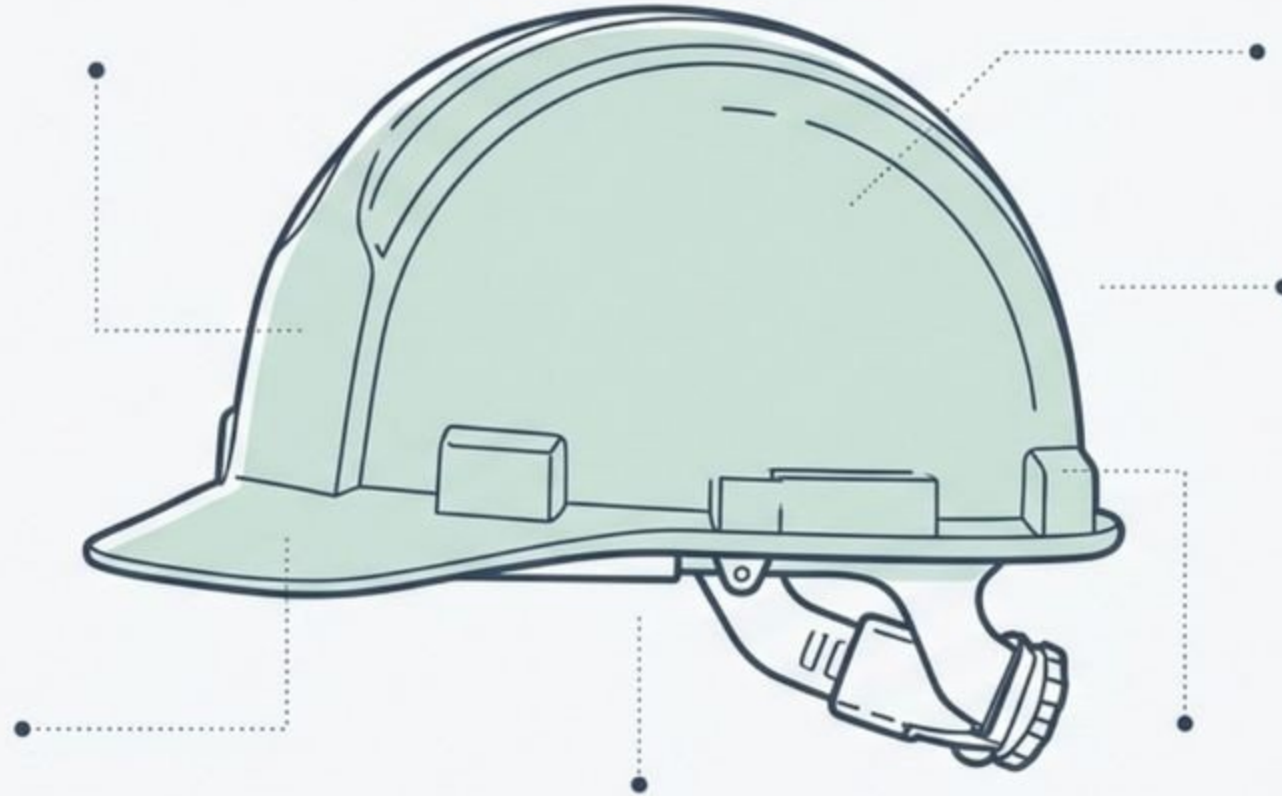


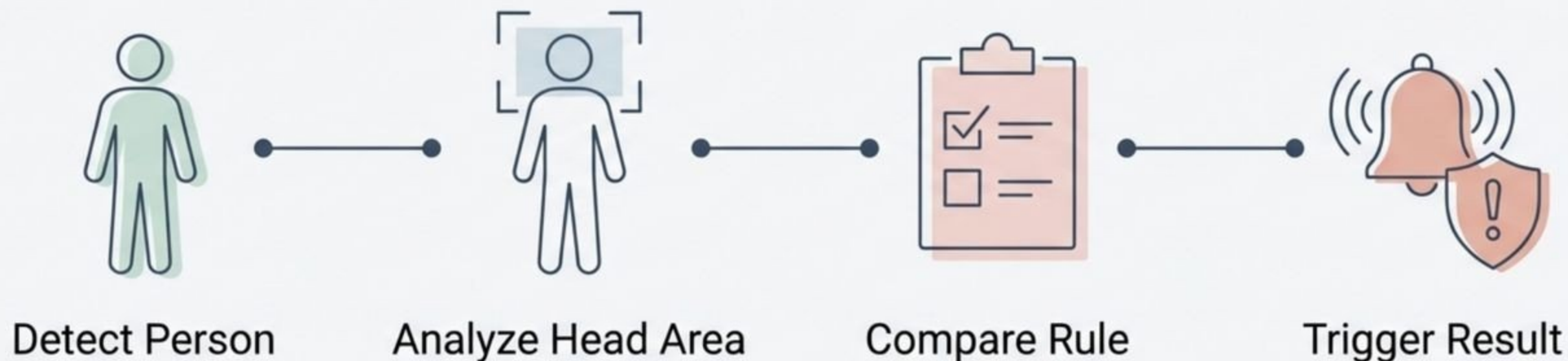
Helmet Detection



Helmet Detection on Concept in Roboto Regular

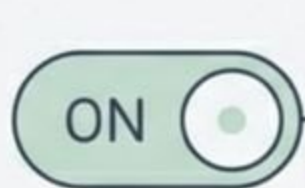
Overview

Helmet Detection is the surveillance system's ability to use video analytics to determine whether a person is wearing a helmet or not.



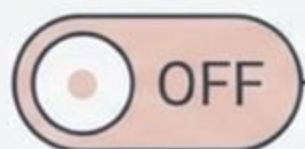
Analytics can process on the Edge (Camera) or the Server (ZNR-series NVR).

Features



- **Wear Detection**

Produces an alarm when a person without a helmet appears, or takes it off while being monitored (Safety Mode).



- **No-Wear Detection**

