



Unified Platform for Managing Multiple NVRs

**On-Premise Video
Management System**

Break free from commercial hardware limitations to
meet the needs of any deployment scale

ARISAN

- / Centralized Management for Multi-Brand Surveillance Devices
- / Serve Multiple Viewers from a Single Video Stream
- / Seamless Integration of AI Events and Physical Alarm Signals
- / Timestamping Industry Data for Efficient Video Review

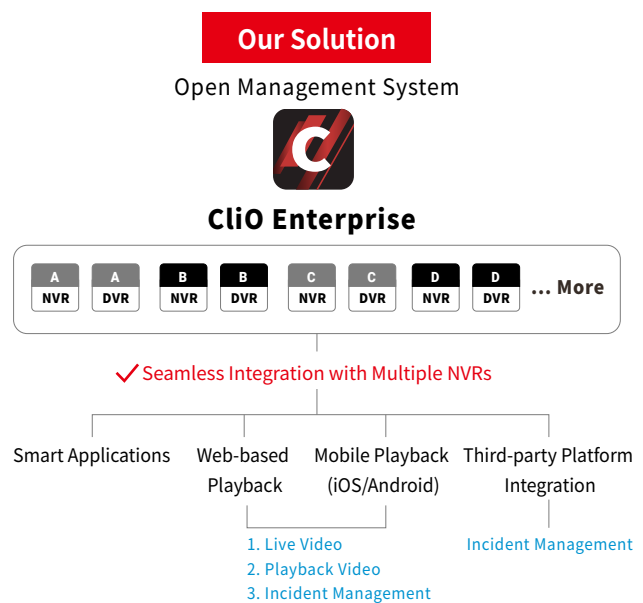
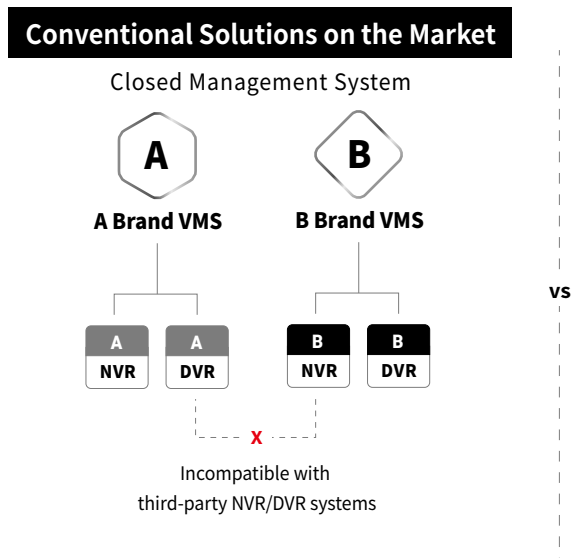
What is CliO Enterprise Edition?

CliO is a centralized Video Management System (VMS) that integrates most surveillance equipment on the market (IP cameras, NVRs, DVRs), without being restricted to a single brand. It combines multiple features such as AI video analytics, synchronized video and alarm events, video backup, and playback. Operated through a unified platform, it offers an intuitive user experience that simplifies data consolidation and centralized management, effectively resolving the compatibility issues found in traditional solutions.

CliO Enterprise Edition adopts an on-premise deployment model, utilizing on-site servers for flexible expansion to meet enterprise-level private deployment needs. This allows organizations to fully control and manage all their data and assets, making it especially suitable for those who prioritize privacy. CliO is committed to providing an efficient and intelligent management experience, helping enterprises achieve digital surveillance and smart operations.



Architecture Comparison



Advantages



Flexible Deployment with Self-Owned Hardware

Users can prepare their own hardware, and the software can be flexibly installed on various devices to ensure adaptable deployment and compatibility.



Direct Management

Video data stays internal and secure, with all equipment managed on-premise to meet enterprise and government security regulations.



