



BROCHURE

Octave Coda Video



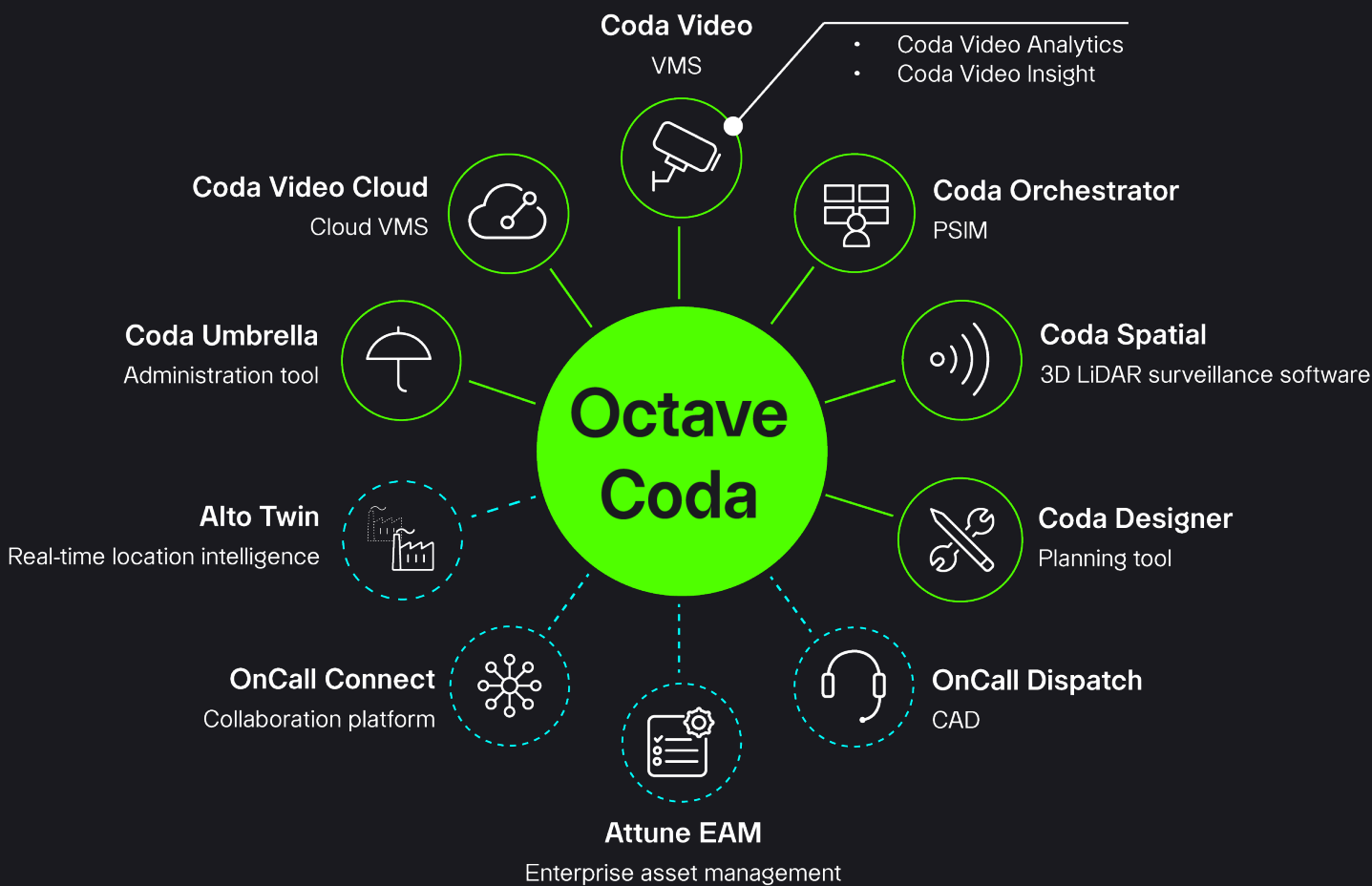
The power of Octave Coda

Organizations worldwide are increasingly encountering heightened threats and risks due to surges in global crises, trade conflicts, political instability and the consequences of climate change. In response to these challenges, there is a growing need for holistic security concepts that effectively protect people, properties and assets.

