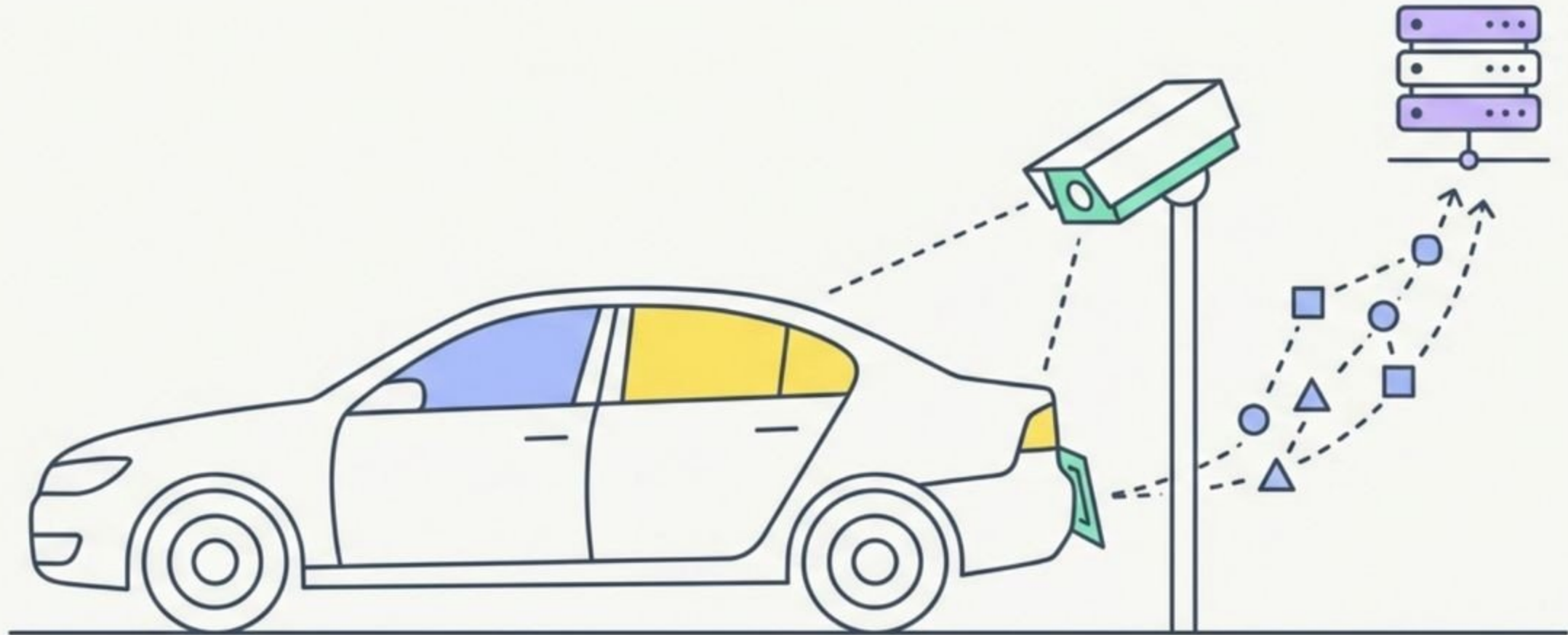


Automatic License Plate Recognition

High-Speed Edge AI Solutions for System Integrators



Overview

Definition

AI-based technology that reads license plate numbers from captured images. Capable of reading from various angles (overhead or roadside), at high speeds, and in difficult lighting.

The Edge Advantage

ACTi utilizes Camera-based ALPR (Edge Computing). This ensures faster response times, distributed computing power, and requires **Zero AI Server Licenses**.

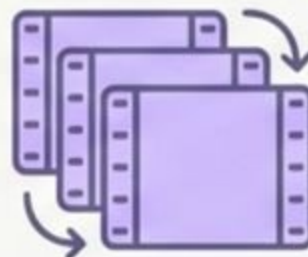
Critical Camera Requirements



High Shutter Speed: Reduces motion blur for clear character recognition.



High WDR: Reads front plates despite headlight interference.



High Frame Rate: Captures multiple snapshots per pass to select the ideal image.

