

# Running Detection

Advanced AI-Powered Security Analytics



# Overview

## Defining the AI Logic

- **Core Definition:** AI feature combining People Tracking with Speed Evaluation algorithms.
- **Trigger Logic:** System detects when velocity exceeds a specific threshold within the camera view.
- **Outcome:** Automates security alerts based on specific zone configurations.



Normal Speed



Running Detected

# Features

## Technical Capabilities



### **AI People Tracking**

Isolates and follows subjects.



### **Speed Evaluation**

Analyzes velocity in real-time.



### **Threshold Detection**

Identifies 'too fast' movement.



### **Zone Configuration**

Restricts detection to specific areas.

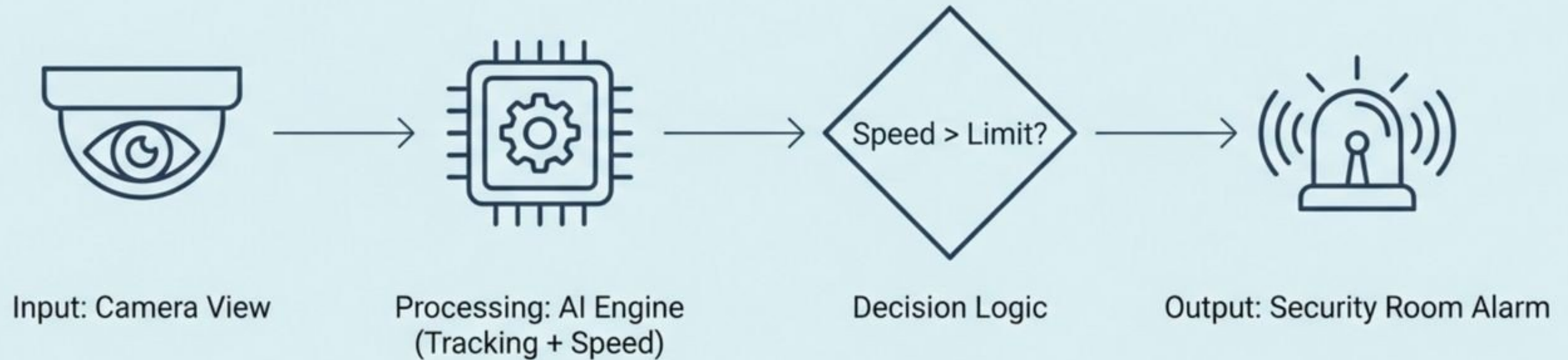


### **Alarm Integration**

Links directly to security room alerts.

# Architectures

## Data Flow & Logic





# Applications

## Vertical Market Use Cases



### Correctional Facilities

- **Context:** Sudden running is an abnormal behavior.
- **Risk:** Indicator of fights, riots, or escape attempts.
- **Benefit:** Rapid guard deployment to security breaches.



