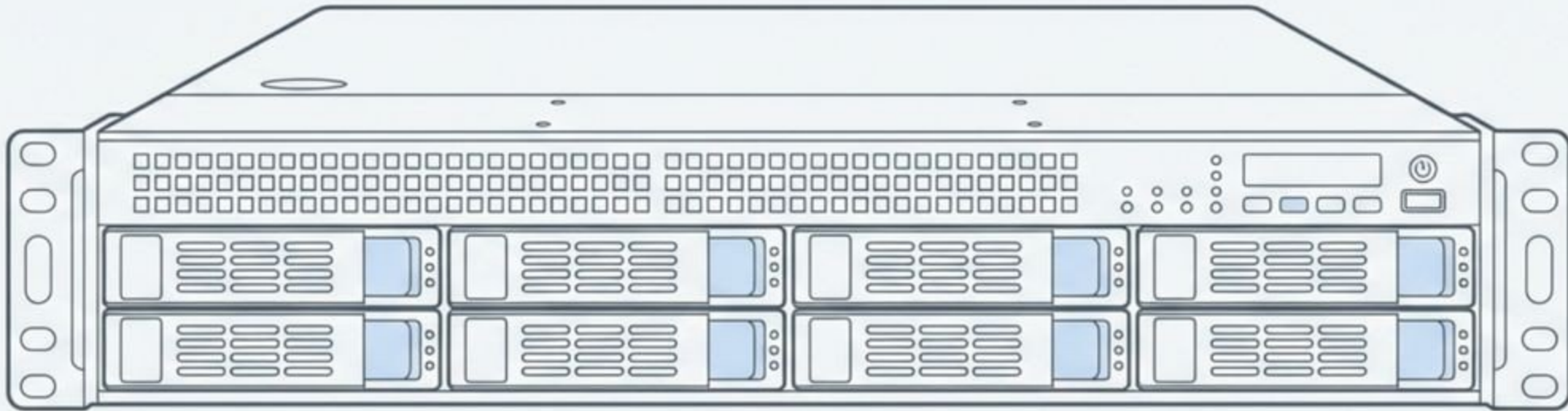


Linux NVR

Simple and reliable standalone NVR using Linux platform



Overview



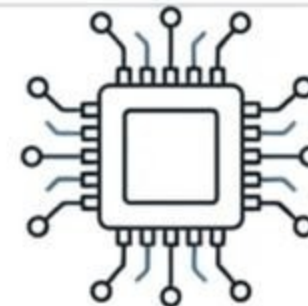
Reliability: Simpler operating system means better stability.



Cost Efficiency: No OS license fees.



Maintenance Free: No OS upgrades required.



Resource Optimization: No unexpected services occupying CPU and memory.

Product Families:

- YVR-series: Hybrid DVR (Analog + IP)
- ZNR-series: NVR (Network Video Recorder)
- ENR-series: NVR (Network Video Recorder)

Features

Setup & Operations

- Intuitive Setup: No training required; batch copy/apply configs.
- Camera Management: Adjust settings directly within NVR interface.
- Live View: Up to 64 channels, built-in dewarping, full PTZ controls.

Recording & Storage

- Capacity: Up to 8 bays (22TB/drive), 128 channels.
- Reliability: Multiple RAID configurations supported.

Search & Playback

- Search: Thumbnail, event-based (analytics/motion), Bookmark search.
- Playback: Multi-channel sync; speeds 1/64x to 256x.

