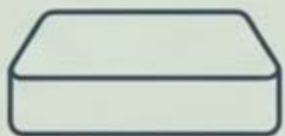


Standalone VMS

Expert Solutions for Physical Security

Overview

A complete ecosystem of plug-and-play standalone servers running Windows NVR, Linux NVR, CMS, TV Wall, and Workstation software.



Standalone Hybrid DVR

6-24 channels. Combines HD analog and IP for price-driven projects.



NVR

Embedded units. Compact 4-channel to 128-channel rackmounts.



Standalone NVR

Enterprise Windows servers. Tower and Rackmount up to 256 channels.



Standalone CMS

Central Management System. Mini and Rackmount servers for unlimited scalability.



Standalone TV Wall & Workstation

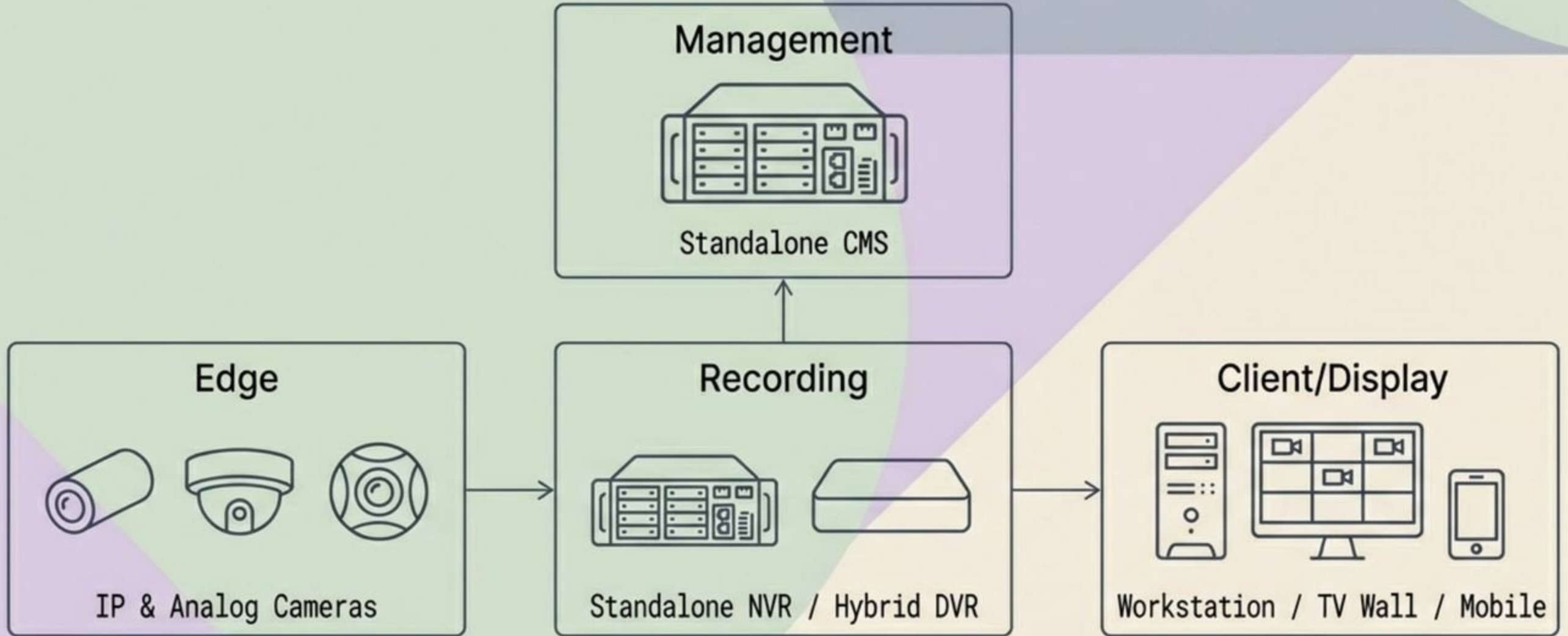
Dedicated hardware for video display and monitoring.

Features

- **Plug-and-play:** Ready-to-deploy standalone servers for Windows NVR, Linux NVR, CMS, TV Wall, and Workstations.
- **Hybrid Design:** Supports both analog (TVI/AHD/CVI/CVBS) and IP cameras (Hybrid DVR series).
- **Comprehensive Integration:** Works seamlessly with NVR 3, CMS 2, and TV Wall software ecosystems.
- **NDAA Compliant:** Full compliance across major product lines including ZNR, KNR, Hybrid DVR, and Standalone NVR series.
- **Data Integrity:** Hardware RAID support (RAID 0, 1, 5, 6, 10, 50, 60) on select enterprise models.
- **Smart Analytics:** Built-in support for Smart Search, Metadata Search, and Object Visual Tracking.



Architectures



Applications

Government & Military



- ⌘ **Requirement:** High security, regulatory compliance.
- ⌘ **Solution:** ZNR / KNR Series, Standalone NVR (INR Series).
- ⌘ **Key Spec:** NDAA Compliant.