Third-Party Integration Support

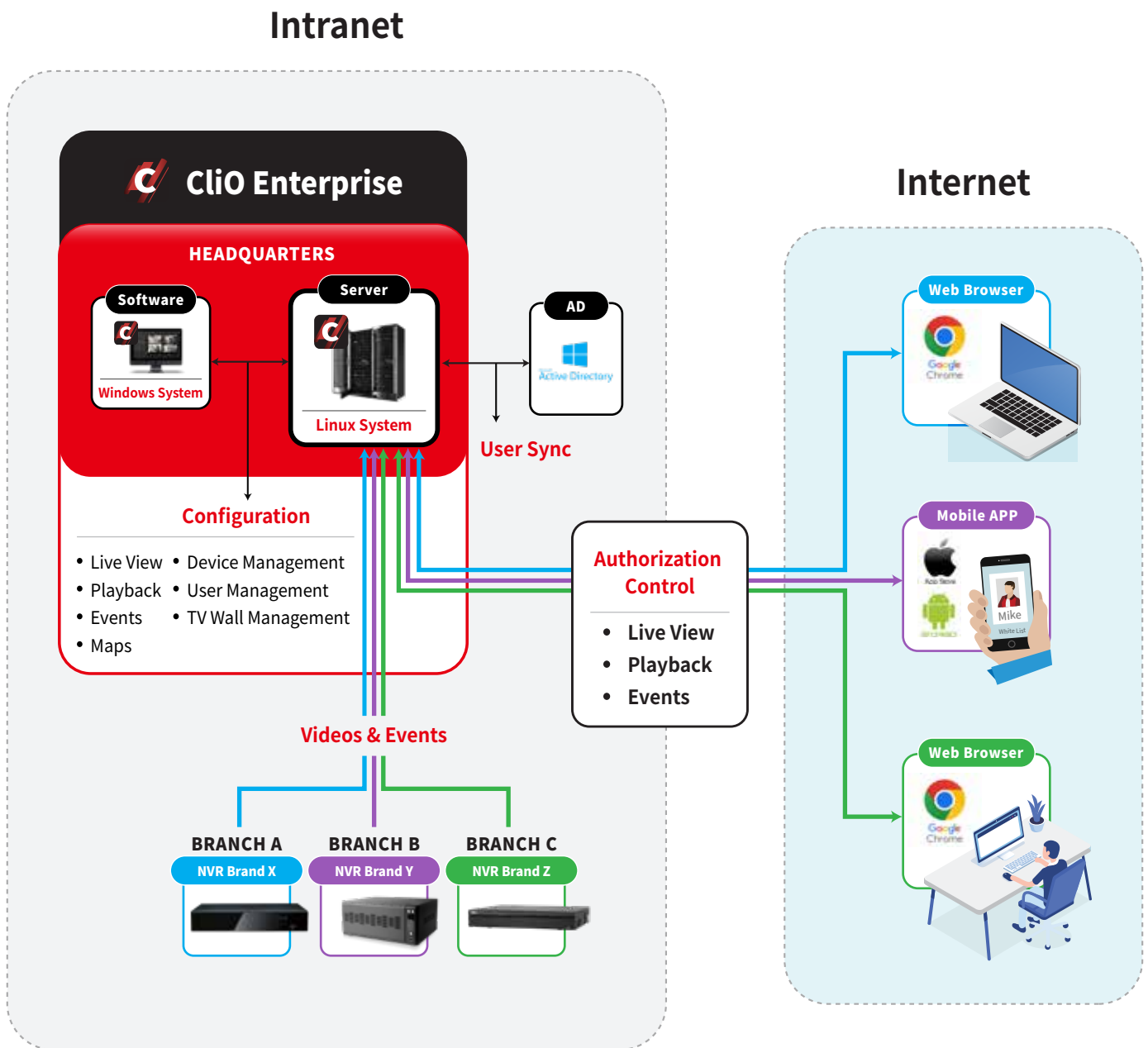
Accelerates system development and improves data integration efficiency through open access to data.



Customizable Brand Interface

Allows for brand logo placement and custom interface color schemes, enhancing brand consistency and user experience.