To address these issues, Octave developed Octave Coda (formerly HxGN dC3), a unified physical security software portfolio designed to manage the entire lifecycle of an incident and minimize its impact. This innovative portfolio allows you to detect, validate, investigate and collaborate for smarter physical security response.

Coda also leverages the power of Octave’s broader solution portfolio, which contains powerful mapping and visualization capabilities, dispatch and collaboration tools and enterprise asset management (EAM) technology.

The Octave Coda portfolio



Octave Coda Video

The heart of your physical security ecosystem

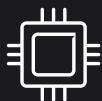
Octave Coda Video (formerly HxGN dC3 Video) is an enterprise-class video management software (VMS) solution – the result of 25-plus years of physical security expertise and the VMS of choice for organizations that place great importance on security. Built to meet the unique requirements of enterprise video users and interact with a wide variety of third-party systems, devices and sensors, it is the perfect choice to sit at the heart of your physical security ecosystem.

Thanks to its modular architecture, Coda Video is designed to adapt to the ever-changing requirements of enterprise projects, making it a flexible and future-proof solution even beyond physical security.



Low TCO

Coda Video minimizes your hardware footprint and keeps total cost of ownership low thanks to its incredibly efficient recorder architecture.



Connectivity

Coda Video fits seamlessly into your physical security ecosystem: open interfaces enable convenient bidirectional integration of third-party systems (video analytics, access control, intrusion detection, etc.).



Management

Coda Video allows you to map individual organizational structures through detailed rights and role management and Active Directory integration.



Usability

Coda Video has individually configurable alarm scenarios that enable quick response in case of an event. Different client types (native, web and mobile) offer flexible access to your VMS – even remotely.



Security

Coda Video uses state-of-the-art encryption to secure data transmission among different components, and automated patch delivery via the Update Server ensures it always stays up to date and secure.



Resiliency

Coda Video systems are optimally protected against system failures due to integrated redundancy and failover processes.

Intuitive handling

Coda Video combines maximum functionality and user friendliness. The user interface stands out with an exceptionally clear, modern layout, which offers intuitive user guidance. Coda Video exploits the benefits of modern operating concepts and combines them with ingenious functionality and optimized ergonomics – right down to a glare-free night mode.



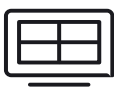
Click2Track
Track people directly in the camera view with just a single click



Customizable view
Customize day / night mode, archive and live image in a mixed view



Monitor wall support
Drag and drop views onto video walls



Predefined 2 x 2 view
Improve understanding of events with Predefined Alarm / Live / Archive / Trigger View



Color definitions
Leverage color-coding to categorize alarms and maintain consistent visibility and prioritization



