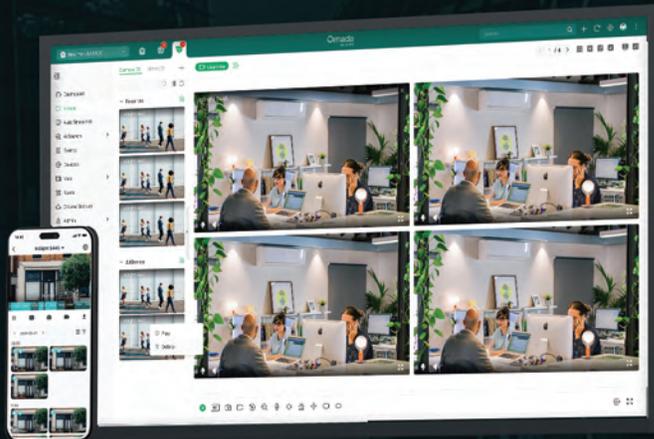




NPU-Powered AI Solution

Smart Security, Beyond Vision



Why Omada Security AI Solutions?



NPU-Powered Rich AI Monitoring Functions and Scenarios*

Efficiently detects behaviors, classifies objects, locates targets, and issues instant alerts - enhancing safety and optimizing operational efficiency.

Human Applications



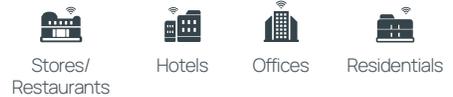
Vehicle Applications



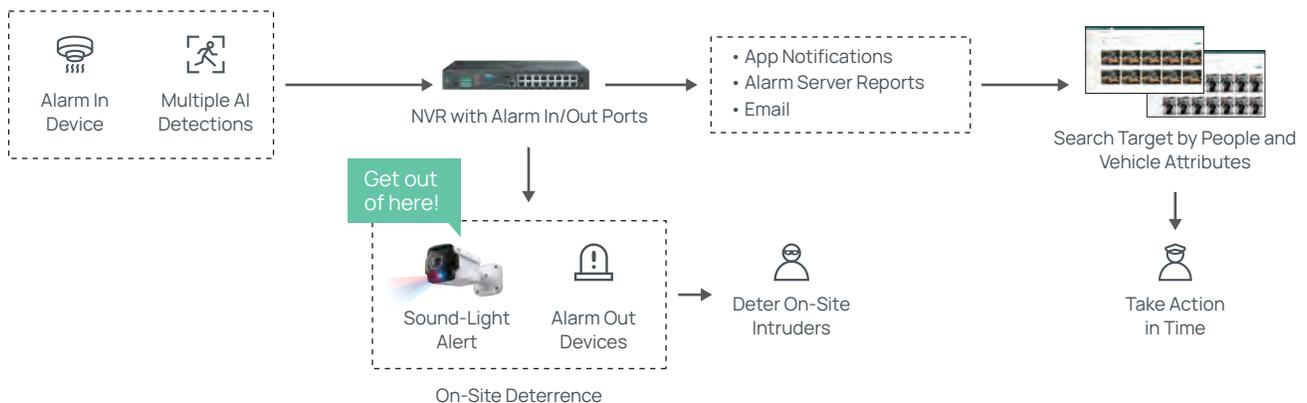
General Applications



Application Scenarios



AI Detection-Driven Alarm Linkages Protects Your Property



*An NPU (Neural Processing Unit) is a specialized processor designed to accelerate AI tasks, enabling faster and more efficient performance in applications like image recognition, video analysis, and real-time security monitoring

People Counting Helps Optimize Operations and Enhance Decision Support

People Counting accurately tracks and analyzes human movement, providing precise data on entries, exits, and occupancy. This insight aids swift emergency responses and optimizes cashier allocation.

Customer Flow Analysis

Evaluate Marketing Effectiveness and Arrange Staff Schedule

Collects data through line crossing and generates insightful reports. Evaluate marketing campaign effectiveness and optimize cashier scheduling based on customer traffic analysis.

