

Metadata Search

ACTi Corporation

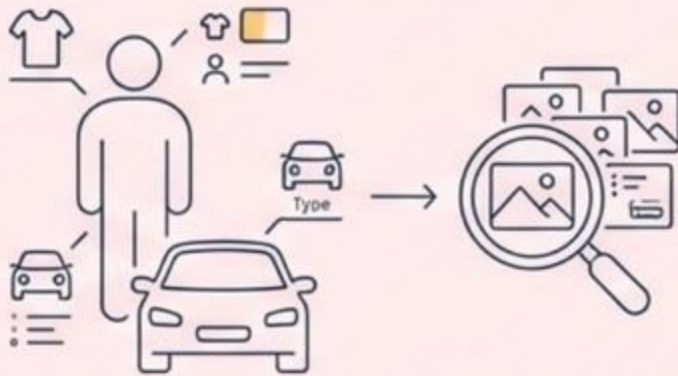


Overview

Unlocking Efficient Video Search with Object Metadata

The Concept

Continuous collection of people and vehicle attributes to enable advanced VMS thumbnail search capabilities.

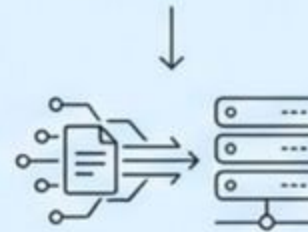


The Process

AI Cameras extract data



Transmit video stream + metadata

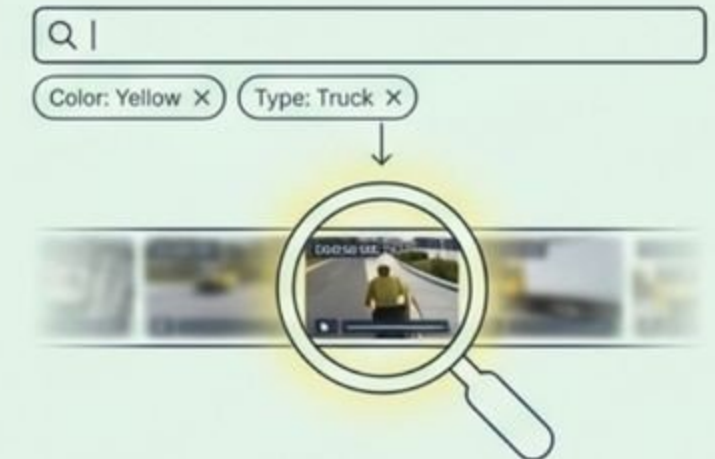


Video Management System



The Benefit

Combine multiple specific attribute filters (e.g., Yellow + Truck) to drastically narrow search ranges and isolate critical footage.



Features

Comprehensive AI Attribute Extraction



People Metadata

Age
Confidence
Expression
Gender
Glasses (Sub-type: Sunglasses)
Hat
ID
Mask
Name

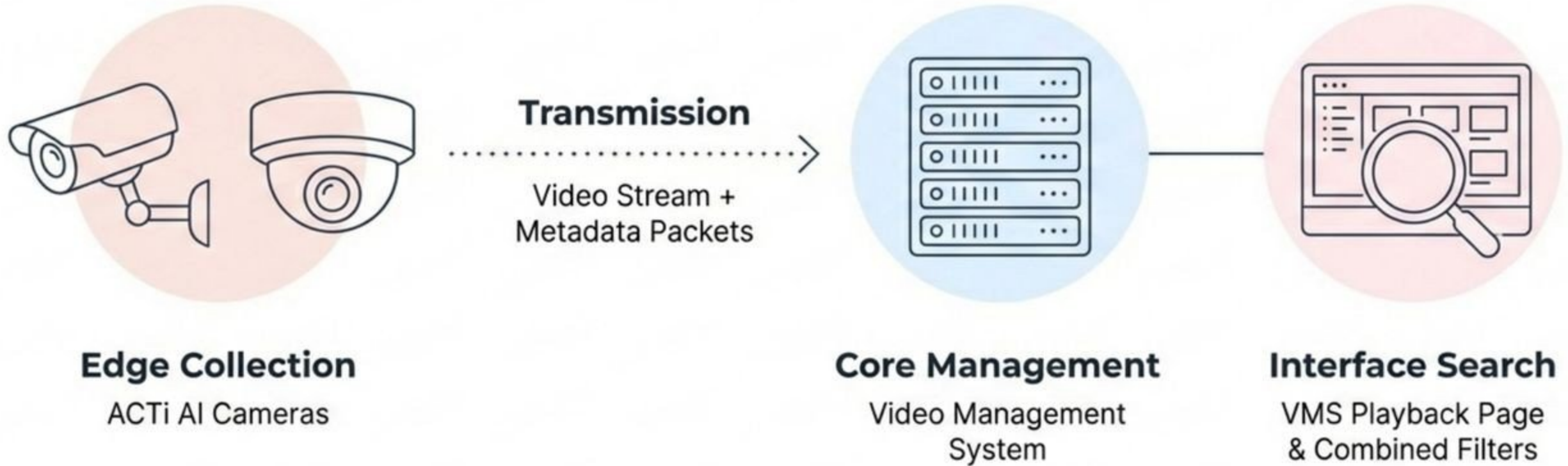


Vehicle Metadata

Color
Direction
Lane
Plate Number
Object Type: Ambulance, Bicycle, Buggy,
Bus, Car, Concrete Mixer, Container
Truck, Coupe, and ~30 additional specific
classifications.

