

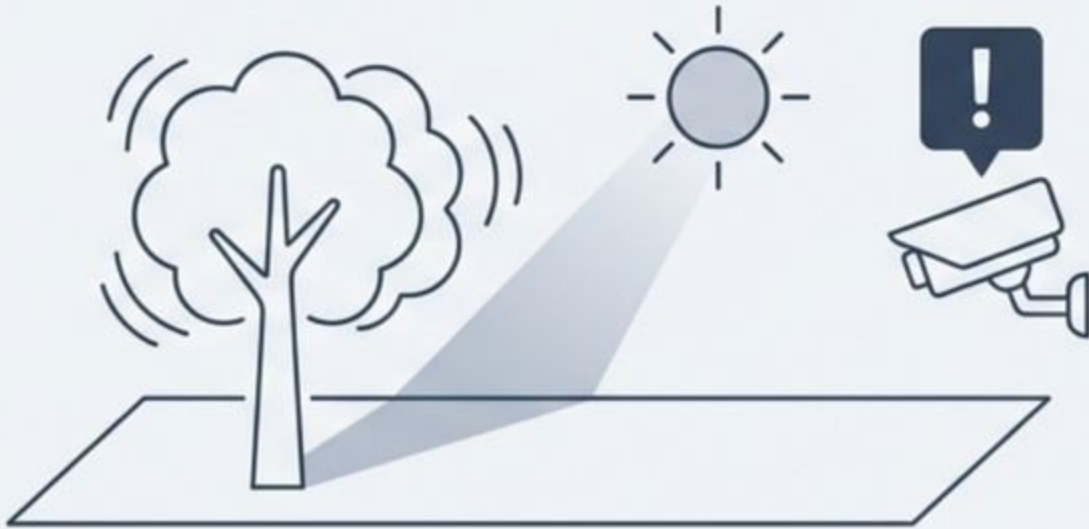
Smart Motion Detection

Precision AI for Modern Security



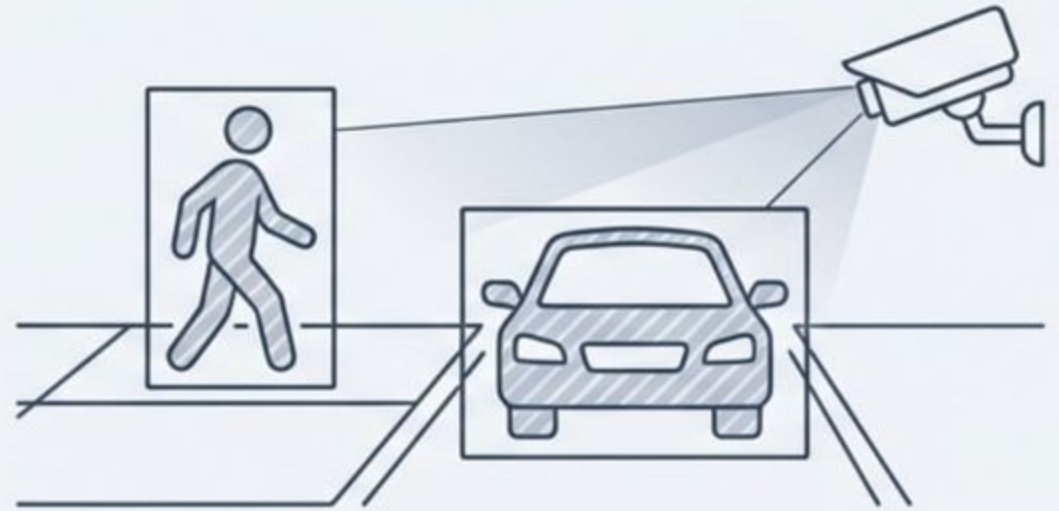
Overview

Conventional Motion Detection



Relies on pixel change analysis across multiple frames. Susceptible to false alarms caused by environmental noise: waving trees, light reflections, and moving shadows.