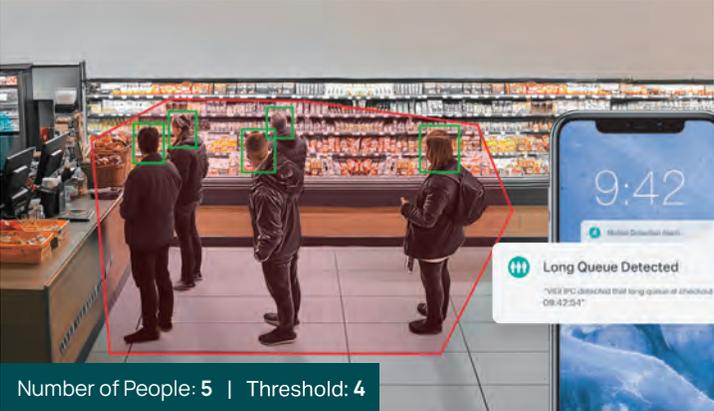


People Counting via Line Crossing



Data Analysis Report

Application: Store/Restaurant entrances and exits



Queue Management

Monitor Long Queues, Allocate Cashiers, and Enhance Customer Experience

Real-time tracking triggers an alarm when crowd size or wait time exceeds set thresholds.

Note: Up to three-column queue management is supported.

Application: Hotel front desk or supermarket checkout counter



Crowd Gathering Detection

Improves Public Safety and Prevents Potential Hazards

Alarms trigger in real time when crowd size reaches a set threshold, preventing risks like stampedes.

Application: Public areas with relatively dense crowds such as squares, supermarkets, scenic spots, and stadiums

People & Vehicle Attribute Analysis Helps Improve the Efficiency of Event Search and Saves Manpower

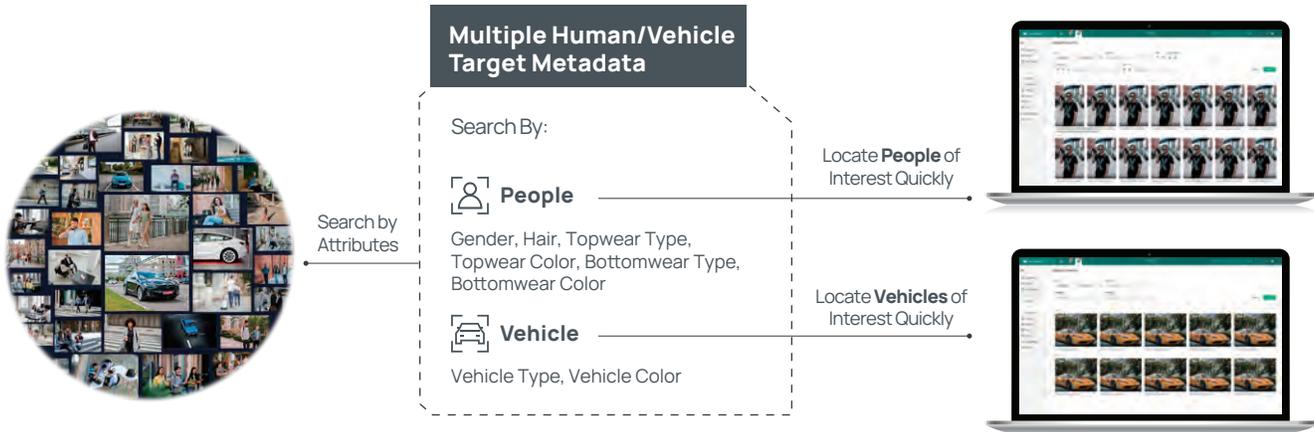
By searching for the attributes of people or vehicles, the target across cameras can be quickly located, improving the efficiency of post-event traceability, saving the manpower and costs for search and reducing property losses.

