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iQ-SMOKE AND FIRE

(Data Sheet)

Video-based smoke and fire detection



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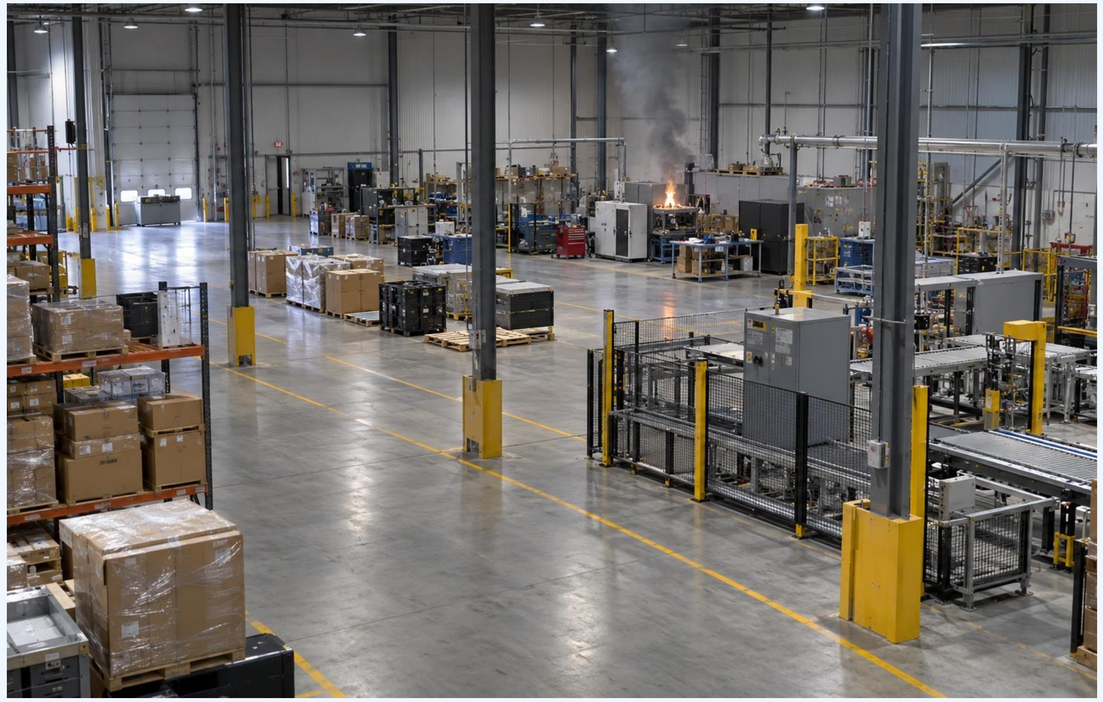
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Smoke and Fire Detection

Detect the event and send the alarm to a smartphone



FUNCTION

Detect smoke and/or fire. Send an alarm as a message or Jump-to-Event video to a smartphone.

STANDARD

For indoor environments, such as basements, with little or no continuous change in lighting.

ADVANCED

For both indoor and outdoor environments.

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Visibility and Obscuration

Detection depends on the event being visible to the camera

OBSCURATION

Ignore movement from humans, animals, vehicles and other objects that may partially or totally obscure smoke or fire from time to time.

CAMERA

The camera must be able to see the event.

A low-light sensor is recommended for both Standard and Advanced versions.

28 PIXELS

In all cases, the incident must be visible with a height of 28 pixels in the image.

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Computing Requirements



SUPER EDGE

One Super Edge Computer supports up to 6 cameras.

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Alarm Delivery

View the alarm and retrieve the relevant event video

iQ CLIENT

Display generated alarms on an iQ Client System.

Click the alarm icon to receive the Jump-to-Event video.

ASAP MAP

Display the specific camera location on a map.

Click the camera icon to receive the Jump-to-Event video.

EMAIL + MOBILE

Send the alarm with an image by email to an authorized recipient or to a smartphone with the iQ-Mobile App.

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Mobile Video Access 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-Smoke and Fire application is licensed per video stream.

MOBILE DEVICE

The iQ-Mobile App is licensed per mobile device.

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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

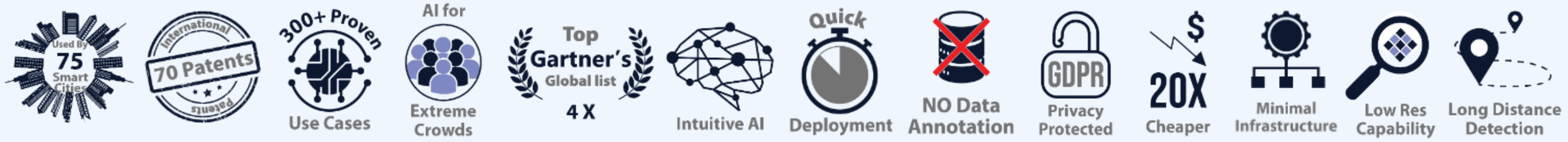
enquiries@iomni.ai

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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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