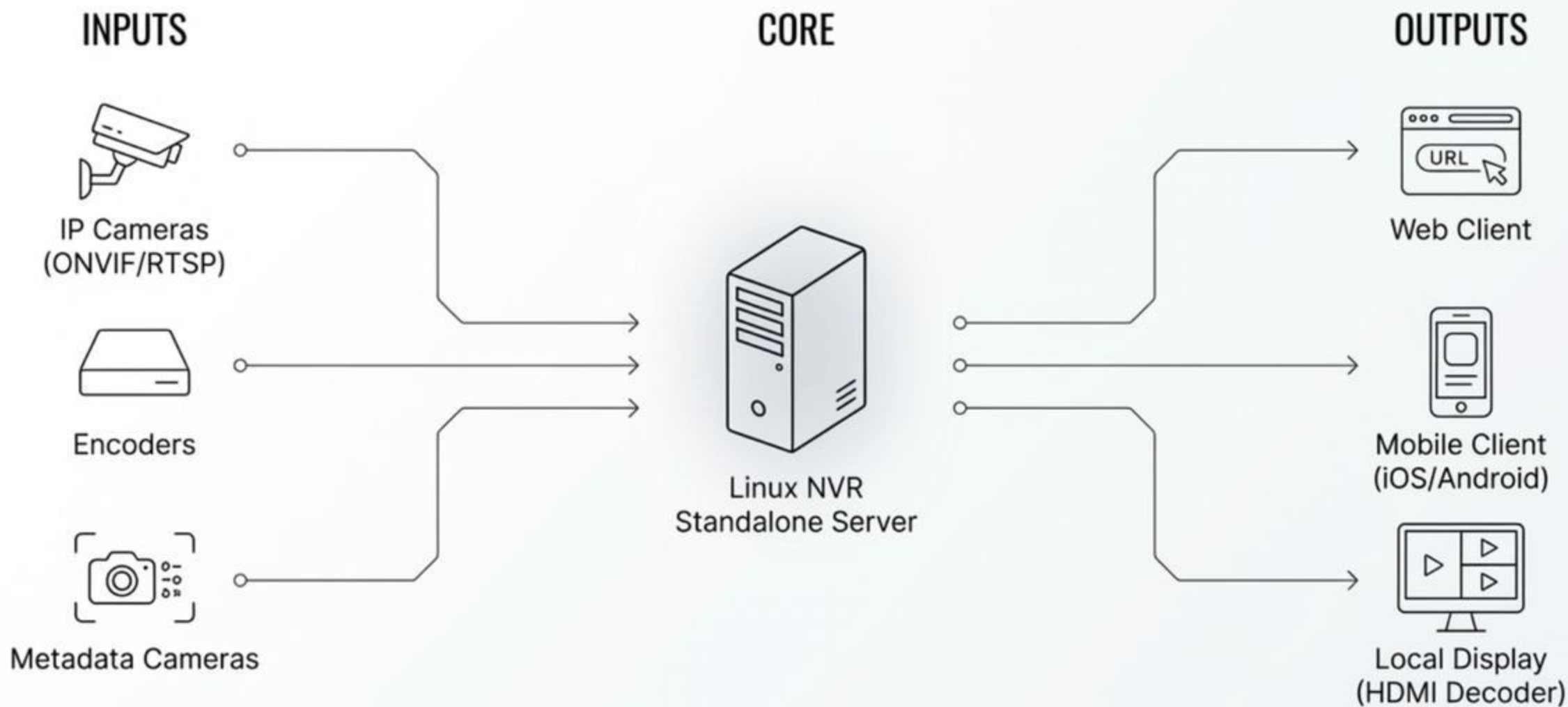
Intelligence & Event

- Triggers: Analytics, motion, digital input, tampering, audio.
- Responses: PTZ command, alerts, digital output, push video to FTP.

Security

- Secure Transmission: HTTPs, TLS 1.2, ICCS Level 1.

Architectures



Applications



Retail Management

- People Counting & Tracking
- Heat Mapping
- Intrusion/Loitering Detection



Intelligent Traffic (ITS)

- Vehicle Density (Traffic Jam)
- Line Crossing & Wrong Direction
- ALPR (License Plate Recognition)

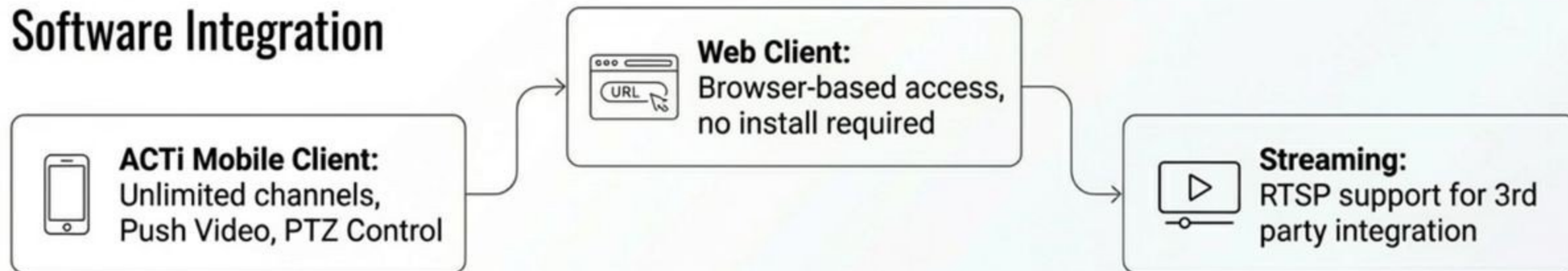


Security & Access Control

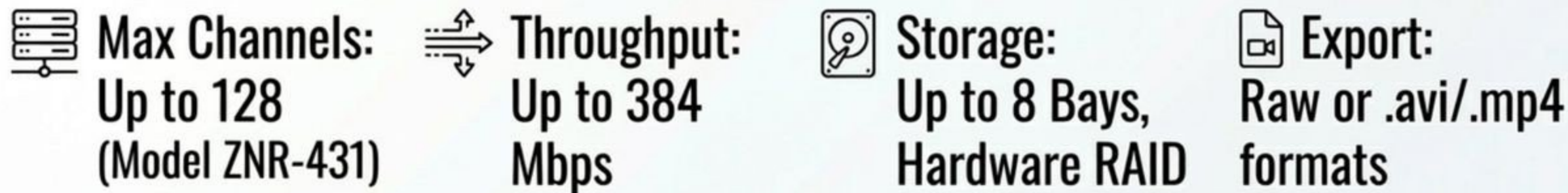
- Face Recognition & Detection
- Forbidden Area Detection
- Tampering Alarms