### Retail & Shopping Centers

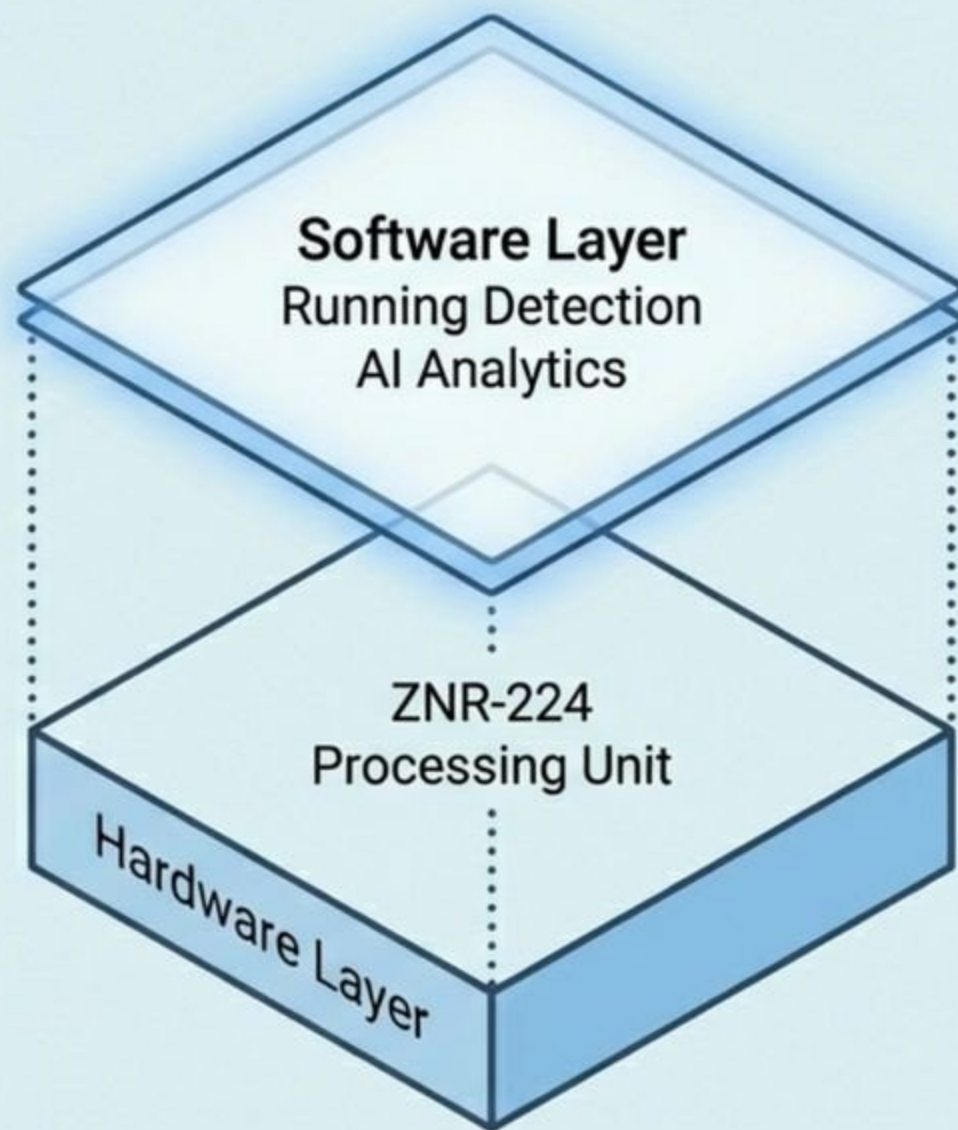
- **Context:** Running creates public disturbance.
- **Risk:** High correlation with shoplifting (fleeing).
- **Benefit:** Loss prevention and public order maintenance.

# Solutions

## Hardware Integration

- **Integrated Product:** ZNR-224
- **Function:** Fully supported AI processing backbone.
- **Deployment:** Standalone NVR acts as the central engine for video analysis and alert generation.

## Solution Stack



# Product Introduction

## Product Matrix



### **Model: ZNR-224**

Standalone NVR (Tower)

#### **Key Capabilities**

- Supports AI Running Detection
- Integrated People Tracking
- Real-time Speed Evaluation
- 64-Channel Recording Capacity



# Product Introduction

## Comparison

### Standard NVR



Passive Video Recording  
Only.

No Analytics

### ACTi ZNR-224



Active Intelligence +  
Recording.

Includes Running Detection  
& People Tracking



# Summary

## Key Takeaways

-  **Intelligence:** Combines advanced People Tracking with Speed Evaluation algorithms.
-  **Security:** Essential for high-risk environments like Prisons (riot/escape detection).
-  **Loss Prevention:** Proactive tool for Retail environments (anti-shoplifting).
-  **Platform:** Fully powered by the ZNR-224 Standalone NVR hardware.

# Contact Us

Get in Touch



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