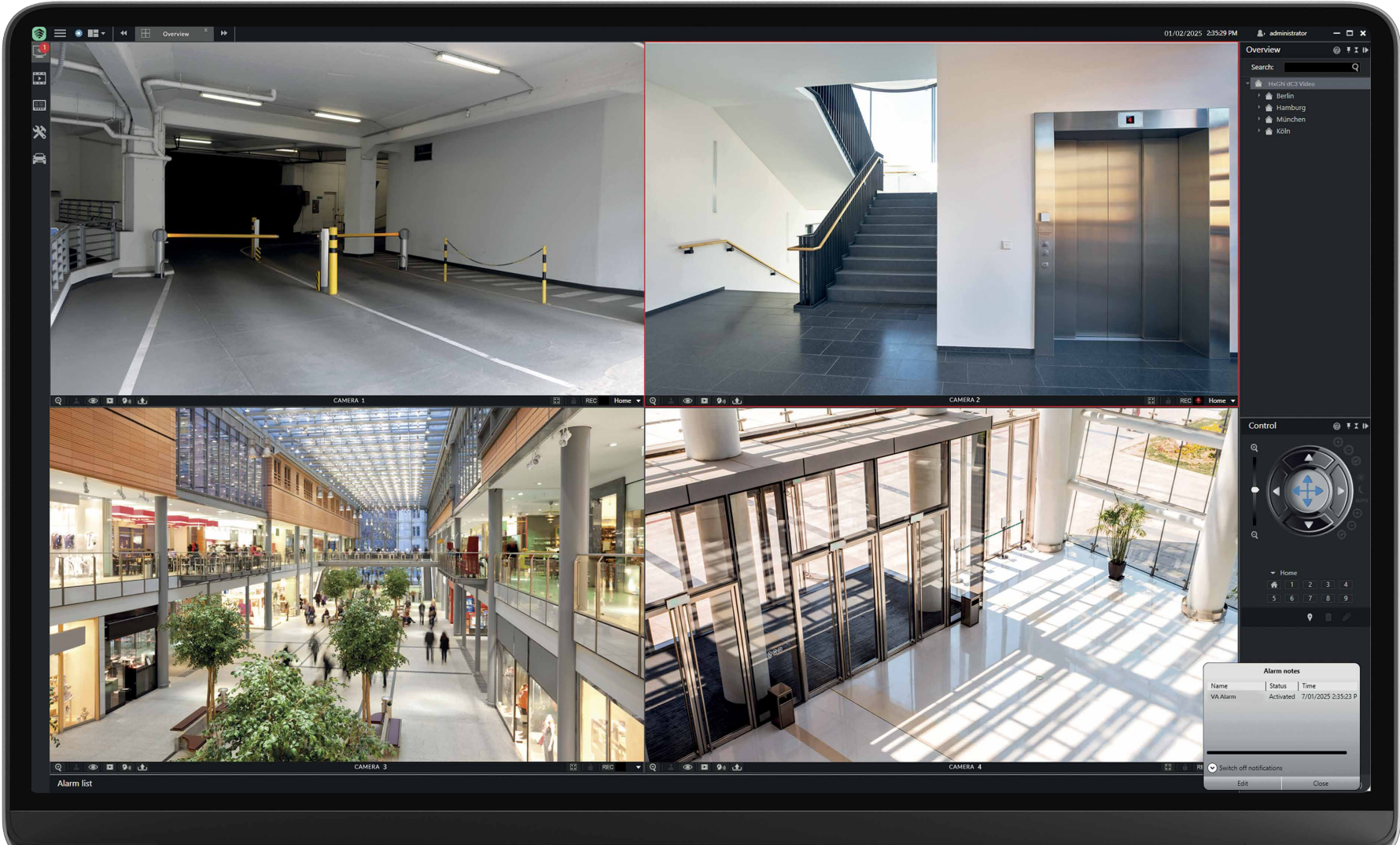
Alarm management
Keep all current alarms on-screen, even in Archive mode, with alarm counter and pop-up notifications



Multicamera configuration
Configure multiple cameras at once for quick and efficient setup



Lasso select
Select cameras with the lasso directly in the layout plan – to understand a situation as fast as possible



Audio control panel
Use integrated audio control panel for bidirectional audio and VoIP communication



PTZ control
Control PTZ cameras for intuitive and quick navigation

Time-saving and efficient functionalities

Coda Video features a clear, well-structured UI that intuitively guides you through any task while providing direct access to all extension modules. It ensures continuous situational awareness for operators and enables rapid response across Live, Archive and Configuration modes. Designed for ease of use, Coda Video allows you to work quickly and effectively, even after only a brief familiarization period.