 Quick Cross-Camera Target Search

 Boost Efficiency in Event Handling

 Reduce Property Losses

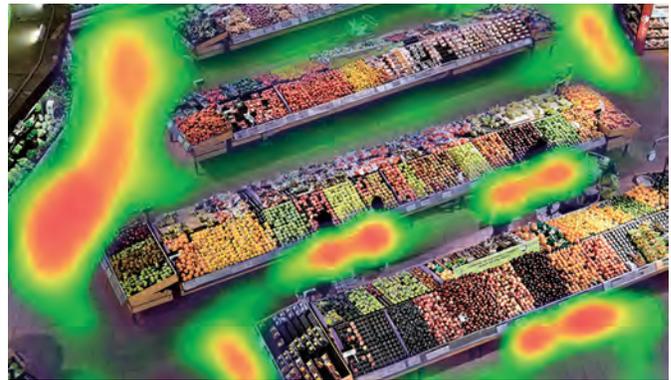
 Save Search Time and Costs



Application: Hotel security rooms and reception

Density Heat Map Shows Customers' Store Activity Trajectories

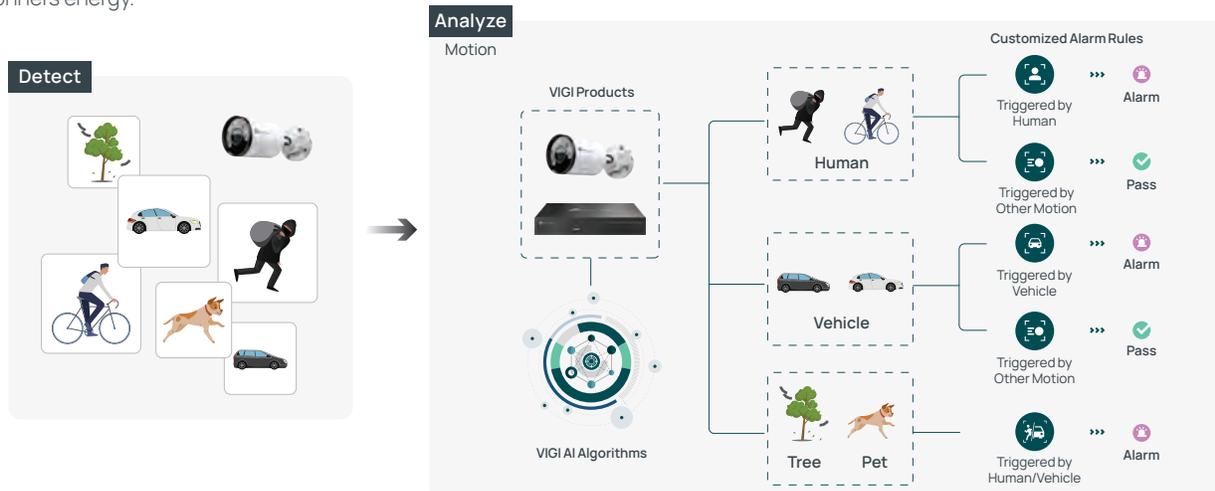
The heat map highlights high-dwell and low-traffic areas, enabling strategic placement of promotions to boost sales.



Application: Supermarket shelving areas

Human & Vehicle Classification Reduces False Alarms

Distinguish the movement of humans and vehicles from that of other objects (such as moving animals, falling leaves, and changing lights), thereby receiving more accurate event notifications, reducing the disturbance of unnecessary alerts, and conserving security personnel's energy.



Combining Multiple Behavior Detections With Human & Vehicle Classification Enables More Accurate Alerts

VIGI cameras detect behaviors triggered by people, vehicles, or both, including line crossing, intrusion, and loitering, reducing false alarms and enabling accurate threat detection.