ACTi Smart Motion Detection



Utilizes advanced AI-based algorithms to analyze every video frame. Distinguishes specific object types (People/Vehicles) to trigger alarms only on meaningful activity.

Features



AI-Powered Analysis: Algorithm analyzes every video frame to detect specific object types.



Object Classification: Distinguishes between people and vehicles.



Motion Focus: Sends alarms only when pre-defined objects move in the view (ignoring static objects).

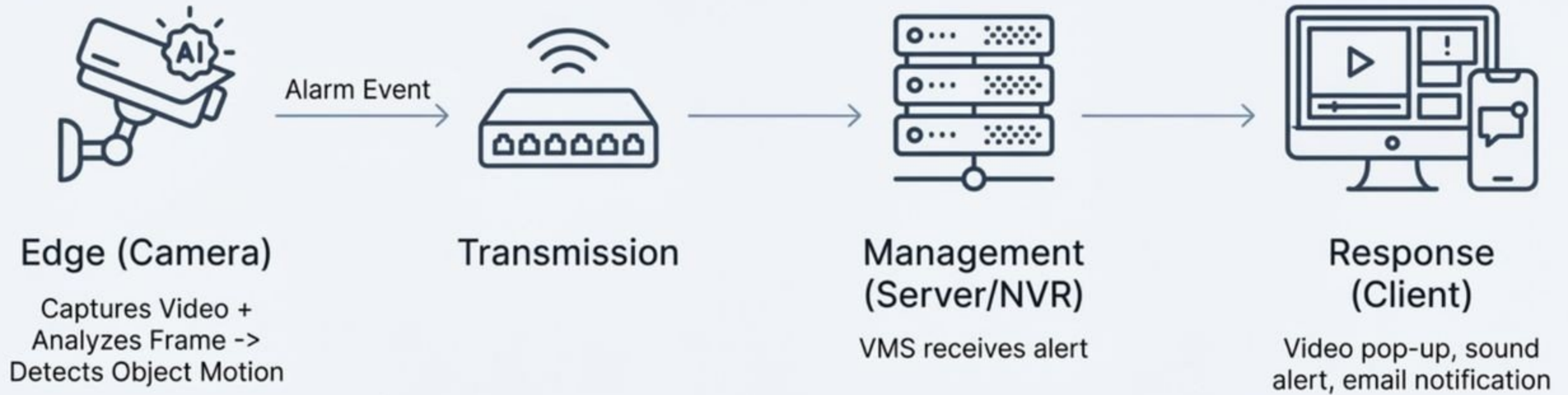


False Alarm Reduction: Avoids triggers from environmental noise like waving trees, light reflections, or moving shadows.



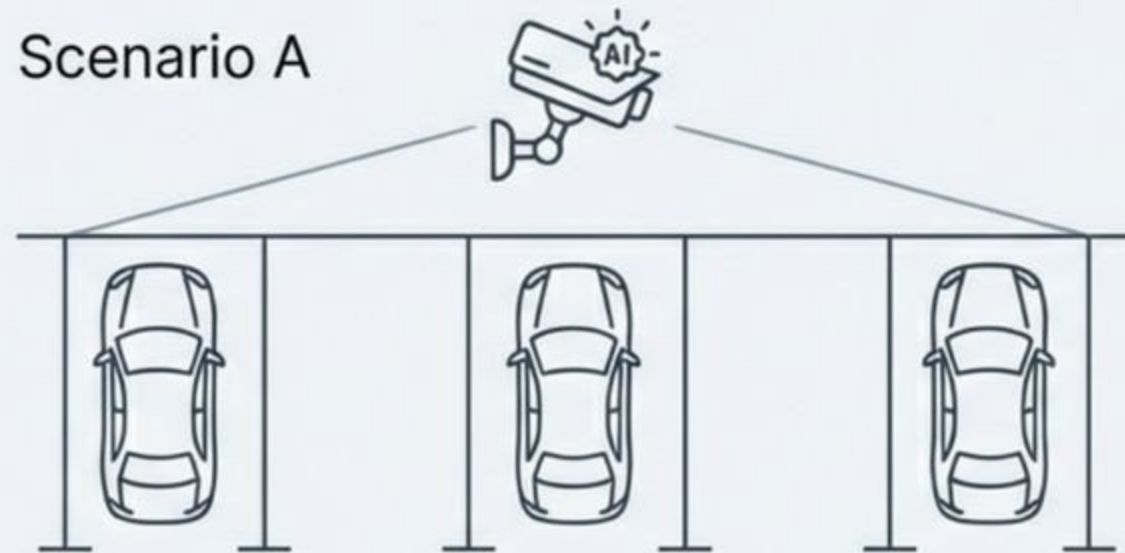
Customizable Rules: Specify which object types to include or ignore based on application needs.

