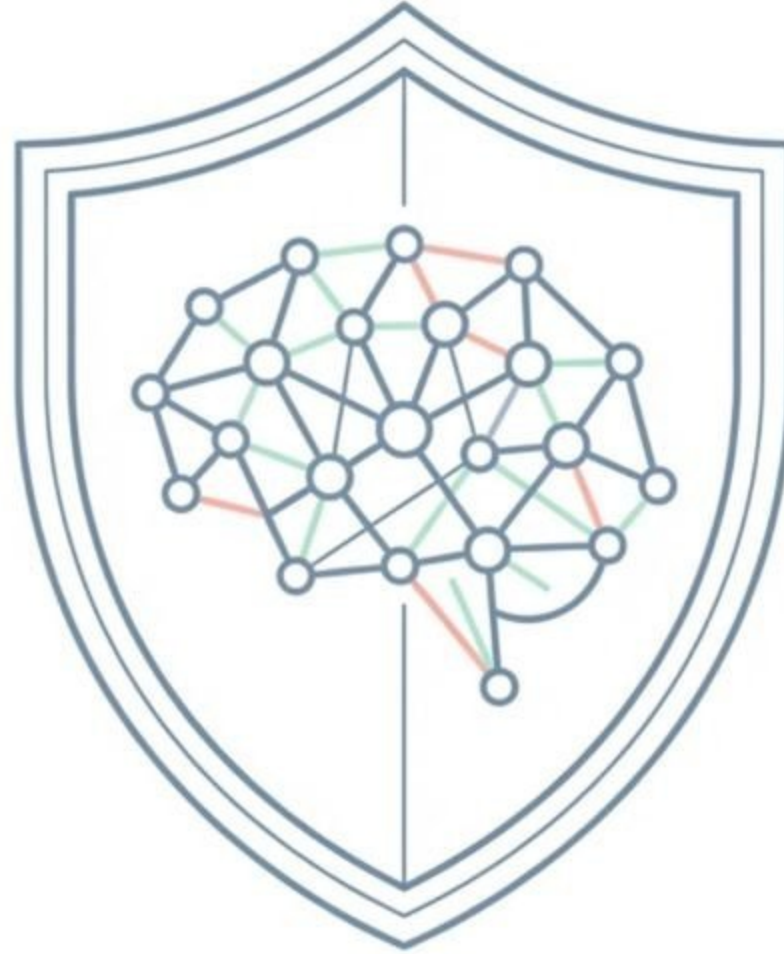


Smart Intrusion Protection

High accuracy intrusion detection using Deep Learning AI



Overview

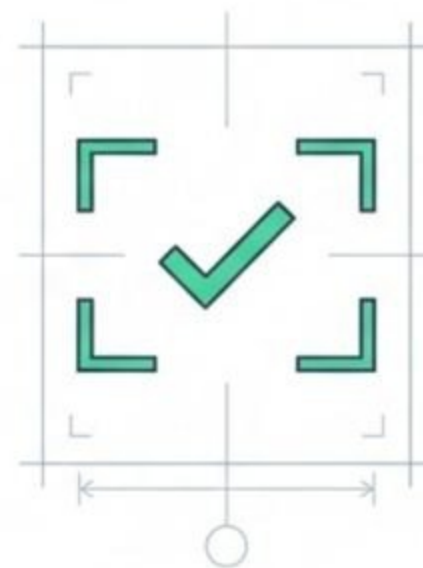
Solving the False Alarm Challenge



Traditional Motion Detection

Traditional cameras trigger alerts on any pixel change.

- ⊖ Security personnel face a burden of false alarms caused by environmental noise (shadows, wind, lighting changes).



ACTi Smart Intrusion Protection (SIP)

An AI-powered feature that analyzes and recognizes specific object types within the camera view.

- ✓ Distinguishes true intrusion from false triggers.
- ✓ It would not trigger an alarm when it sees a stray dog.

Features



Deep Learning AI

Uses advanced algorithms to provide high-accuracy intrusion detection.

