

### **Vaidio Advanced AI increases perimeter and facility security and nearly eliminates nuisance false alerts**

#### **The Challenge**

Businesses, communities, and homeowners everywhere need to be alerted the moment an intruder has entered a restricted area. But it's not easy. The reason is that traditional intrusion detection systems and legacy "video analytics" solutions are designed to detect objects simply based on size, location or movement. The inability to distinguish people, actions, and objects of interest from everything else – leaves, shadows, rain, snow, shapes, animals – creates too many false alerts and, worse, a tendency for real threats to be ignored. It is a dilemma that puts people and property at risk.



#### **The Solution**

Vaidio Intrusion Detection uses advanced Vaidio AI to detect the presence of unauthorized people, actions, and objects, using powerful AI algorithms to accurately recognize over 100 types of objects and to understand context to reduce nuisance false alerts in the real world by 99.5%. By effectively omitting irrelevant items (shadows at dawn and dusk, weather, leaves, animals, etc.), Vaidio decreases false alerts to enable a better, smarter approach to identifying intruders and suspect activity before threat levels escalate.

Whether it is monitoring a dozen cameras or a thousand, Vaidio AI detects intruders in any specified Region of Interest (ROI)—even in low-light conditions. Vaidio Intrusion Detection is specifically designed to filter out images without human faces or specific types of objects that pose threats in the specific environment. Once an object of interest is identified, Vaidio sends real-time alerts that include when the subject entered the ROI and a map of the specific location of the object based on the camera's location. When target objects change location, Vaidio tracks the object on the map based on changed location data.

Vaidio Intrusion Detection is one of a suite of 30 advanced AI video analytics functions supported by the Vaidio AI Vision Platform. Vaidio works with any new or existing IP camera, and multiple Vaidio video analytics can be applied to a single camera.



book a demo



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IronYun's Vaidio AI Vision Platform is recognized by IDC as "a good decision for enterprises that have extensive video surveillance capabilities and want to upgrade to advanced analytics that incorporate the latest technology." IDC MarketScape, Video Surveillance Analytics, Nov 2021



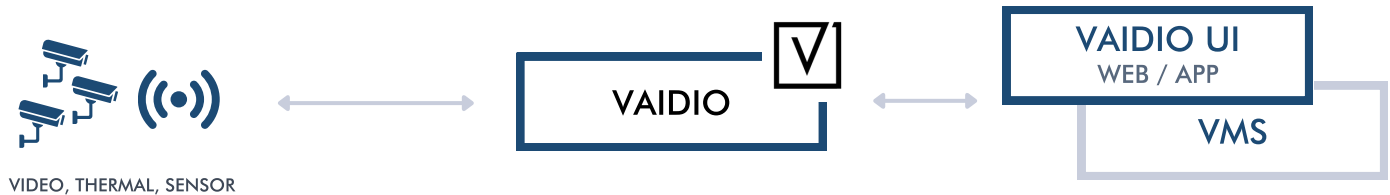
## Features

- ❑ Provides accurate, AI-enabled intrusion detection for objects and people
- ❑ Filters images to identify only human faces and specified objects
- ❑ Recognizes over 100 types of objects to reduce/eliminate false alerts
- ❑ Maps objects/persons of interest and provides real-time tracking based on time and location
- ❑ Provides immediate alerts when change is detected and parameters are met

## Benefits

- ❑ Improved overall security and safety with faster, more accurate alerts to intruders
- ❑ Reduce nuisance false alerts by 99.5%
- ❑ Ease of maintenance with system upgrades managed via the server
- ❑ Increased return on investment from existing camera and video infrastructure
- ❑ Additional operational efficiencies when other Vaidio video analytics are added on

## Architecture



"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 Edulbehran, Global Business Development, AI-City, Nvidia

## About IronYun and Vaidio®

IronYun's SIA award-winning Vaidio Platform offers more than 30 advanced AI video analytics functions to bring intelligence and accuracy to existing camera and video infrastructures. Our mission: to build a safer, smarter world by helping our customers improve security, safety, health, and operational efficiency.



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