

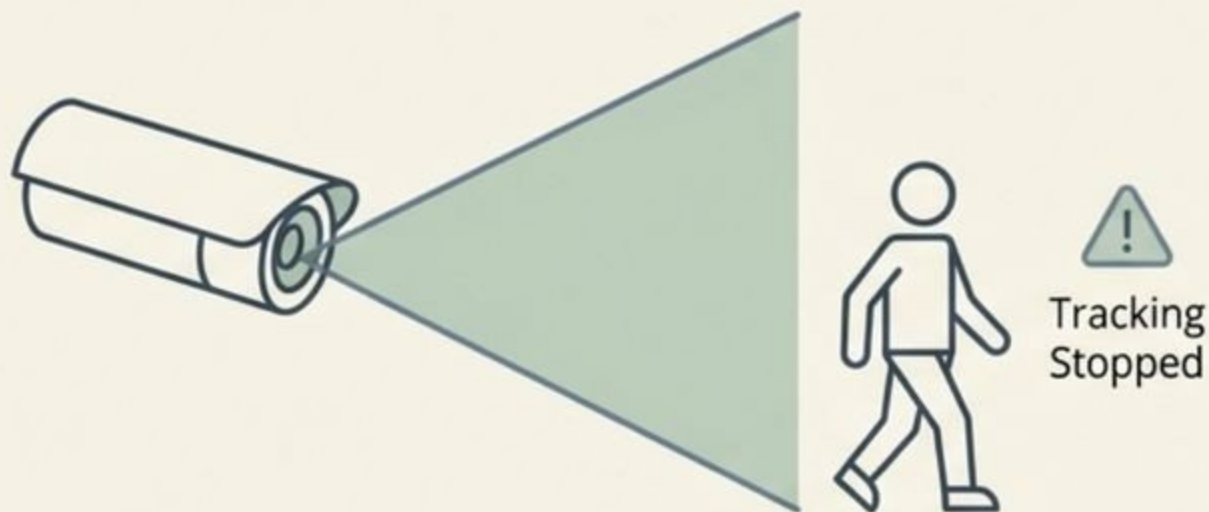
PTZ Auto Tracking



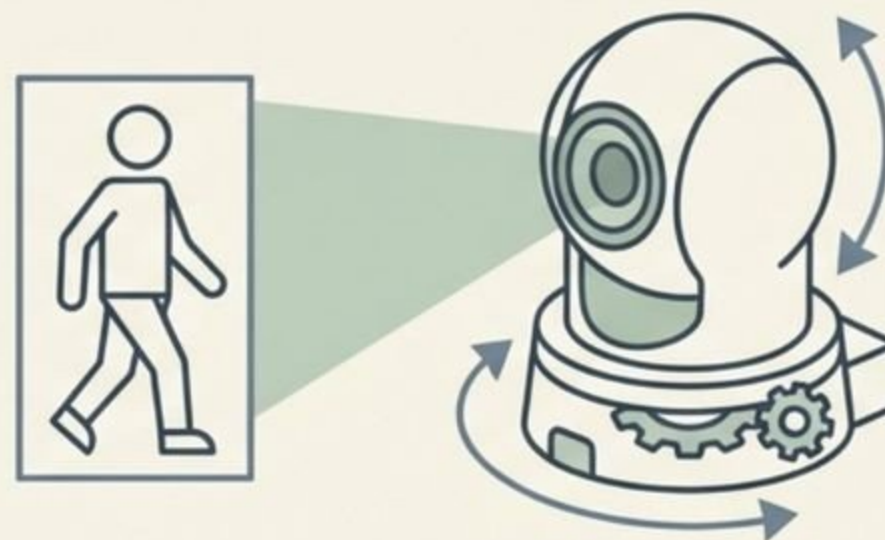
2026/03/04

Overview

Breaking the Limitations of Fixed-View Monitoring



Standard Auto Tracking: Detects and tracks specific objects (people/vehicles) using bounding box visualization. Limited strictly to the camera's fixed field of view.



PTZ Auto Tracking: Built-in AI continuously tracks the object and mechanically commands the PTZ to pan, tilt, and zoom. The object remains in view regardless of movement.

Core Benefit: Distinguishes loitering and illegal vehicle stopping with guaranteed identity retention.

Features

Core AI Intelligence & Autonomous Operation



AI-Driven Object Tracking: Automatically detects and isolates specific object types, specifically distinguishing between people and vehicles.



Continuous PTZ Commanding: Intelligent algorithms actively drive the camera's mechanical motors to follow moving targets without manual operator input.