Solutions

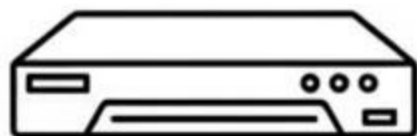
Software Integration



Standalone Server Capacity



Product Introduction



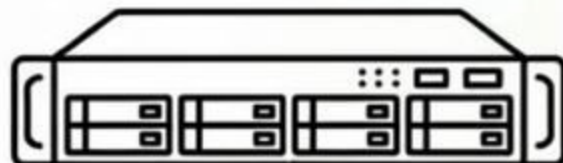
Mini Standalone Hybrid DVR (YVR-Series) - Analog + IP Recording



Mini Standalone NVR (ENR/ZNR Series) - 1 Bay, Compact, Cost-effective



Desktop Standalone NVR (ENR/KNR Series) - 2 Bays, Mid-Mid-range capacity



Rackmount Standalone NVR (ZNR/KNR Series) - 4-8 Bays, Enterprise RAID, Deep Learning

Product Matrix

Max Channels	Bundled Licenses	Built-in PoE	Product Models
4 Channels	4	4 (PoE)	ENR-010P, MNR-402P
8 Channels	8	0	YVR-120, KNR-120, ZNR-126, MNR-403P
9 Channels	9	8 (PoE)	ENR-020P
16 Channels	16	16 (PoE on select models)	YVR-121, KNR-121, ZNR-127, ZNR-129, ENR-130, ZNR-221P, ZNR-222P
32 Channels	32	0	YVR-122, ZNR-224, ENR-421, ZNR-423, ZNR-425, KNR-420, ZNR-429-32ch
64 Channels	64	0	KNR-421, ZNR-424, ZNR-429
128 Channels	128	0	ZNR-431

Comparison

Deep Learning Analytics

- Models: ZNR-429, ZNR-224, ZNR-431
- Capabilities: Forensic Search, Object Visual Tracking
- Benefit: Advanced AI embedded in NVR (No external server needed)

Throughput & Performance

- Entry Level (ENR): ~16-48 Mbps
- Pro Level (ZNR Rackmount): Up to 384 Mbps
- Optimized for high-bandwidth recording.

Compliance & Security

- NDAA Compliant: YVR, ZNR-126/127/129, ZNR-2xx, ZNR-4xx
- Compression: H.265 / H.264
- Cybersecurity: TLS 1.2, ICCS Level 1

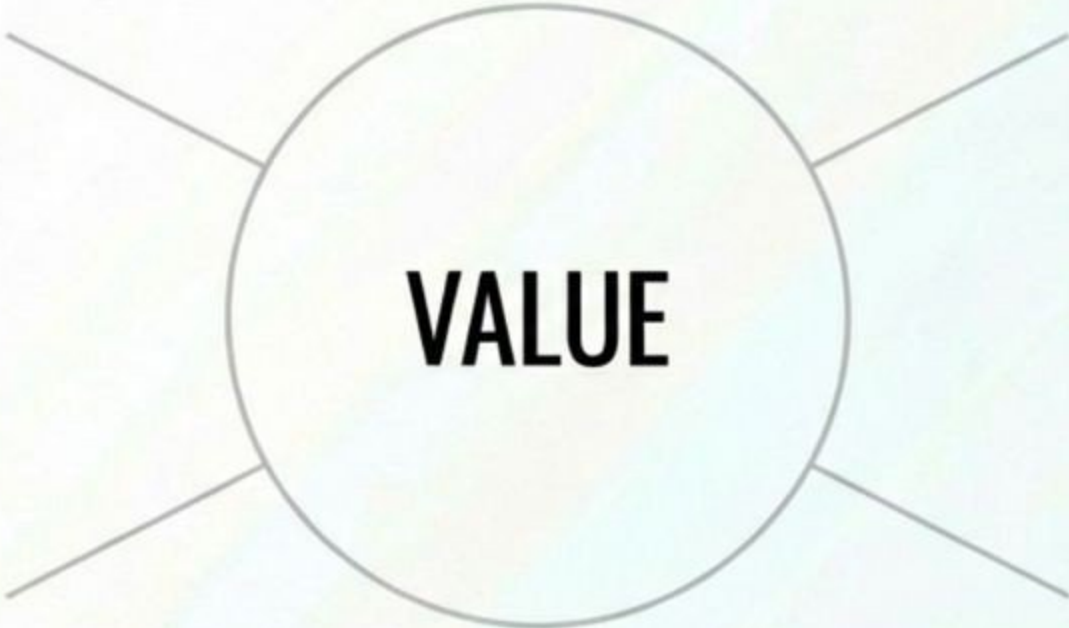
Summary

Stability

Linux architecture, high reliability, resource optimization.

Scalability

From 4-channel compact units to 128-channel enterprise servers.



VALUE

Advanced Features

Deep Learning Analytics (Forensic Search), RAID support.

Cost Effective

No OS licensing fees. Free firmware upgrades.

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