Architectures



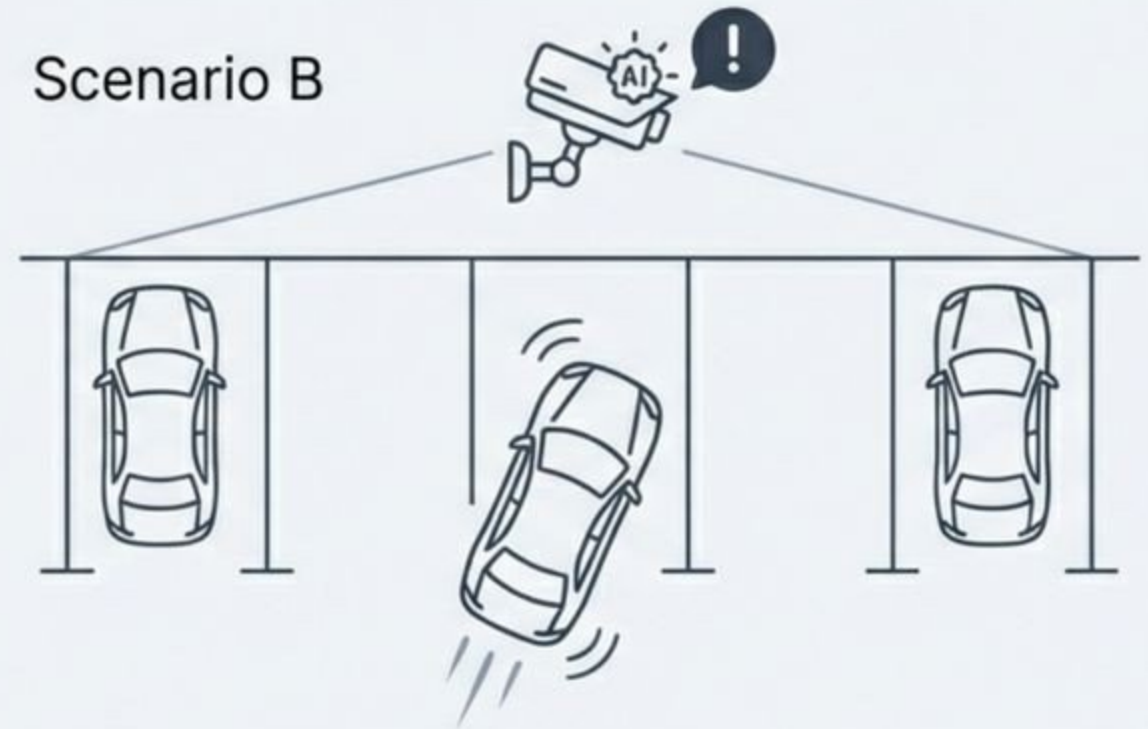
Applications

The High-Value Parking Lot Scenario



Status: Monitoring / No Alarm

Vehicles detected but static. No notification sent.