Intrusion Detection



Line-Crossing Detection



Region Entering Detection



Region Exiting Detection



Abandoned Object Detection



Object Removal Detection



Automatic Tracking



Loitering Detection

Intrusion Detection with Vehicle Classification

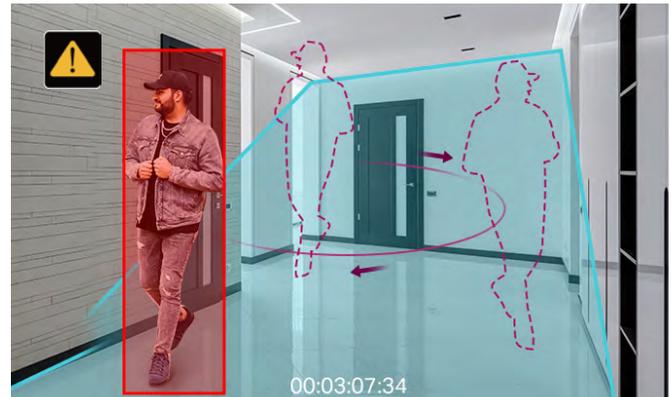
Set customized activity zones around key areas for more focused monitoring.



Application: Restricted zones such as fire lanes and ponds

Loitering Detection with Human Classification

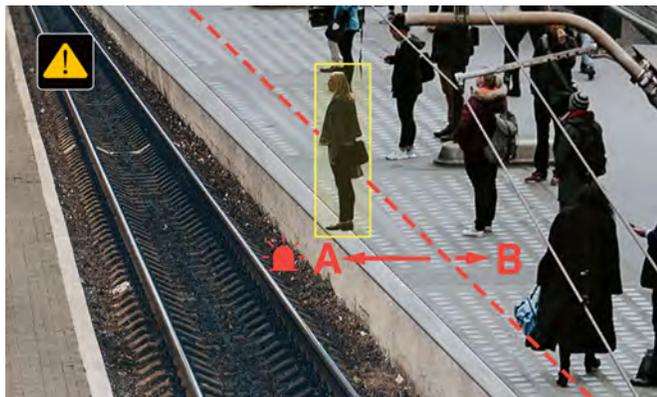
Detect suspicious individuals loitering in the area, like a corridor, for a set time and receive advanced warnings.



Application: Hotel corridors and residences

Line-Crossing Detection with Human Classification

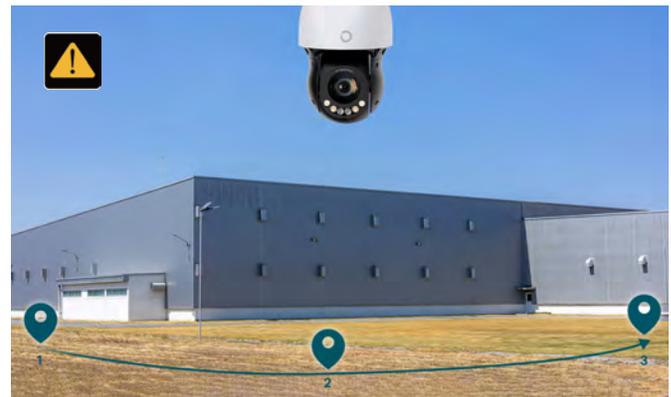
Pushes notifications to you anytime a person crosses a virtual boundary from either or both directions.



Application: Restricted areas such as station platforms

Human/Vehicle/Event-Triggered Auto Tracking

Auto tracking and intelligent patrol with smart scheduling that automatically resumes upon power-up—zero hassle, 24/7 security.



Application: Boundaries, farms, and orchards

AI-Powered Smart Storage for Longer Recording and Cost Savings

When no events are detected, record in low resolution and automatically switch to high resolution upon event detection.



No Event: Low Resolution Recording



Event Detected: High Resolution Recording

AI-Powered LightPro Night Vision

The VIGI LightPro Night Vision Technology intelligently switches between IR and full-color imaging by detecting people or vehicles at night, effectively adapting to a broader range of scenarios.



When there are no people or vehicles:



When there are people or vehicles:

✓ Less Light Pollution

✓ More Concealment

✓ More Details

✓ More Deterrence

Application: Roads in residential areas, warehouse entrances, and prohibited areas in parks

Abnormal Sound Detection

Automatically detects unusual sounds like screams and glass breaking, triggering alarms to safeguard students' or residents' safety.

Application: School corridors and residential public spaces