Seamless integrations

Systems

- Industry-specific systems like PoS and ERP are integrated quickly and easily thanks to a driver-based approach
- Security systems such as building management, access control, intrusion and fire alarms as well as control center solutions can be integrated via interfaces
- Third-party systems can be integrated via network I/Os and TCP triggers
- VoIP-enabled devices are connected via integration of SIP servers
- OPC UA, the leading cross-system standard in automation and safety technology, is supported
- Active Directory support / single sign-on for central administration and rights assignment is available for all users, along with convenient system access

Hardware

- Coda Video is manufacturer independent – it supports a large number of camera models from various manufacturers
- Many other camera models can be integrated via the ONVIF standard
- Analog cameras and systems are integrated via video encoders
- Smart Drivers allow easy integration of new camera models

Analytics

- In addition to Octave Coda Video Analytics (formerly HxGN dC3 Video | Analytics), other third-party video analytics (server or camera based) can be flexibly integrated via the analytics interface

Video analytics and license plate recognition (LPR)

In times of ever larger and more complex systems and increasing staffing issues, it is important to quickly draw an operator’s attention to a relevant situation. Video analytics can help – and Coda Video offers a wide range of powerful analytics capabilities.

For example, the Octave Coda Video Analytics package adds a range of advanced real-time analytics functions. It covers video-based perimeter protection but also provides functions such as 2D counting, object detection, fire and smoke detection and facial recognition.

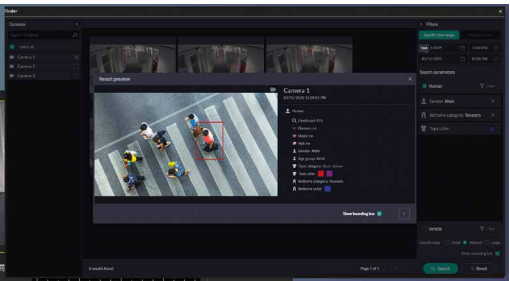


There are also two solutions for automatic LPR available for Coda Video. A powerful standard solution enables license plate formats from more than 50 countries to be detected and read automatically (including all 50 U.S. states). Furthermore you can also distill information on car models and colors – depending on the license tier. A more sophisticated AI-powered LPR solution allows for even higher accuracy and can be used, for example, for high-performance access control and vehicle counting based on license plates.

Powerful forensic search

Octave Coda Video Locator (formerly HxGN dC3 Video | Finder) is a nonproprietary forensic search tool that leverages the capabilities of edge devices and third-party analytics and can be used to quickly locate persons or vehicles of interest.

It speeds up investigations significantly by enabling operators to search, retrieve and replay recorded camera



footage using search criteria supported by natural language AI. Examples include physical attributes such as color (of a vehicle or a piece of clothing), or typical accessories (like persons wearing glasses or hats), etc.

Focusing on your needs

Physical security solutions are never static. Use cases and regulations vary from industry to industry, and technology is constantly evolving.

Focusing on the outcomes for large organizations in different industries and environments, Coda Video was designed to meet specific and dynamic requirements – to provide the maximum level of security.

Retail

Rethinking retail security systems



Offering advanced functionalities to support loss prevention and better understand shopping behavior, Coda Video is designed to meet the specific requirements of retail chains.

It provides retailers with holistic security solutions that span the brick-and-mortar stores as well as e-commerce warehouses, leveraging advanced process visualization capabilities.

Protect critical services with greater visibility and resilience

Operators must secure facilities and assets while maintaining uninterrupted operations. Coda Video allows teams to monitor mission-critical environments, detect threats faster and maintain real-time awareness.

By integrating video with analytics, access control and perimeter security systems, Coda Video streamlines incident response and supports informed decision-making. Its scalable architecture helps organizations reduce risk, strengthen operational resilience and protect essential services.



Utilities and critical infrastructure

A unified layer of operational intelligence built on proven technology

Millions of passengers use public transportation every day, and video security managed by Coda Video is an essential part of protecting people in airports, train and subway stations and more.

Coda Video helps transportation companies make their infrastructure safer and more secure, optimize operating and emergency procedures and, ultimately, save costs.



Transportation

Maintain control, enhance safety and respond with confidence



In these environments, every decision depends on timely information and clear situational awareness. Operators need to maintain oversight of facilities, track events and quickly access evidence to support investigations and compliance requirements.