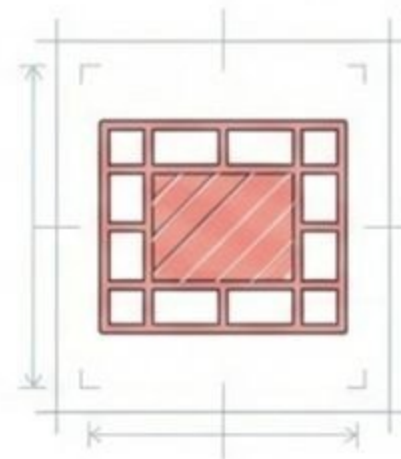
Capable of analyzing objects in real-time with superior precision compared to standard video analytics.



Target Classification

Automatically distinguishes between human beings and vehicles versus non-threat objects.

Filters out interference from animals (e.g., stray dogs), weather, or vegetation movement.



Zone Protection

Configurable to monitor the whole view or specific predefined zones.

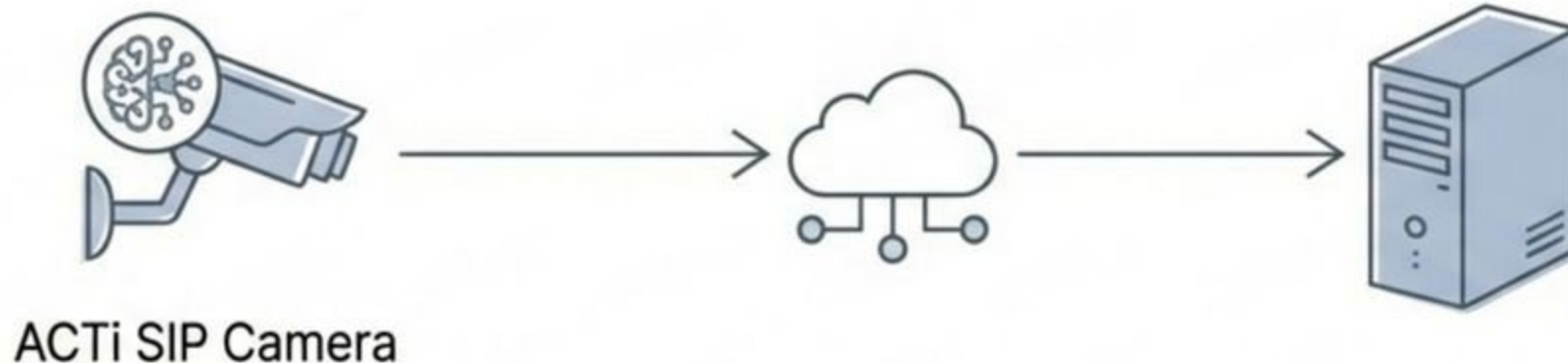
Protects restricted premises by validating the object type before sending an alert.

