

VAIDIO® AI VISION PLATFORM

Vaidio for Loitering



Accurate, real-time identification and alerting of persons or objects lingering in an area

The Challenge

Loitering refers to individuals lingering in an area without an apparent purpose, which can result in security concerns, disruptions, and potential threats to employee and customer safety. Effectively identifying and managing loitering incidents in real-time is a complex task. It involves continuously monitoring large areas, distinguishing between customers, employees, and potential threats, and minimizing false alerts. Effective loitering detection can help maintain a safe and secure environment while ensuring smooth operations and an optimal customer experience.



The Solution

Vaidio's loitering detection accurately identifies and alerts businesses of suspicious behavior. Vaidio's advanced algorithms and machine learning techniques accurately identify instances of loitering in real time. Vaidio detects and flags individuals (or objects) that exhibit suspicious behavior, such as standing idle or roaming the premises without an apparent purpose. Loitering alert thresholds can be set from 1 second to 20 minutes.

Vaidio AI is trained on proprietary data. This makes Vaidio loitering detection more accurate at differentiating from normal activities, minimizing false alerts. Vaidio accurately alerts on loitering within seconds, enabling swifter response and intervention.

Vaidio loitering detection is one of 30 advanced AI video analytics functions supported by the AI vision platform. Vaidio is compatible with both new and existing IP cameras. Vaidio analytics licenses can float between cameras, meaning multiple analytics can be applied to a single camera, and analytics functions can be changed at will. This maximizes flexibility and minimizes cost relative to camera-based and point solutions.

Vaidio analytics seamlessly complement each other to accurately identify individuals, actions, objects, conditions, vehicles, license plates and more. Vaidio also supports cross camera subject tracking to enable continuous tracking of a person of interest across multiple cameras within a network.

Architecture



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Features and Benefits

- Accurate, AI-enabled loitering detection for people and objects
- Real-time monitoring and alerting
- Customizable detection parameters
- Fast alerts (by text, email, http, and VMS)
- Flexible floating and analytics licenses
- Event logging and reporting
- Improved overall security and safety with faster, more accurate alerts
- Accelerated incident response and resolution
- Additional operational efficiencies in combination with other Vaidio video analytics
- Easy expansion and integration with additional cameras or monitoring areas

"We had a competitive AI-based system connected to 200 cameras. Each camera had an average of 10 false alerts a month—about 2,000 false alerts a month. We replaced the old system with Vaidio but kept the same cameras. Vaidio reduced our false alerts from 2,000 per month down to 10 total per month—a 99.9% reduction. Amazing."

- International Media Company



"Out of hundreds of solutions we've worked with, Vaidio is one of a handful that ranks highest in terms of platform maturity and driving real-world customer value."

- Jumbi Edulbehram, Global Business Development, AI-City, Nvidia

About IronYun and Vaidio®

IronYun's SIA award-winning Vaidio Platform brings advanced intelligence and accuracy to existing camera and video infrastructures with over 30 advanced AI video analytics functions that work across real-time, forensic and video data applications. Our mission is to help our customers improve security, safety, health, and operational efficiency, working towards a safer, smarter world.