Coda Video’s open architecture allows video to be combined with access control, analytics and other security technologies. It helps correctional organizations improve operational effectiveness, strengthen security protocols and increase confidence in day-to-day decision-making.

Empowering safer learning and working environments every day



Operators need to protect people, assets and daily operations in increasingly complex environments. Coda Video empowers security teams to enhance safety, accelerate response times and reduce risk across schools, universities, business parks and corporate headquarters.

By unifying video, analytics and access control, Coda Video provides greater situational awareness, faster incident verification and more effective threat response. The result is a safer environment for students, faculty, staff, employees and visitors.



Cybersecurity

Coda Video is well protected on the system level: data traffic between the server and client is safely encrypted. This is just one reason why it has been certified for various sensitive and critical use cases, e.g., within the financial sector.

Since security threats are ever changing and technological advancements never stop, Coda Video always adapts to new challenges. Regular security patches distributed with the help of an AutoUpdater ensure your version of Coda Video is always up to date – even automatically with a valid support and maintenance agreement (SMA).

Privacy and data protection

Coda Video provides a comprehensive set of features designed to ensure secure video system operation while safeguarding the privacy of employees, customers and visitors.

For example, sensitive areas of the image or moving objects can be anonymized. Additional administrative functions such as the four-eye principle (passwords must be entered by at least two people) provide software security when it comes to who can see recorded data.

Privacy masking

Sensitive image areas (e.g., break and recreation rooms, public areas) are masked by a freely definable area and hidden in the live and archive images, depending on rights.