CliO Enterprise Infrastructure



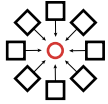
Infrastructure Highlight

1. Active Directory(AD) Support
2. Cross Branding NVR/DVR/XVR Support
3. Web & APP Support



CliO Enterprise

Core Features



Unified Management

of Multi-Brand Surveillance Devices

Enables centralized management of surveillance equipment from various brands—including analog cameras, IP cameras, and recording devices (IPCAM, NVR, DVR)—all within a single platform. This eliminates compatibility limitations and avoids the need to replace existing hardware, significantly reducing system upgrade costs.

With an intuitive interface, administrators can easily configure devices, view footage, and handle incidents without switching between multiple systems. The system can also be flexibly expanded or upgraded according to the growth and needs of the organization.



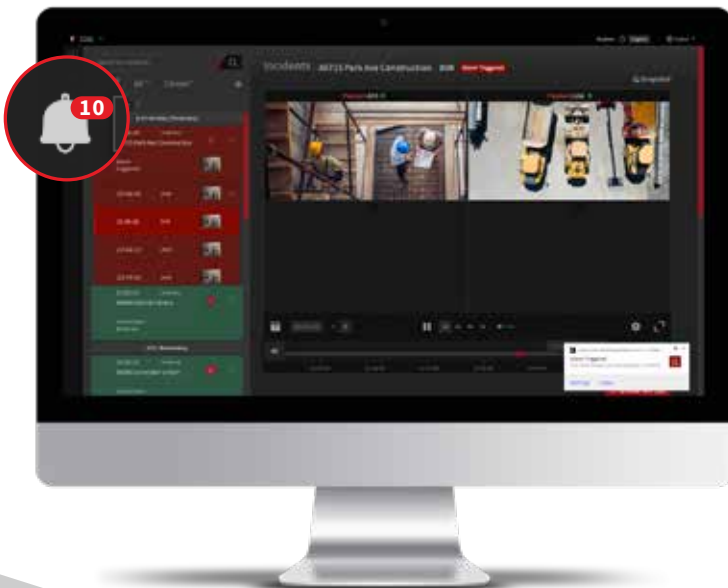
Seamless Integration

with Video AI Analytics
& Alert Notification Management

CliO Enterprise supports integration with third-party AI video analytics and alarm systems, significantly enhancing real-time event detection and response.

By incorporating designated third-party AI solutions, the system can automatically identify abnormal behaviors such as area intrusion, object missing or unattended object, and immediately issue alert notifications.

With accurate AI analysis, CliO Enterprise could reduce false alarms and help operators focus on truly critical events. Notifications are supported across multiple channels, including in-app alerts, emails, and mobile push notifications, ensuring no important event is missed.



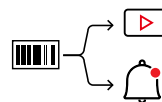


Enterprise-Grade Video Broadcasting

Multi-User Simultaneous Viewing

The system efficiently distributes live video streams and supports simultaneous access by multiple clients. Even with a high number of concurrent connections, transmission remains stable and smooth.

Advanced load balancing technology is employed to automatically allocate system resources and prevent server overload. It supports various devices including desktops, tablets, and smartphones to accommodate different usage scenarios. Dedicated channel groups can be created for each department to help users quickly locate video streams relevant to their responsibilities.