Features



Various Form Factors

Available in Zoom Bullet and PTZ types.
Inter Regular, JetBrains Mono, Slate



High Resolution

Up to 9MP clarity.
Inter Regular, JetBrains Mono, Slate



Extreme Optics

Optical Zoom up to 60x.
Inter Regular, JetBrains Mono, Slate



High-Speed Capture

Capable of capturing vehicles moving
up to 320 km/h.
Inter Regular, JetBrains Mono, Slate



Long Range

Recognition distance ranging from 4.5
to 900 meters.
Inter Regular, JetBrains Mono, Slate



Traffic Management

Monitor up to 3 lanes simultaneously
per camera.
Inter Regular, JetBrains Mono, Slate

Architectures

Flow 1: Metadata Collection (Passive)



The camera captures all plates and forwards metadata to the VMS.
The server stores data for future search/evidence. No edge decision-making.

Flow 2: Alert Mode (Active Edge Analytics)



The camera holds a Whitelist (Permitted) or Blacklist (Wanted).

1. Camera compares plate to internal database immediately.
2. On 'Match', camera triggers audio alarms, video pop-ups, or gate access.
3. Reduces bandwidth: VMS receives data primarily on relevant events.

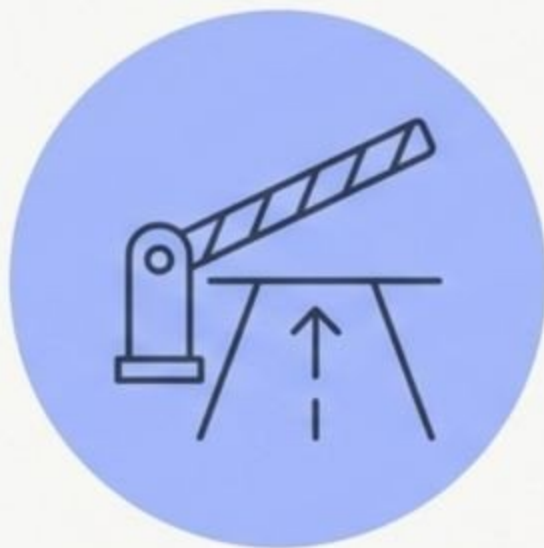
Applications



Traffic & Law Enforcement

Slate Inter SemiBold

- **Stolen Vehicle Detection:** High-speed recognition at static or mobile checkpoints.
- **Highway Monitoring:** Managing high-velocity traffic flow.



Access Control

Slate Inter SemiBold

- **Parking Management:** Automated gate control for permitted vehicles (non-payment lots).
- **Multi-Factor Security:** Combine Face ID + License Plate. Identity mismatch triggers access denial and video notification.



Surveillance

Slate Inter SemiBold

- **City Surveillance:** Tracking vehicle movement patterns.
- **Operation Management:** Business intelligence on vehicle entry/exit.

Solutions



Edge ALPR Cameras

ACTi NVR 3 Corporate

No AI License Required

Uses standard video channel license only.

Software Integration

Inter SemiBold

- **Role:** Main management server for receiving ALPR metadata and events.
- **Hardware Integration:** Works with Standalone NVRs or Servers. Seamless integration with ACTi ALPR Cameras (Edge).

Product Introduction

Zoom Box & Bullet Cameras

Zoom Box

Slate Inter SemiBold



Model: A214

Specs: 5MP, 40x Optical Zoom, Extreme WDR, Built-in Analytics.

Zoom Bullet (4MP Series)

Slate Inter SemiBold



Model: A429 / A429-P1

Specs: 4MP, ~4x Optical, Adaptive IR, Extreme Low Light.

Model: A431 Series (P1/P2)

Specs: 4MP, Extreme WDR, Opticals ranging 4x to 4.5x.

Zoom Bullet (High Res/Special)

Slate Inter SemiBold



Model: A426

Specs: 5MP, 4.4x Optical, Superior Low Light.

Model: A432

Specs: 9MP, 3.6x Optical, Basic WDR.

Model: A432-P1

Specs: 9MP, Vari-focal.

Product Introduction

Outdoor Domes & PTZ Cameras

	Outdoor Zoom Dome	Model: A826 Specs: 5MP, 4.4x Optical, Extreme WDR, Superior Low Light.
	Outdoor PTZ (Long Range)	Model: A961 Specs: 2MP, 60x Optical Zoom, Extreme WDR. Model: A956 Specs: 2MP, 40x Optical Zoom.
	Outdoor PTZ (High Resolution)	Model: A952 Specs: 8MP, 22x Optical, Adaptive IR. Model: A962 Specs: 8MP, 36x Optical, Adaptive IR.

Summary

Unmatched Performance

320

Captures at **320 km/h** with a **900m** recognition range across **3 lanes**.

Cost Efficiency



Edge-based processing means no expensive **Server AI licenses**; fully compatible with **NVR 3 Corporate**.

Versatility



A complete portfolio (**Bullet, Dome, PTZ**) suitable for **Highways, Parking, and Access Control**.

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