Visual Bounding Boxes: Provides real-time tracking visualization for operators via on-screen bounding boxes, proving object identity continuity.



Behavioral Identification: Leverages continuous tracking to accurately identify complex security events like facility loitering or illegal vehicle stopping.

Architectures

Edge-Centric AI Processing



Camera-Based Analytics:
The AI tracking engine runs entirely on the edge device.



Metadata Streaming: Only video and tracking metadata are sent to the backend, drastically reducing server-side processing requirements.



Scalable Architecture:
Because the camera handles the tracking autonomous of the VMS, integrators can deploy unlimited PTZ trackers without bottlenecking centralized network video recorders.

Applications

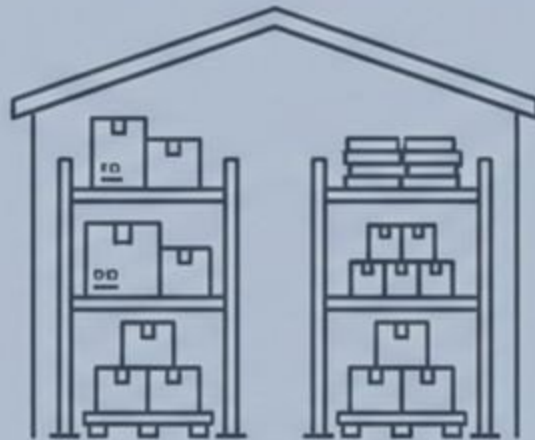
Uninterrupted Evidence Gathering for High-Security Verticals

Target Environments: Highly effective in locations where standard motion activity is rare.

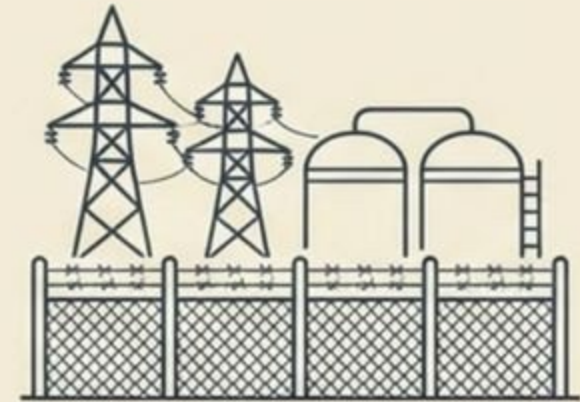


Factories

Ideal for monitoring off-duty time periods, ensuring any unauthorized access is tracked continuously across massive floor plans.



Warehouses



**Utility Plants &
Restricted Areas**

Captures seamless, unbroken video evidence of intrusions from the moment an entity appears until they are apprehended.

The Advantage: Eliminates the blind spots of multi-camera handoffs by keeping one lens locked on the target.

Solutions

VMS-Agnostic Integration & Enterprise Redundancy

Universal Compatibility:

Works independently of the chosen Video Management System (VMS).



Native Software Integration:

Fully compatible with ACTi NVR 3 and CMS 2 for centralized multi-site management and TV Wall deployments.



Standalone Server Support:

Seamlessly pairs with INR, GNR, BNR, ZNR, LNR, and ENR series NVR servers.

Enterprise Capacity: Supports high-capacity storage and built-in redundancy configurations for mission-critical video evidence retention.

Product Introduction

Product Matrix - Core Outdoor PTZ Series (2MP - 5MP)

2MP Models (Extreme WDR, Built-in Analytics)	4MP & 5MP Models (Extreme WDR, Built-in Analytics)
 A966 33x Optical	 A967 / A967B 5MP 33x Optical
 A967B-2MP 33x Optical	 K953 5MP 33x Optical
 B916 20x Optical	 K954 5MP 42x Optical
 I915 / I915-K1 36x Optical	 Z952 4MP 25x Optical
 I98 / I98-K1 33x Optical	 Z956 / Z957 4MP 33x Optical
 K953-2MP 33x Optical	 Z959 4MP 16x Optical
 Z958 16x Optical	

Product Introduction

Product Matrix - High-Resolution, Specialty & Backend Servers

8MP Outdoor PTZ (Extreme WDR) Z953 (40x Optical) Z954 (25x Optical)		Outdoor Thermal PTZ (Superior WDR) A972 / A973 4MP 32x Optical	
Indoor PTZ (Extreme WDR) B934 2MP 30x Optical		Multi-Imager PTZ (Superior WDR) K9001 32MP 42x Optical	
PTZ Positioning Systems (Superior WDR) Q981 4MP 56x Optical Q990 2MP 45x Optical Q991 4MP 41x Optical Q992 8MP 41x Optical		NVR Servers KNR-421 ZNR-424	

Product Introduction

Comparison - Matching Capabilities to Deployments



Resolution Scalability:

Deploy cost-effective 2MP models for standard perimeter tracking, up to ultra-high definition 32MP Multi-Imager systems (K9001) for vast open-area surveillance.