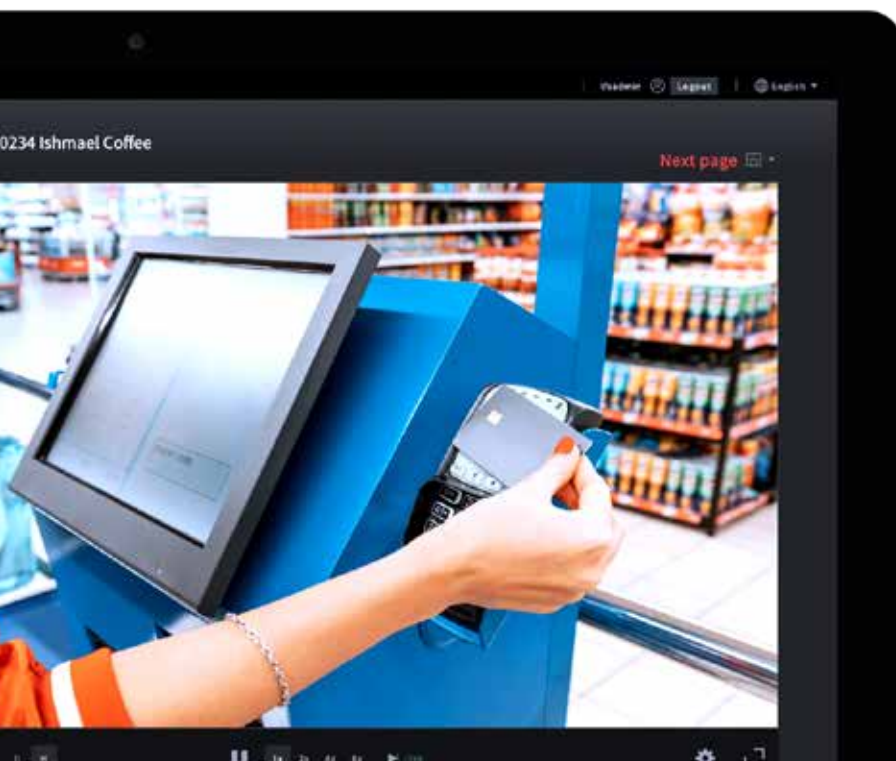
Cross-Industry Data Integration

Boost Operational Efficiency

Video data can be deeply integrated with manufacturing (production monitoring), retail (POS transactions), and logistics (barcode tracking), enabling quick incident review and enhanced management efficiency. Through data integration, administrators can verify video footage with business data to quickly identify the root cause of issues.

Tailored application solutions are available for different industry scenarios, such as production line anomaly detection, retail loss prevention, and warehouse security monitoring.

The data analysis function can generate a variety of statistical reports, assisting enterprises in trend analysis and decision optimization to achieve true digital management.



Success Stories

1

Government Agency Integration

Integrating multiple NVR brands to improve efficiency

Challenge: A government agency had surveillance systems procured over the span of multiple decades, resulting in a mix of NVRs from five different brands. Video footage was scattered across systems, making centralized management impossible. The operations center could not quickly retrieve footage or access historical video. Additionally, due to incompatible protocols and access methods across brands, integration was difficult and inefficient.

Solution: We integrated the various protocols and access methods of the different NVR brands, enabling continued use of existing equipment. All video data was unified under CliO Enterprise, providing a single access point that allowed the command center to:

Instantly view footage:

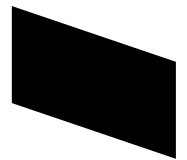
Without switching between systems

Quickly replay historical footage:

Reducing response time

Centralize event management with auto-tagging and alert logging:

Enhancing decision-making efficiency



2

Airport Video Broadcasting

Stable video delivery through broadcasting technology

Challenge: At one of the world's top 10 cargo airports, different departments (security, ground crew, air traffic control) had difficulty quickly accessing relevant camera feeds. When multiple users were online simultaneously, video lagged or disconnected. The system couldn't handle high demand, leading to poor video performance and inefficiency in daily operations.

Solution: Without replacing the existing camera hardware, we used CliO Enterprise to convert real-time surveillance into a broadcast format (RTSP to HLS) and implemented flexible access control. This allowed departments to:

Efficiently distribute video in a broadcast format:

Supporting simultaneous access without lag or server overload

Use load balancing to manage multiple broadcasting servers:

Preventing hotspots from overwhelming a single server

Set up channel groups for each department:

Making it easier to access relevant live feeds as needed

3

Smart Logistics Application

Integrating video surveillance with barcode systems to enhance shipping operations

Challenge: A logistics company operates multiple distribution centers, with its barcode system and surveillance systems operating separately. When incidents occur, staff cannot use a single platform to simultaneously access barcode information and corresponding video footage. To locate a specific shipment, staff must first search the barcode system, then manually access two separate NVR systems to find the relevant footage—causing inefficiency and management difficulties.

Solution: We integrated the company's existing barcode system with CliO Enterprise. In addition to unifying barcode data, we consolidated video playback from two different NVR brands into the same interface. This allows operators to:

Access all data via one platform:

Staff can input or scan a barcode to instantly locate and review corresponding video footage, without switching between systems.