Retail & Residential

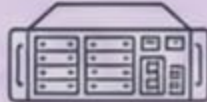


- ⌘ **Requirement:** Cost-effective, legacy analog integration.
- ⌘ **Solution:** Standalone Hybrid DVR (YVR Series).
- ⌘ **Key Spec:** Hybrid Analog + IP support.

City & Traffic Surveillance



- ⌘ **Requirement:** High channel count, massive storage.
- ⌘ **Solution:** Rackmount Standalone NVRs (INR-400/900).
- ⌘ **Key Spec:** Up to 256 channels, RAID protection.



Large Enterprise



- ⌘ **Requirement:** Centralized multi-site management.
- ⌘ **Solution:** Standalone CMS (CMS-200 series).
- ⌘ **Key Spec:** Manage unlimited NVRs.

Solutions

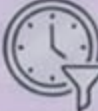
Unified Software Ecosystem



- ≡ **NVR 3:** Enterprise recording engine pre-installed. 
- ≡ **CMS 2:** Central Management System for unlimited servers. 
- ≡ **TV Wall:** e-Map & Google Map integration. 

Intelligent Analytics



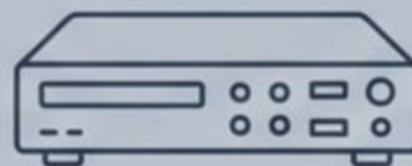
- ≡ **Smart Search:** Rapid video evidence filtering. 
- ≡ **Metadata Search:** AI-based event location. 
- ≡ **Object Visual Tracking:** Cross-camera target tracking. 

Enterprise Reliability



- ≡ **Redundancy:** Redundant Power Supply on mission-critical models (INR-401, INR-413, INR-418, INR-960). 
- ≡ **RAID:** Hardware RAID 0, 1, 5, 6, 10, 50, 60 options. 

Product Introduction



Product Matrix - Standalone Hybrid DVR

Model	Total Channels	Configuration	Bays
YVR-120	6 Channels	2 IP / 4 Analog	1 Bay
YVR-121	12 Channels	4 IP / 8 Analog	1 Bay
YVR-122	24 Channels	8 IP / 16 Analog	1 Bay

Key Specs: Supports TVI/AHD/CVI/CVBS. NDAA Compliant.

Product Introduction

Product Matrix - Embedded NVR (Linux)

Small Scale (ENR/MNR)



- ≡ **ENR Series:** 4-16 Channels (e.g., ENR-010P with 4 PoE).
- ≡ **MNR Series:** Compact units (e.g., MNR-402P).

Medium/Large Scale (ZNR/KNR - NDAA Compliant)



- ≡ **ZNR-431:** 128 Channels, 8 Bays, RAID 0/1/5/6/10, 2U Rack.
- ≡ **ZNR-429:** 64 Channels, 8 Bays, RAID support.
- ≡ **KNR Series:** 8-64 Channels (e.g., KNR-421).
- ≡ **Key Differentiator:** Built-in Analytics, Smart Search, Object Visual Tracking.

Product Introduction

Product Matrix - Standalone NVR (Windows)



Tower Series

- BNR-300: 100 Channels, 4 Bays.
- GNR-350: 100 Channels, 6 Bays.



Rackmount Series (INR)

- INR-400 Series: 144-256 Channels. Models include INR-406 (8 Bays), INR-413 (16 Bays, Redundant Power).
- INR-900 Series: High-end performance. INR-960 (256 Channels, Xeon Processor, Redundant Power).

Key Specs: Windows 10/11 IoT / Server 2022. Hardware RAID (Add-on Card).

Product Introduction

Product Matrix - Management & Display



Standalone CMS

- CMS-100: Mini Standalone, 100 Free Channels (Max 800), 1 Bay.
- CMS-201: Rackmount, 200 Free Channels (Max 6400), 1 Bay.



Standalone TV Wall

- TVW-301: 2-bay Tower, Independent Graphics Card, Intel Core i7.



Standalone Workstation

- SWS-200: Pre-installed NVR/CMS Workstation, up to 200 video devices, no license required.

Product Introduction

Comparison - Key Technical Differentiators

	Embedded NVR (ENR/ZNR)	Standalone NVR (INR)
Processing Power	ARM-based embedded SoC or Hi3536	Intel Core i7 (7700/8700) or Intel Xeon (Silver 4309Y/E-2324G)
RAID Implementation	On-board Hardware RAID (Select ZNR models)	Add-on Card Hardware RAID 0/1/5/6/10/50/60 (Standard on INR Rackmount)
Operating System	Linux	Windows 10/11 IoT / Server 2022
PoE Availability	Available on models: ENR-010P/020P, MNR-402P/403P, ZNR-221P/222P, KNR-220P	

Summary



Scalability

From 4-channel compact NVRs to 6400-channel CMS management.



Versatility

Specialized hardware: Hybrid DVRs, NDAA NVRs, and Workstations.



Enterprise Reliability

Hardware RAID (0-60), Redundant Power Supplies, Intel Xeon processing.



Unified Experience

Seamless integration of NVR 3, CMS 2, and TV Wall software.

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