Architectures

Flexible Deployment Options

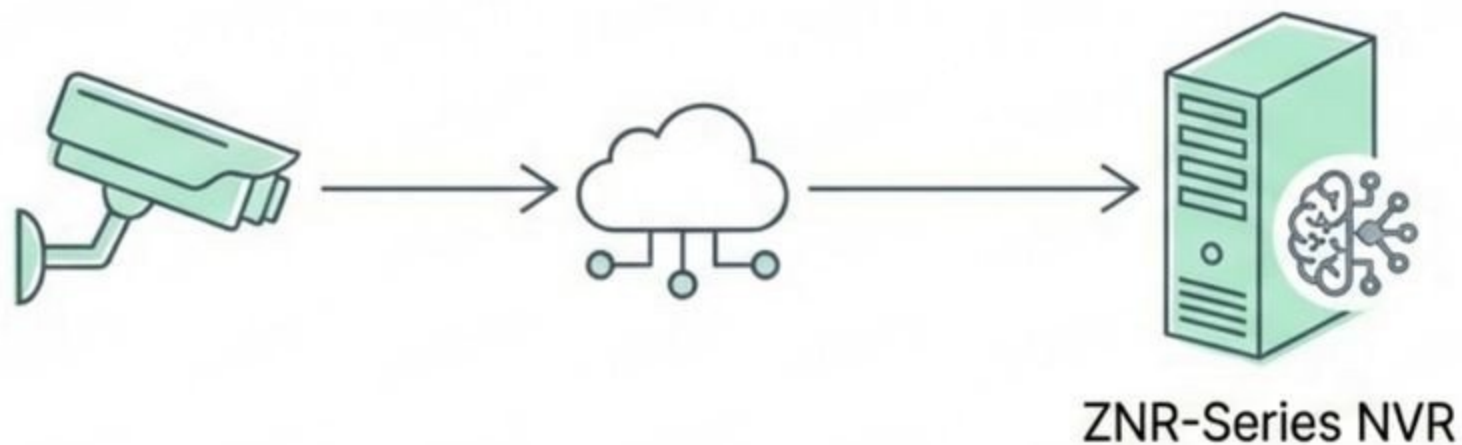
Edge-Based AI

The camera performs the analytics internally. Efficient bandwidth usage; metadata is sent to the recorder.



Server-Based AI

NVR-side AI capabilities. Allows the use of regular surveillance cameras without built-in AI. The ZNR server processes the video streams to provide full SIP protection.



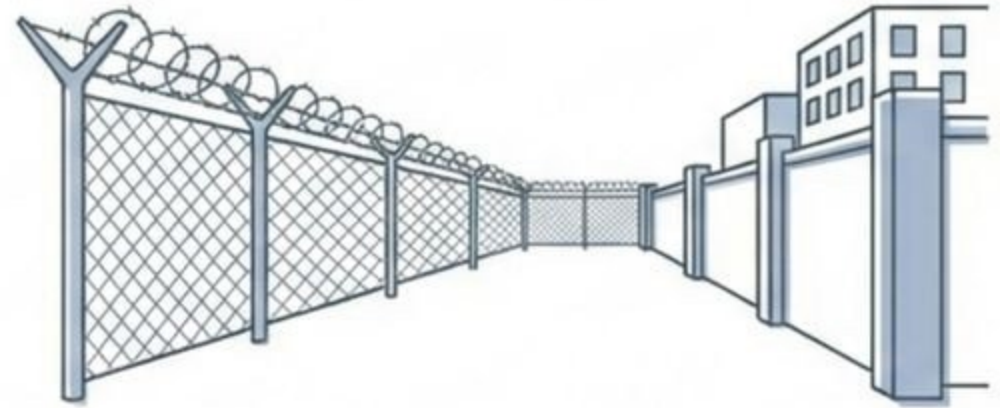
Applications

Mission Critical Surveillance

Perimeter Surveillance (Outdoor)

Ideal for borders, fences, and facility perimeters.

Environments where false alarms (wind/animals) must be avoided, but intrusion detection must be immediate.



Restricted Areas (Indoor)

Server rooms, executive wings, or secure vaults.

Highest possible accuracy for zero-tolerance security zones.