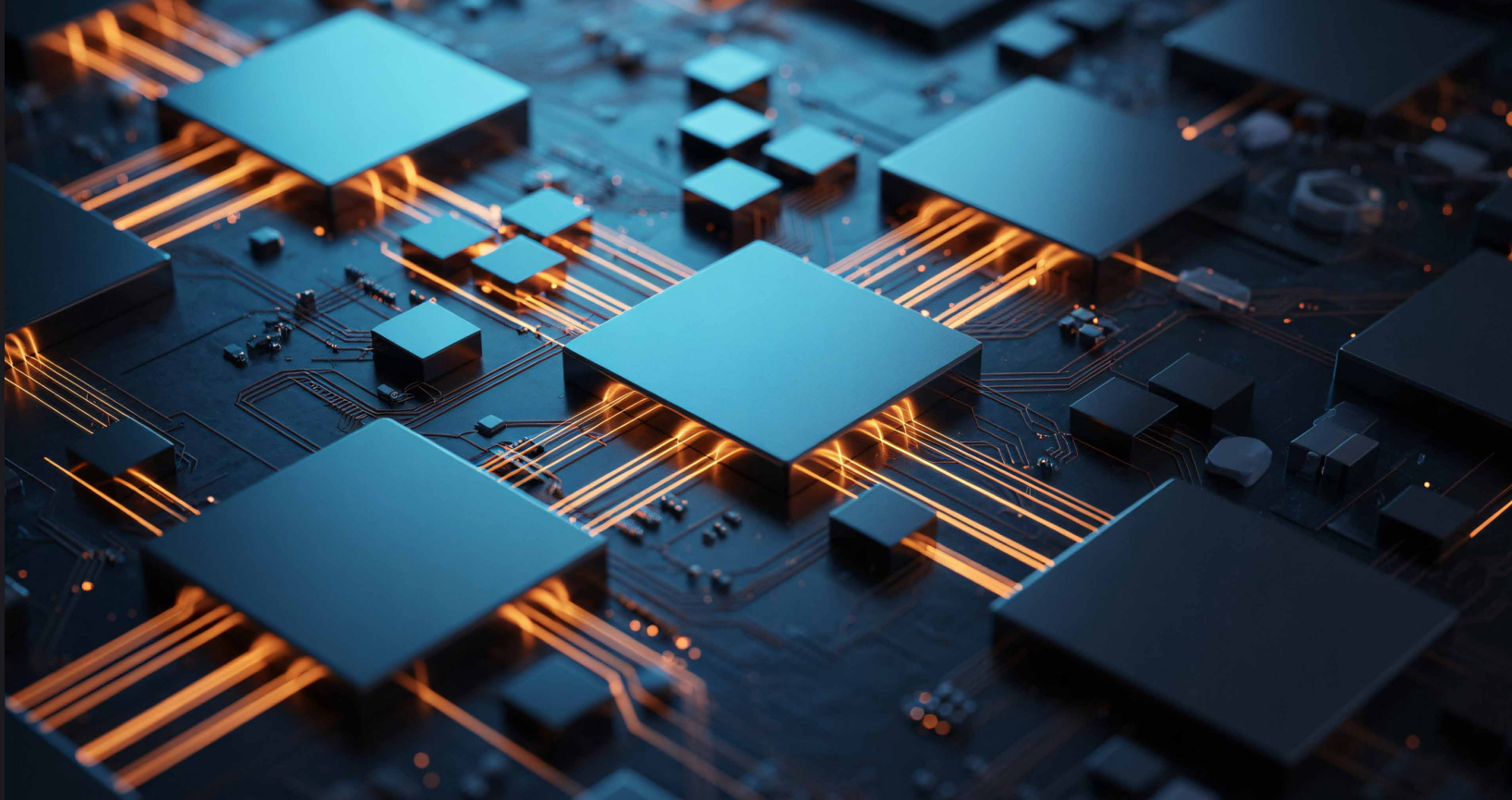
Motion scrambling

Moving objects or objects that differ from a reference image defined in advance are displayed pixelated in the live image and anonymized.

Flexible configuration

Coda Video can be customized easily to fit the needs of any company, no matter the size. Because software installation can be distributed across multiple servers, those servers can be positioned in different locations (e.g., stories) if required.

All systems – even large, globally distributed ones with thousands of cameras – can be managed and controlled centrally using Coda Video. The system architecture physically separates the clients from the server side. Because recording of image data and communication with cameras are integrated system services, no separate programs or local logins are needed.



User management with different administrator levels

Coda Video facilitates the management of over 1,000 users. Detailed rights to control cameras or access Coda Video components and functionalities, such as buttons, bookmarks or maps, can be assigned to each user individually. That means a user rights matrix based on the organizational structures of your company can be created.

Advanced alarm scenarios

Give you the ability to define and specify complex alarm scenarios as to how to respond to specific events in case of an alarm, or which third-party systems are actuated

Wizard

Provides step-by-step workflows to easily create new system elements such as cameras or alarm scenarios

Multiconfiguration tool

Simplifies and accelerates the setup of multiple cameras and camera groups

Resiliency

Coda Video's high availability is achieved by a combination of redundant system management and fail-safe recording. Using standard IT equipment, you can reduce system downtime to a minimum – regardless of its complexity.

Redundancy

If the central administration server is unavailable, a proxy server comes into play and permits error-free operation of the system with existing user rights (island mode). Windows Cluster and virtualization are supported.

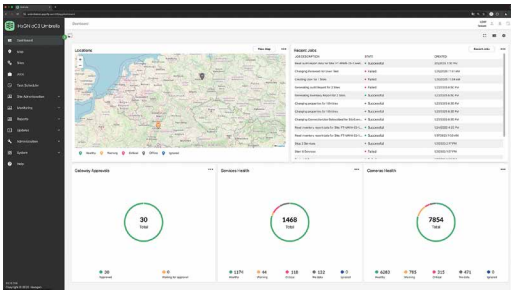
Mirrored recording

To avoid gaps even when a recording server is removed or damaged, the system can be configured to mirror all recordings.

Failover

If a recording server fails, a hot-standby server automatically takes over and recording continues reliably.

