iOmniscient

iQ-Smoke and Fire

Detect smoke and fire in difficult environments



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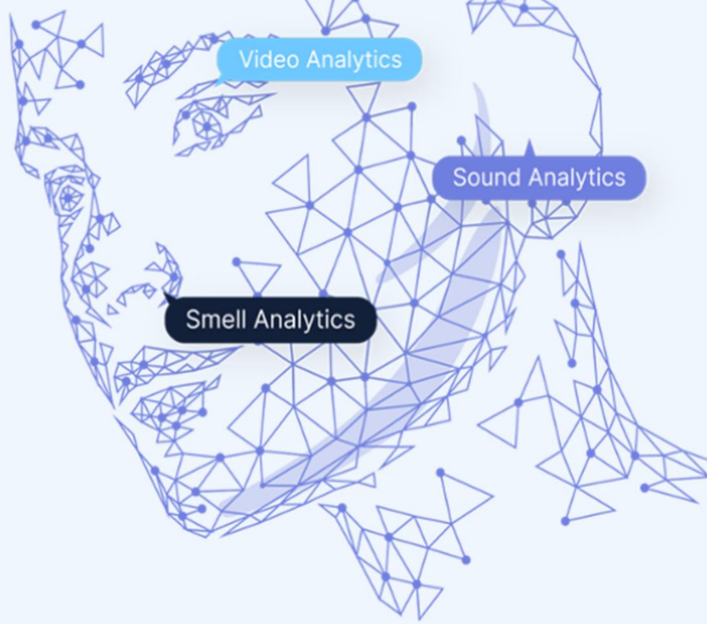
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Detect Where Detectors Struggle

Smoke and fire detection for difficult spaces



CONVENTIONAL DETECTORS

Detect smoke or fire when traditional analog detectors are not effective or cannot be relied on.



OPEN / HIGH-CEILING SPACES

Useful outdoors and where the ceiling is too high for conventional detection.

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See Through Obscuration

Focus on smoke and fire amid ordinary scene movement



MOVEMENT IN THE SCENE

Ignore movement of humans, vehicles, animals and other objects in the scene.

PARTIAL OR FULL OBSCURATION

Still correctly pick up smoke or fire when it is partially or fully obscured for periods of time by people or other objects.

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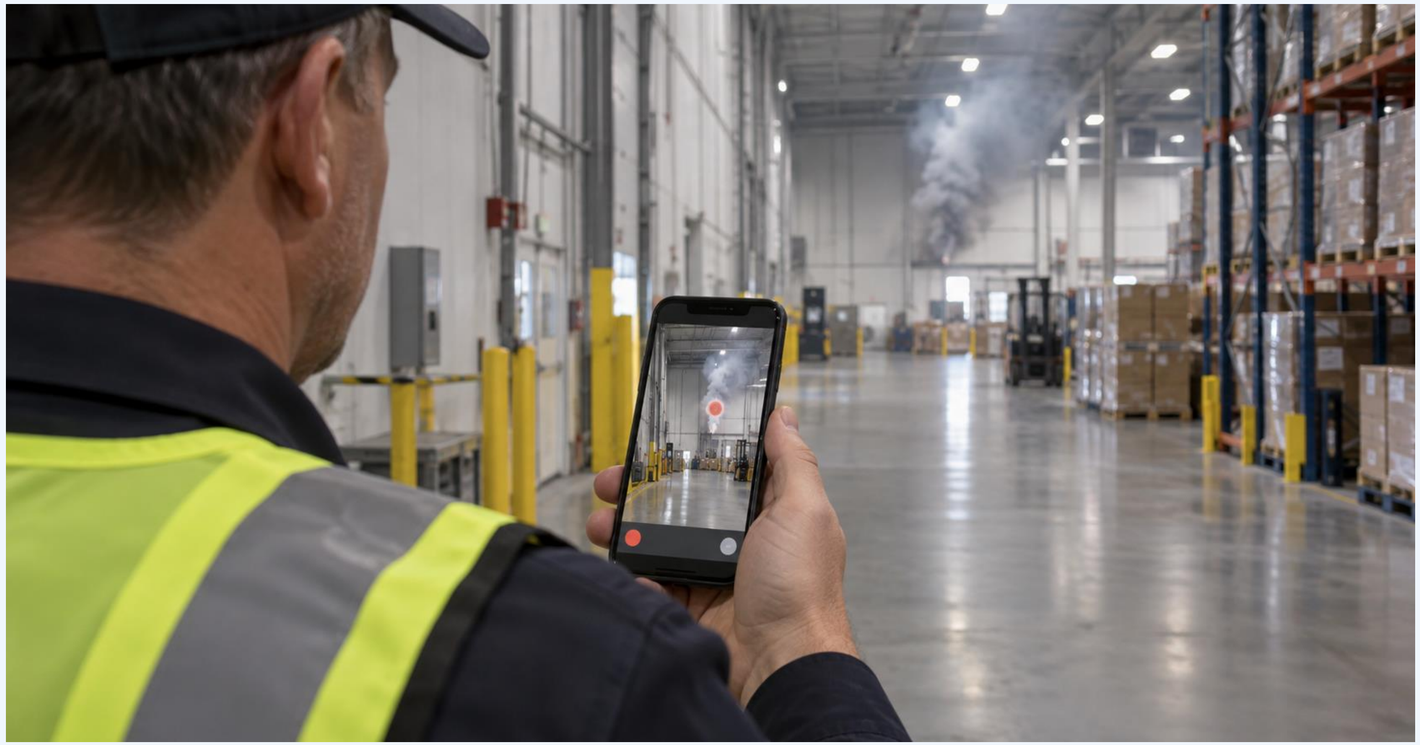
An Event in Context

An alarm arrives with the beginning of the video

ALERT

Alarms including video of the start of the event can be received on a Smart Phone.

VIDEO FROM THE START
IMMEDIATE CONTEXT



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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

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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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