Solutions

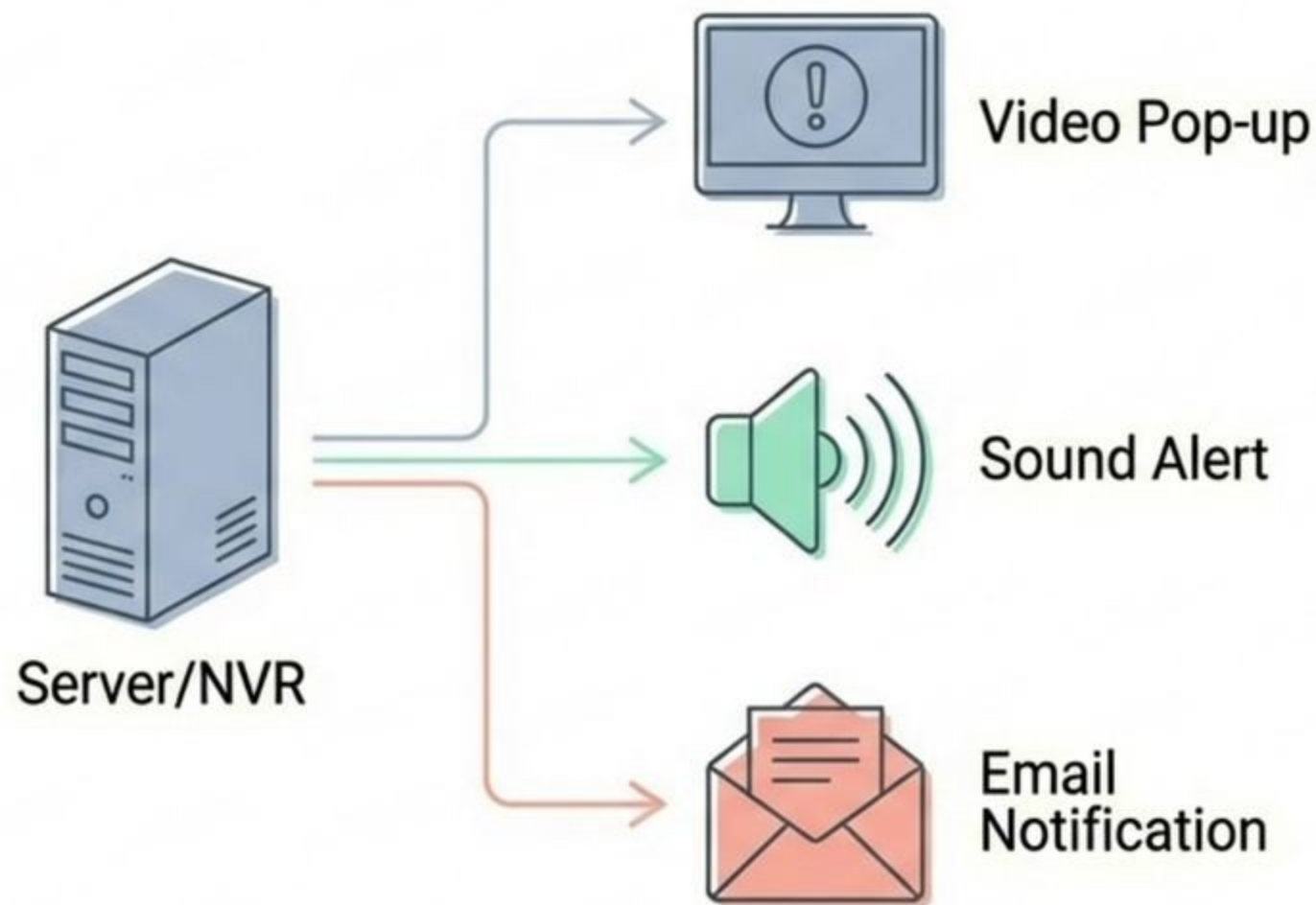
VMS Integration & Event Handling

Compatible with ACTi

ZNR-series NVRs
(Standalone Linux).

Compatible with Windows-based
NVR 3 servers.

Upon detecting a verified
intrusion, the VMS handles the
event immediately via:



Product Introduction

Product Matrix - Bullet Cameras



Thermal Bullets (Zero Light / Camouflage Detection)

Models: A371, A374, A375, A376, A377 (and P1/P2 variants), K371, K372
Key Specs: 4MP/5MP Resolution, Superior/Extreme Low Light Sensitivity, Adaptive IR, Superior WDR



Zoom Bullets (Long Range Identification)

Models: A220, A427, A428, A429, Z411 (22x Optical), Z429, Z47
Key Specs: Optical Zoom (4.3x to 22x), Extreme WDR, Adaptive IR