Produces an alarm only when a person is wearing a helmet (Security/Identity Mode).



- **People-Based Target**

The analytics specifically target human figures first to reduce false alarms.



- **Schedule**

Configurable specific time periods during which detection is active.

Architectures



Camera-side Processing: Distributed load, lower bandwidth.



NVR-side Processing: Adds intelligence to non-AI legacy cameras.

Applications

Mandatory Safety (Must Wear)



Employees required to wear hard hats; manual tracking is difficult.

- Construction sites
- Factories
- Specific warehouses
- Seaports
- Mines

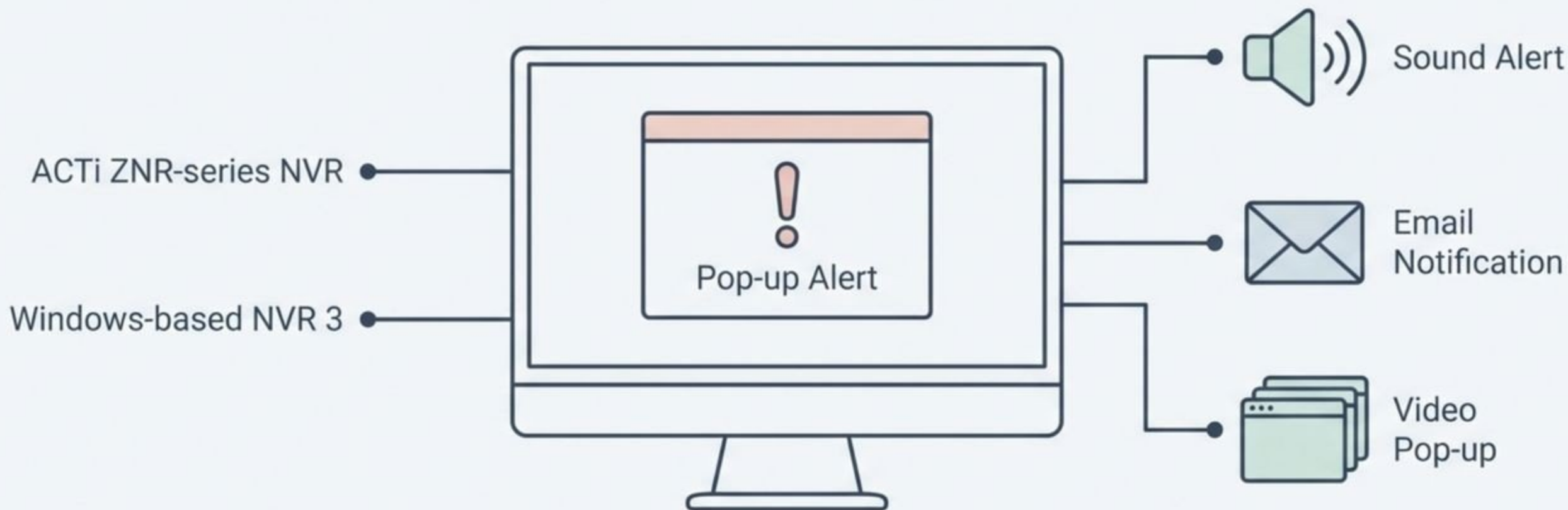
High Security (Must Not Wear)