Architectures

Edge-to-Core Metadata Flow



Applications

Accelerating Investigations in Key Vertical Markets

Time-saving investigation of specific incidents.



Law Enforcement & Retail

Immediate suspect identification by applying specific, layered class filters (e.g., isolating a Male wearing a hat and sunglasses).

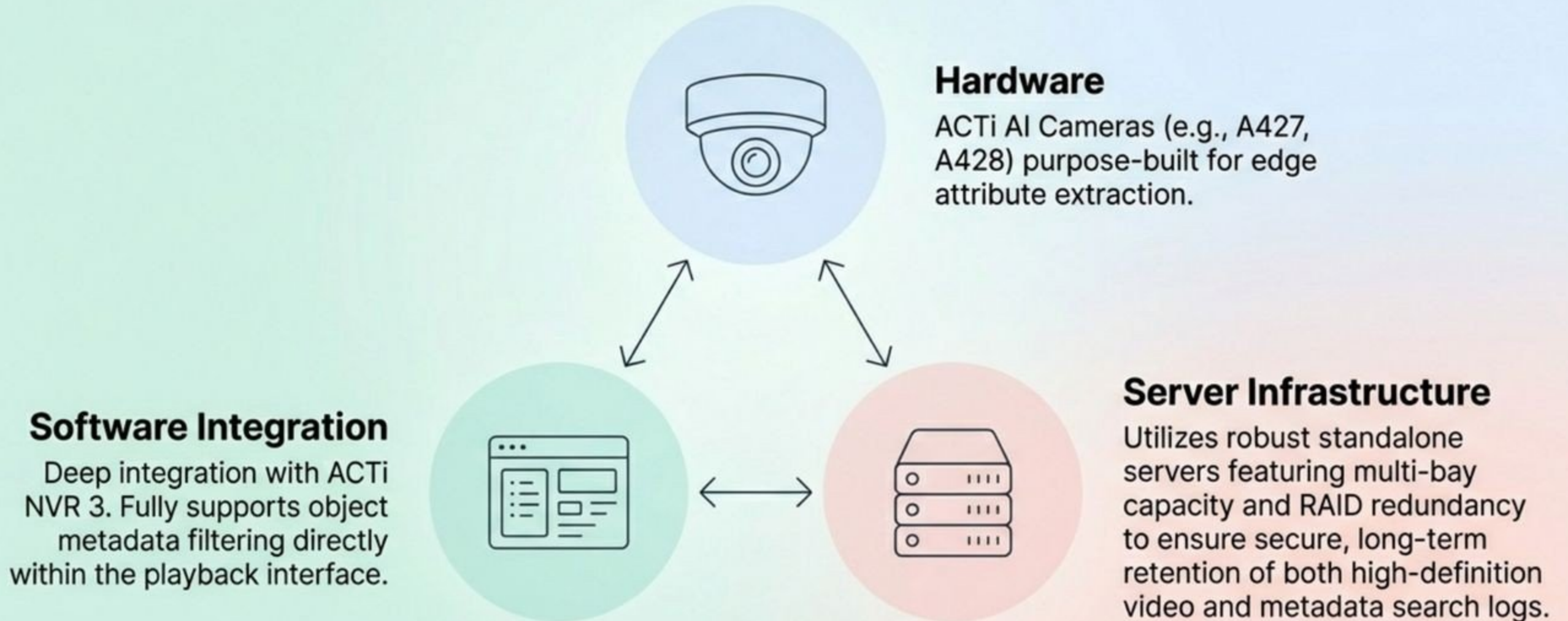


Smart City & Traffic

Rapid vehicle tracking across wide-area networks utilizing color and object type filters (e.g., pinpointing a Yellow truck).

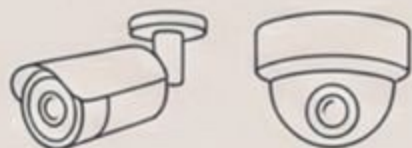
Solutions

Integrated Hardware & Software Ecosystem



Product Introduction

Product Matrix



AI Edge Cameras

Models: A427, A428

Key Differentiator: Advanced AI Object Detection & Edge Metadata Extraction



Standalone NVR & Servers

BNR Series: BNR-300

GNR Series: GNR-350

INR Series: INR-401, INR-406, INR-407, INR-413, INR-415, INR-416, INR-417, INR-418, INR-490, INR-930, INR-960

ZNR Series:

ZNR-224, ZNR-429, ZNR-429-32ch

Key Differentiator: High-Redundancy RAID Storage for Metadata



Video Management Systems (VMS)

Models: NVR 3 Business, NVR 3 Corporate

Product Introduction

Comparison: Selecting the Right VMS Tier



NVR 3 Business

Designed for single-site or mid-sized deployments utilizing standalone servers (ZNR, BNR series). Enables full metadata search functionality within localized networks.



NVR 3 Corporate

Designed for massive scalability, multi-site architecture, and advanced enterprise deployments (correlating to the high-end INR/GNR servers). Supports centralized metadata search across highly distributed camera networks.

Summary

Key Takeaways for System Integrators



Edge-Driven Efficiency: Continuous AI attribute extraction directly at the camera edge.



Deep UI Integration: Seamless, native metadata filtering within the NVR 3 playback interface.



Accelerated Resolution: Massive reduction in investigation times through layered class filtering.



Scalable Architecture: Broad, native support across ACTi's entire portfolio of AI cameras and redundant standalone servers.

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