Optical Zoom Range:

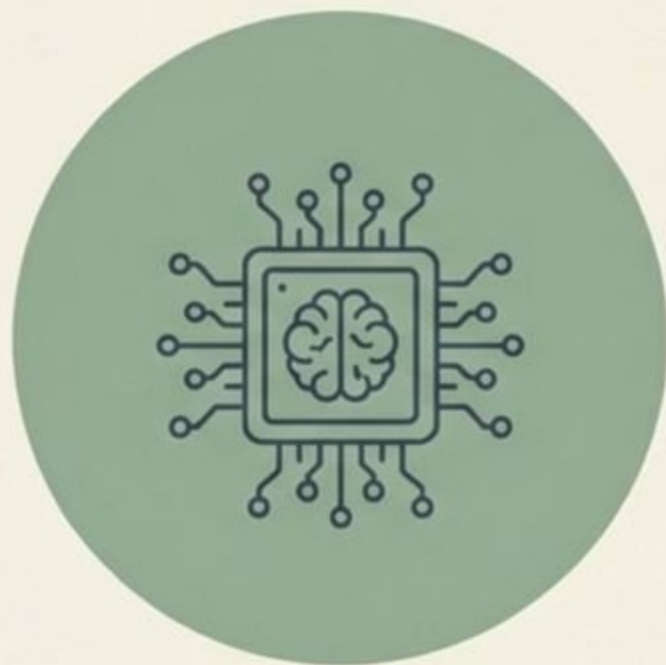
Tailor the hardware to the site size, ranging from compact 16x zoom (Z958/Z959) for tight enclosures to extreme 56x optical zoom (Q981) for vast utility plants.

Environmental Adaptability:

Choose standard Extreme WDR for highly variable daytime lighting, Thermal imaging (A972/A973) for absolute zero-light tracking, wahmacting or heavy-duty Positioning Systems (Q-Series) for rugged exterior demands.

Summary

Empowering Intelligent Surveillance at the Edge



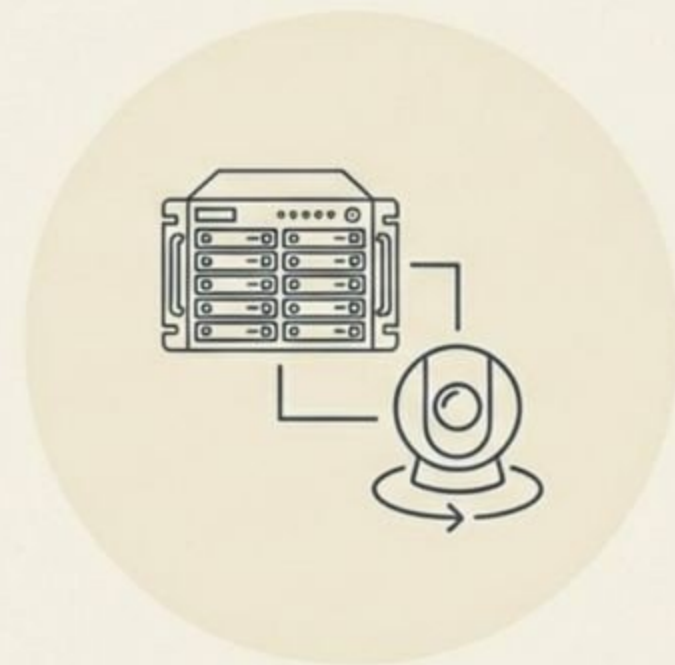
Autonomous Intelligence:

Edge-native AI eliminates fixed-camera blind spots with continuous, automated mechanical tracking of people and vehicles.



Vertical-Specific Success:

Purpose-built to deliver unbroken evidence chains in factories, warehouses, and restricted areas during high-risk, off-duty hours.



Ecosystem Breadth:

A comprehensive, VMS-agnostic portfolio spanning 29 specialized camera and server models to meet any architectural or optical demand.

Contact Us

Partner with ACTi Today



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.
No MOQ or Quota Limits. Guaranteed buying directly from ACTi.