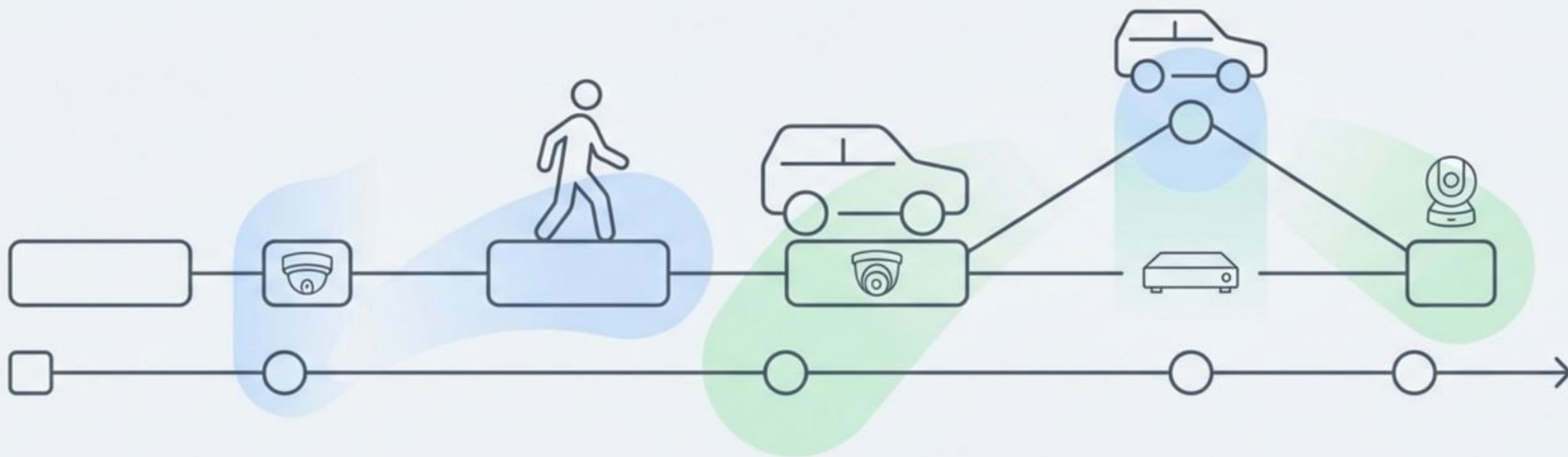


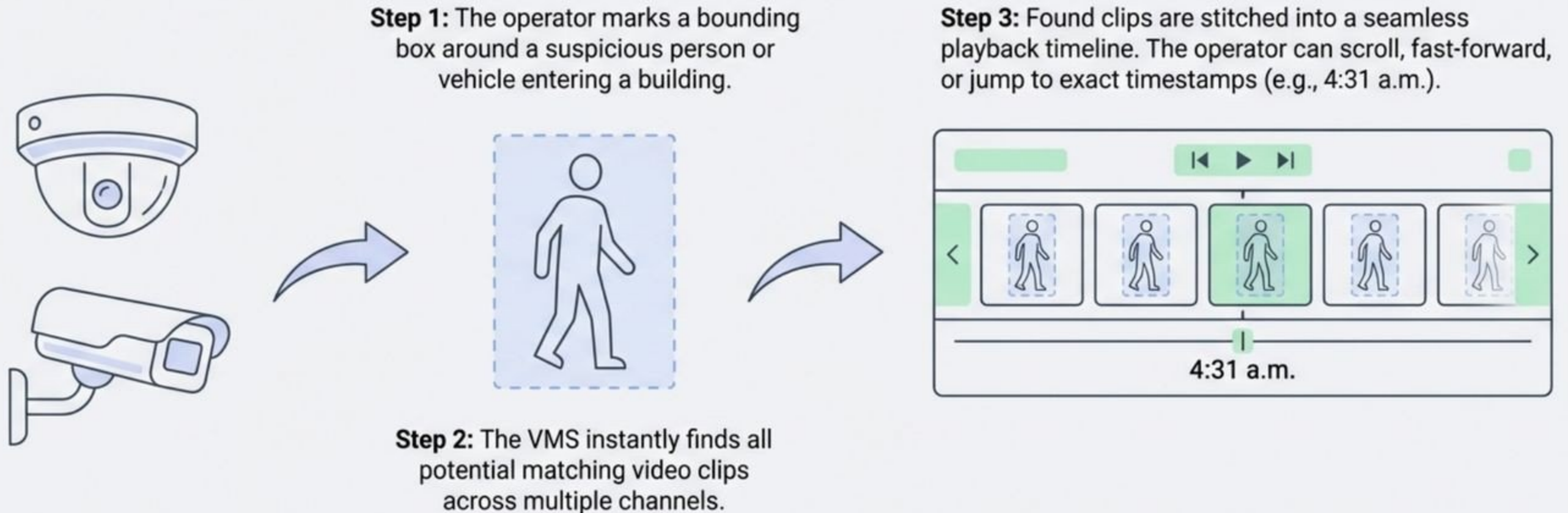
Object Visual Tracking

Advanced AI Forensic Search for Rapid Video Investigation



AI Forensic Search Presented on a Seamless Timeline

Object Visual Tracking is a highly convenient presentation of AI Forensic Search technology. It instantly finds similar-looking objects across multiple VMS video channels.