Leverage the full benefits of CliO Enterprise:

Real-time viewing, historical playback, and event search across multiple NVRs—ensuring smooth daily operations.



Comparison: Traditional VMS vs. CliO Enterprise

	Traditional VMS	 CliO Enterprise
Multi-brand Compatibility	Limited Only supports specific NVRs	Open  Compatible with multiple brands (IPCAM, NVR, DVR)
AI & alarm Integration	Limited Tied to specific AI solutions	Open  Supports integration with third-party AI and alert systems
Scalability	Limited Limited by closed-brand ecosystem	Open  Open architecture with enterprise-grade infrastructure support
Cross-industry Applications	Limited Focused solely on video surveillance	Open  Integrates with retail, logistics, and manufacturing business data
Deployment Flexibility	Limited Users must set up their own server and hardware	Open  Offers both cloud and on-premises deployment options with flexible scalability

Q&A

Q: What makes CliO Enterprise different from other VMS solutions on the market?

Traditional VMS systems are often restricted by brand-specific architectures, allowing management only of their own DVRs or NVRs. While many NVRs support third-party IP cameras, when a business needs to centrally manage multiple NVRs from different brands, most available solutions fall short. Most VMS platforms can only manage their own brand of NVR, failing to achieve true cross-brand integration.

CliO Enterprise breaks through this limitation by enabling centralized management of multi-brand NVRs. No matter how many NVRs from different vendors are in your surveillance infrastructure, CliO Enterprise can seamlessly integrate them into a single platform. It provides real-time video, playback, and event management, ensuring the entire monitoring system can be efficiently operated from one interface—regardless of brand.

Q: Why do I need CliO Enterprise's video broadcasting feature? What problems does it solve?

In many surveillance scenarios, real-time viewing is just as important as video recording and playback. In some cases, multiple users need to access live video simultaneously, which poses challenges for traditional systems. Common problems include:

- ✗ Limited concurrent access – Traditional NVRs typically support only a few simultaneous viewers. Exceeding the limit may cause video lag or failure to connect.
- ✗ High system load – NVRs are not designed for heavy simultaneous access. Multiple users accessing live feeds may impact recording performance or even crash the system.
- ✗ Requires dedicated software – Traditional VMS platforms usually require dedicated apps or software to view video, making it difficult to share with external parties or access across mixed-brand environments.

Q: What features does the video broadcasting solution offer?

The video broadcasting feature is a standalone video distribution solution independent of the NVR/VMS, designed to improve live video accessibility and flexibility. Its key features include:

- ✔ Real-time video distribution – Allows large numbers of users to view live feeds simultaneously without affecting the original recording system's performance.
- ✔ Cross-brand support – No software installation needed. Video can be viewed directly via a web browser on smartphones, computers, or tablets.
- ✔ Flexible access control – Define access permissions for different users, ensuring both security and usability.

Q: How does CliO Enterprise ensure system stability for video broadcasting?

CliO Enterprise broadcasting servers support load balancing, which dynamically allocates server resources for video distribution. Rather than binding specific cameras to fixed servers, the system flexibly adjusts camera-server connections based on real-time system load. This architecture enhances overall system stability, ensuring smooth video broadcasting even under high traffic or in the event of server failure.

Q: What are the bandwidth, hardware requirements, and channel capacity per CliO Enterprise server?

CliO Enterprise servers do not have a fixed maximum limit. Performance depends on local network bandwidth, number of concurrent users, and the size of the video streams.

Based on current test specs: using Linux OS, 16GB RAM, and an i7 processor, a single server can support up to approximately 8,000 channels.

Q&A

Q: What is the pricing model and service coverage for CliO Enterprise license activation?

License activation is based on a one-time fee per channel. Once activated, the license includes one year of warranty, covering free software updates. After the warranty expires, an additional fee is required to continue receiving updates.

Q: Does CliO Enterprise support customization?

Yes. CliO Enterprise is built around a project-based collaboration model, allowing for integration with various brands of NVRs and adaptation to existing business systems such as production lines, logistics barcodes, or POS transaction data.

We also provide UI customization services to fit your brand or workflow. For more specialized project needs, please feel free to contact us anytime.

Agent/Reseller

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