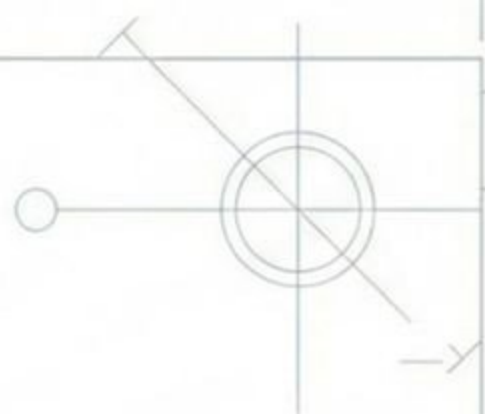


Fixed Bullets

Model: Z324
Key Specs: 4MP, Extreme WDR, Built-in Analytics

Product Introduction

Product Matrix - PTZ & Speed Domes



Outdoor Speed Domes

Models: A966 (2MP), A967 (5MP), K953 (5MP), K954 (5MP)

Key Specs: High Optical Zoom (33x to 42x), Adaptive IR, Extreme WDR



Positioning Systems (Ultra Long Range)

Models: Q981, Q982, Q990, Q991, Q992

Key Specs: Massive Zoom (41x to 56x), Superior Low Light Sensitivity



Thermal & Specialty PTZ

Models: A972, A973 (Thermal PTZ), K9001 (32MP Multi-Imager)

Key Specs: Thermal detection or Ultra-high resolution (32MP) for wide coverage

Product Introduction

Product Matrix - Domes, Turrets & Panoramic



Turrets

Models: A571-P2 (Thermal), Z54 (Fixed), Z64 (Zoom), Q550 (180° Panoramic)
Key Specs: 4MP - 8MP, Built-in Analytics, Easy adjustment



Domes

Models: Q711 (Dual Sensor), Z721, Z724, Z818 (Zoom), Z914 (Indoor)
Key Specs: Vandal resistant, Extreme WDR, 2MP to 8MP options

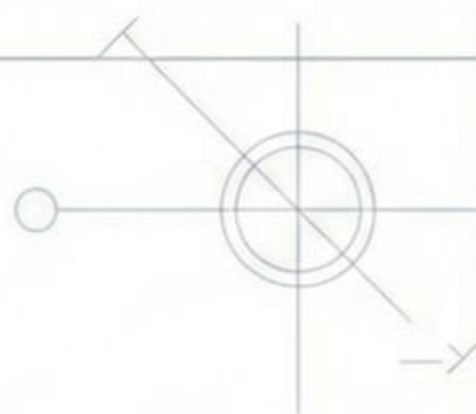


Fisheye / Panoramic

Model: Q84
Key Specs: 20MP Resolution, 4-Sensor 360° coverage, 5x Optical Zoom, Built-in Analytics

Product Introduction

Comparison by Application



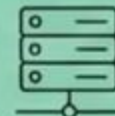
Standard Optical SIP	Thermal SIP	Long-Range SIP	Retrofit SIP
Best For: - General identification, evidence collection.	Best For: - Zero light, bad weather (fog/rain), camouflage detection.	Best For: - Large perimeters, highways, airports.	Best For: - Upgrading existing non-AI cameras.
Product Series: Z Series (Bullets/Domes)	Product Series: A37x, K37x Bullets, A97x PTZs	Product Series: Q9xx Positioning Systems (up to 56x Zoom)	Product Series: ZNR-Series NVRs (Server-side AI)

Summary



High Accuracy

Deep learning algorithms filter out non-threats (animals, weather) to eliminate alarm fatigue.



Flexible Architecture

Deploy AI at the Edge (Camera) or at the Server (NVR) to suit new or retrofit projects.



Comprehensive Lineup

A complete range of form factors including Thermal, Speed Dome, Positioning Systems, and Multi-Sensor cameras.



Seamless Integration

Native compatibility with ACTi NVR 3 and ZNR servers for automated event handling (Pop-ups, Email).

Contact Us



Website: www.acti.com



Email: sales@acti.com



Phone: +886-2-2656-2588 / +1-866-410-ACTi (2284)

Support: Customer Helpdesk & Project Registration available online.

Register today for Member-Exclusive Pricing and Project Protection.