Helmets not permitted; prevents identity concealment during illegal attempts.

- Banks
- Government Buildings

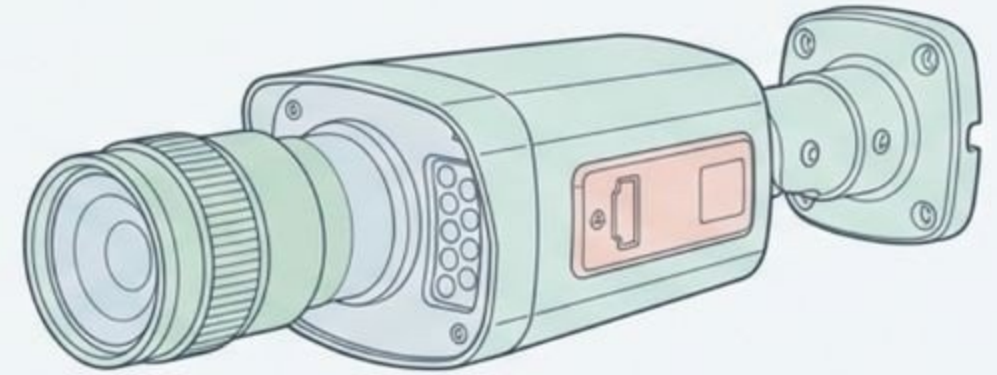
Solutions



ZNR-series NVRs feature built-in Helmet Detection capability, allowing regular surveillance cameras to function as AI detectors.

Product Introduction

Zoom Bullet Series



Model A427	4MP, Day/Night, Adaptive IR, Extreme WDR, Extreme Low Light Sensitivity, Built-in Analytics , 4.3x Optical Zoom.
Model A428	4MP, Day/Night, Adaptive IR, Extreme WDR, Extreme Low Light Sensitivity, Built-in Analytics , 4.3x Optical Zoom.
Model A429	4MP, Day/Night, Adaptive IR, Extreme WDR, Extreme Low Light Sensitivity, Built-in Analytics , 4.3x Optical Zoom.

Summary



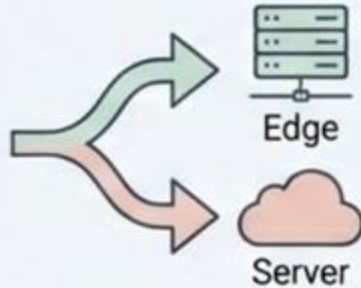
Automated Compliance

Replaces manual checking in hazardous zones.



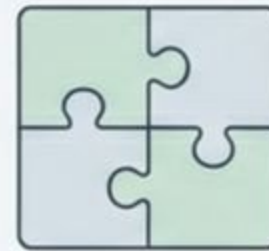
Dual-Purpose

Solves both safety (PPE enforcement) and security (Identity protection) needs.



Flexible Deployment

Options for Edge-based or Server-based processing.



Seamless Integration

Native support with NVR 3 and ZNR-series with instant alerts.

Contact Us



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



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