Status: Instant Notification

Vehicle motion detected. Alarm triggers immediately.

Security personnel focus only on activity, eliminating noise from static objects while maintaining vigilance on critical assets.

Solutions



Hardware Integration

Works with ACTi ZNR-series NVR



Software Integration

Compatible with Windows-based
NVR 3 servers



Event Handling

- Video Pop-up
- Sound Alert
- Email Alert

Product Introduction

Form Factors & Iconography Key



Bullet (Fixed/Zoom)



Dome (Fixed/Zoom)



Turret



PTZ / Speed Dome



Box Camera



Hemispheric / Multi-Imager

Product Matrix

Box & Bullet Series

Category		Product Specifications
	Box Series	Model A214: 5MP, 40x Zoom, Extreme WDR, Built-in Analytics
	Zoom Bullet Series	• A-Series: A220 (2MP, 4.3x), A427/A428/A429 (4MP, 4.3x, Adaptive IR) • K-Series: K41 (2MP), K42 (4MP, 4.3x) • L-Series: L41 (2MP), L43 (6MP) • Z-Series: Z419 (5MP), Z429 (8MP, 5x), Z47 (8MP, 4.3x)
	Fixed Bullet Series	• K-Series: K31/K31-P1 (2MP), K32/K32-P1 (4MP), K33 (5MP) • L-Series: L31/L31-P1 (2MP), L33/L33-P1 (6MP) • Z-Series: Z315 (5MP), Z316 (2MP), Z317 (4MP), Z318 (8MP), Z325 (8MP)

Product Matrix

Dome & Turret Series

Category		Product Specifications
	Fixed Dome	• K-Series: K71 (2MP), K72 (4MP), K73 (5MP) • L-Series: L71 (2MP), L73 (6MP) • Z-Series: Z714 (8MP), Z721 (4MP, M12), Z912 (5MP), Z913 (8MP), Z914 (2MP Indoor)
	Zoom Dome	• K-Series: K81 (2MP, 4.3x), K82 (4MP, 4.3x) • L-Series: L81 (2MP), L83 (6MP) • Z-Series: Z813 (4MP), Z818 (8MP, 5x), Z819 (5MP)
	Turret	• Q-Series: Q550 (8MP, 180° Panoramic) • Z-Series: Z510 (2MP), Z53 (5MP), Z56 (8MP), Z64 (8MP Zoom Turret)

Product Matrix

PTZ & Specialty Systems

Category		Product Specifications
	PTZ (Speed Dome)	• A-Series: A966 (2MP, 33x), A967/A967B (5MP, 33x)
	Positioning Systems	• Q-Series: Q990 (2MP, 45x), Q991 (4MP, 41x), Q992 (8MP, 41x)
	Multi-Sensor / Panoramic	• K-Series: K9001 (32MP Multi-Imager PTZ, 42x) • Q-Series: Q711 (8MP 2-Sensor Dome), Q84 (20MP 4-Sensor 360° Dome)

Comparison

Standard Performance

L & K Series

- Focus: Core Smart Detection
- Resolution: 2MP - 6MP
- Key Tech: Extreme WDR, Built-in Analytics (K)

Advanced Performance

A & Z Series

- Focus: Range and Clarity
- Resolution: Up to 8MP (4K)
- Key Tech: Adaptive IR, Higher Optical Zoom (up to 40x), Superior Low Light Sensitivity

Specialty Applications

Q & High-K

- Focus: Maximum Coverage
- Resolution: Up to 32MP
- Key Tech: Multi-sensors (180°/360°), Positioning Systems (45x Zoom), Heavy Duty PTZ

Summary



Precision

AI-driven algorithms eliminate false alarms from weather, shadows, and light.



Focus

Security resources are alerted only by the motion of people and vehicles, not just their presence.



Scalability

A massive portfolio of form factors (Bullet to 32MP PTZ) fully integrated with ACTi NVR and Windows VMS.

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