Administration and monitoring



Video surveillance projects have become larger and more complex, demanding more resources and increasing operational costs. Managing the configuration of multiple sites is time consuming and monitoring the health status of all servers and cameras across locations is a challenge. Organizations frequently overspend on technical expertise and unnecessary

licenses, as well as potentially expose themselves to regulatory risk. As an extension module for Coda Video, Octave Coda Umbrella (formerly HxGN dC3 Umbrella) enables the configuration, management and monitoring of all connected VMS systems across multiple sites using state-of-the-art web technology.



Configuration

The Configuration Module enables you to quickly and easily perform recurring administrative tasks for many independent Coda Video systems in one go.



Monitoring

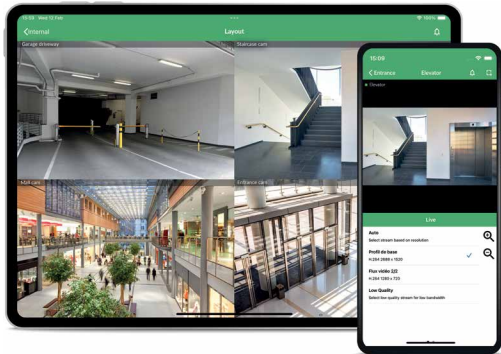
The Monitoring Module provides fast and clear information about the status of the connected Coda Video systems.



Reporting

The Reporting Module allows for easy and quick documentation of the important parameters of the VMS configuration as well as of changes made by users.

Access systems from anywhere



The Octave Coda Mobile Client (formerly HxGN dC3 Mobile Client) allows fast, straightforward access to your Coda Video installation from anywhere in the world. It's available for iOS and Android and supports 4G / 5G and Wi-Fi connections.

Variable and scalable

Package		BASIC	ADVANCED	INFINITY
GENERAL	Number of cameras	50	unlimited	unlimited
	Number of servers	1	unlimited	unlimited
	Number of clients	5	unlimited	unlimited
	Number of I/O devices	unlimited	unlimited	unlimited
	Number of cameras per server	50	unlimited	unlimited
MANAGEMENT	Centralized management	-	•	•
	Multilevel administration	-	•	•
	Video restriction	-	-	•
	Camera sharing	-	-	•
	Multi-installation login	•	•	•
	Camera edge-storage support	-	•	•
	Redundant management server	-	•	•
	Recorder failover	-	optional	•
	Mirrored recording	-	-	optional
	Logical grouping	-	-	•
HANDLING	Active Directory support	•	•	•
	OpenID	-	optional	•
	Extended recording and access	-	-	•
	Cloud storage	optional	optional	optional
	Maps	•	•	•
INTEGRATIONS	Advanced maps (ESRI)	-	optional	optional
	Advanced alarm scenarios	-	•	•
	Click2Track	-	optional	•
	Video file reader	-	optional	optional
	SDK	optional	optional	optional
ANALYTICS	Analytics Interface	optional	optional	optional
	Events Interface	optional (intrusion) ¹	optional	optional
	Intercom integration (events)	-	•	•
	OPC UA server	-	•	•
	VoIP support	-	optional	•
MISC.	Coda Umbrella interface	•	•	•
	Coda Video Insight	optional	optional	optional
	Body cam integration	-	optional	optional
	Mobile cam integration	optional	optional	optional
	Coda Video Locator	optional	optional	optional
	Coda Video Analytics	optional	optional	optional
	License plate recognition	optional	optional	optional
	Reference image comparison	-	-	•
	Motion scrambling	-	•	•
	Transcoded archive playback	•	•	•
	Display agent (video wall)	-	optional	•

¹ According to a defined list. A list of supported solutions / devices will be provided by Octave on request.

About Octave

Octave is a leader in enterprise software, turning data into decisive action and intelligence into your edge. Our software solves for and simplifies complexity, from the design and build to operations and protection of people, property and assets – for any scope, at any scale. For decades, we've partnered with customers to sharpen performance, elevate efficiency and amplify results. From factory floors to entire cities, our solutions are tuned to scale up what's possible from day one onward.

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