Features

Key Tracking Parameters and AI Capabilities

Instantly locate people or vehicles and track their path seamlessly. The Object Visual Tracking engine relies on four primary search parameters:



1. Selected target object
(Defined by the bounding box)



2. Selected time period
of interest



3. Similarity level
(AI-driven matching threshold)

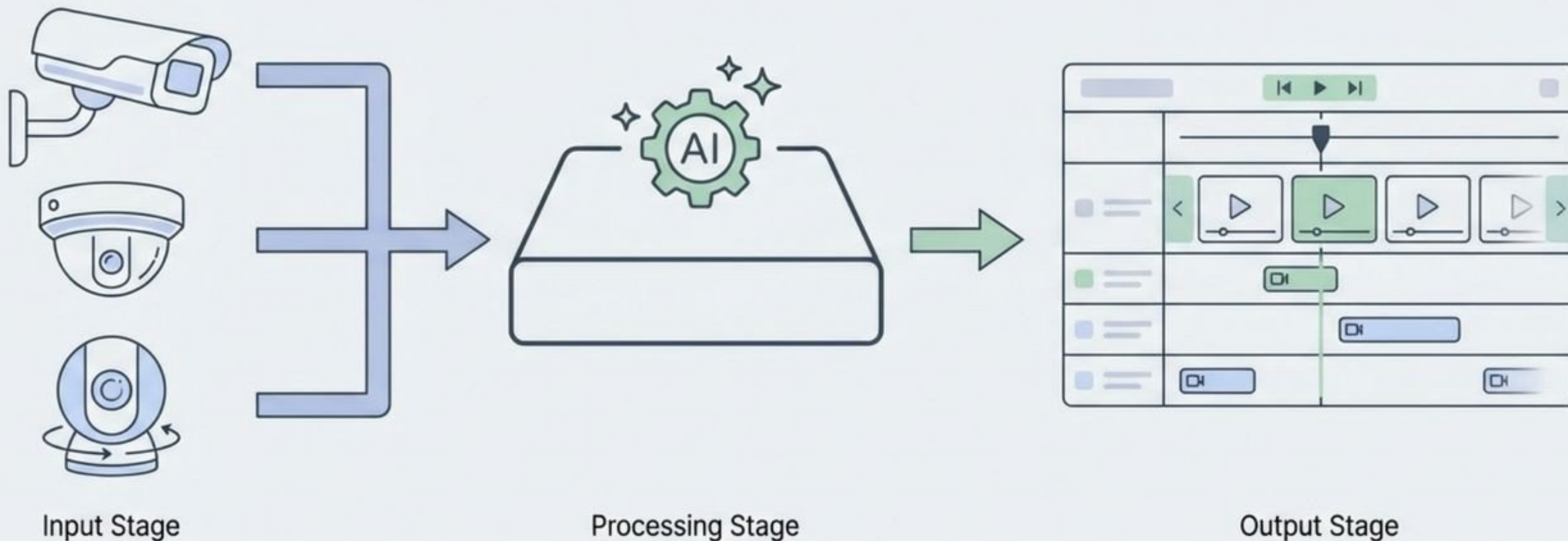


4. Channels to be
searched from

Architectures

Connecting AI Edge Search with VMS Processing

A unified architecture designed for rapid deployment. Video feeds are ingested into the VMS server where AI Forensic Search applies similarity algorithms to multi-channel data, outputting a consolidated visual tracking timeline.



Applications

Transforming Investigations Across Key Verticals

Object Visual Tracking is a powerful investigation tool that saves massive amounts of manual review time. Once a suspect passes a single camera view, operators no longer need to manually check all other channels. The system combines cross-premises results into a single navigable timeline.



Commercial & Corporate: Track unauthorized access moving across a campus.



Retail & Malls: Follow suspicious individuals or vehicles seamlessly through parking lots and store floors.



City Surveillance: Cross-reference suspect movement efficiently across vast city blocks.



Solutions

Built-in VMS and High-Capacity Server Integrations

Object Visual Tracking is natively built into select ACTi Video Management Systems and high-capacity standalone servers.



Software Integrations

Works seamlessly with NVR 3 Business and NVR 3 Corporate.

Enterprise Standalone Servers

Engineered for maximum multi-channel capacity and redundancy, ensuring fast AI forensic search speeds across extensive camera networks without external processing bottlenecks.

Product Introduction

Compatible Product Matrix



Software NVRs:

- NVR 3 Business, NVR 3 Corporate



Professional NVRs (ZNR, KNR, BNR Series):

- BNR-300, KNR-121, KNR-220P, KNR-420
- ZNR-129, ZNR-222P, ZNR-224, ZNR-425, ZNR-429, ZNR-429-32ch (32-Channel capacity)



Enterprise Standalone NVRs (INR, GNR Series):

- GNR-350, INR-401, INR-406, INR-407, INR-413, INR-415, INR-416, INR-417, INR-418, INR-490, INR-930, INR-960

Product Introduction

High-Level System Comparison



NVR 3 Software:

Ideal for flexible, software-based deployments on existing infrastructure (Business & Corporate tiers).



Professional Series (ZNR/KNR/BNR):

Streamlined, plug-and-play network video recorders perfect for retail and mid-sized commercial premises.



Enterprise Series (INR/GNR):

High-capacity standalone servers designed for city surveillance and large campuses requiring massive multi-channel AI processing.

Summary

Empowering Smarter Security Operations

- ✓ **Instant AI Search:** Rapidly locate people or vehicles using precise bounding box selection and similarity algorithms.
- ✓ **Seamless Playback:** Consolidate complex, multi-channel footage into one continuous, easily navigable timeline.
- ✓ **Massive Time Savings:** Eliminate the need for manual, channel-by-channel investigative review.
- ✓ **Native Integration:** Fully supported across a comprehensive matrix of ACTi NVRs and VMS platforms.



Contact Us

Partner with ACTi Today



Website: www.acti.com



Email: sales@acti.com



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



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