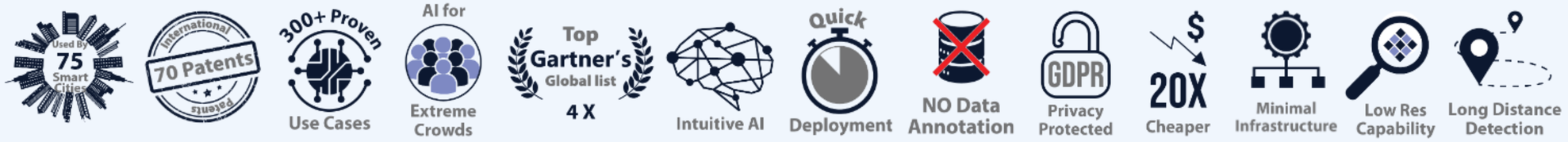
enquiries@iomni.ai

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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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