



Qognify
VMS

**QOGNIFY
VIDEO
MANAGEMENT
SYSTEM**

 Qognify

QOGNIFY VMS THE HEART OF YOUR PHYSICAL SECURITY

Qognify VMS is an enterprise-class video management software based on the proven Cayuga security platform. Built to meet the unique requirements of enterprise video users and to interact with a wide variety of 3rd-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, Qognify VMS is designed to adapt to the ever-changing requirements of enterprise projects, thus making it a flexible and future-proof solution even beyond physical security.



Low TCO

Thanks to its incredibly efficient recorder architecture, Qognify VMS minimizes the hardware footprint and thus keeps the total cost of ownership very low.



Connectivity

Fits seamlessly into your physical security ecosystem: open interfaces enable the convenient bi-directional integration of 3rd-party systems (video analytics, access control, intrusion detection, etc.).



Management

Individual organizational structures can be mapped through detailed rights and role management and Active Directory integration.



Usability

Individually configurable alarm scenarios enable quick response in case of an event.

Different client types (Native, Web and Mobile Client) offer flexible access to your VMS – even remotely.



Security

Qognify VMS uses state-of-the-art encryption to secure the data transmission between different components.

Thanks to automated patch delivery via the Update Server, Qognify VMS always stays up to date and secure.



Resiliency

Thanks to the integrated redundancy and failover concept, Qognify VMS systems can be optimally protected against system failures.

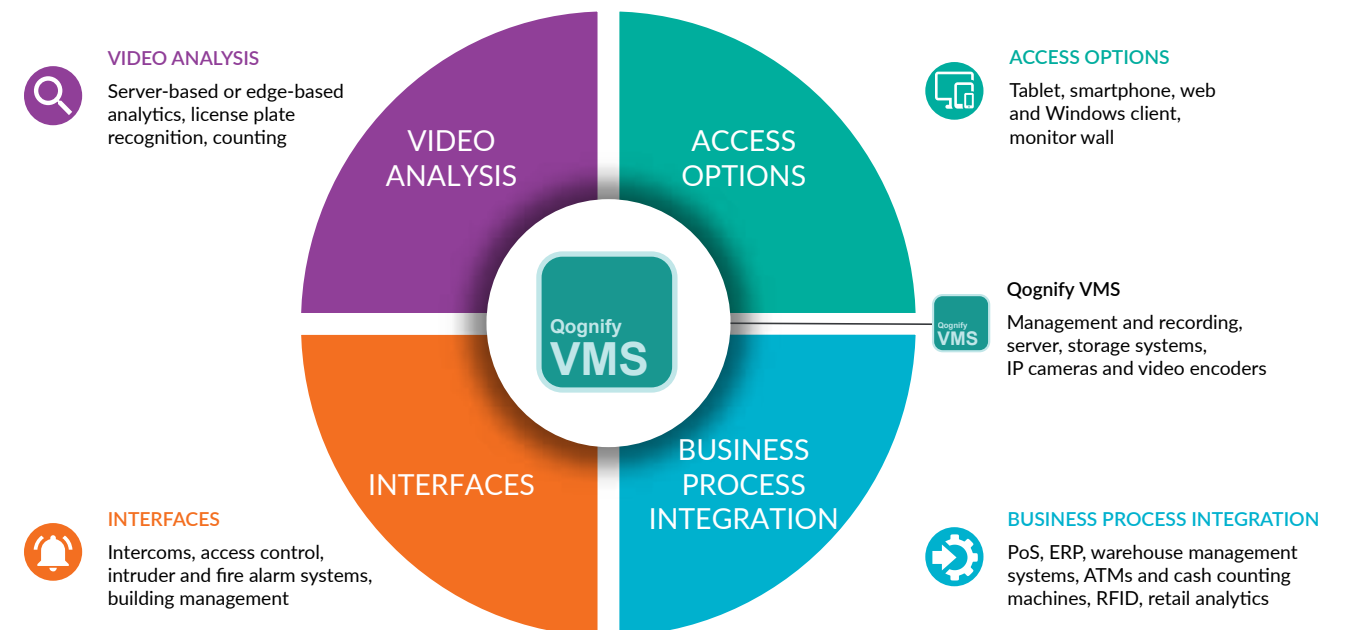
QOGNIFY VMS INFINITE CONNECTIVITY

Due to its high degree of openness and flexibility Qognify VMS allows individual 3rd-party systems to be integrated, thus making it the ideal solution for large and challenging projects requiring interoperability between multiple solutions.

The effort is low for new installations because Qognify VMS can be quickly and easily integrated into your existing system environment. Connectivity also means that old systems can be retained and can continue to be used. All this ensures that Qognify VMS delivers cost-effective and sustainable solutions.

MULTIPLE INTERFACES

Via a set of powerful interfaces, Qognify VMS can interact with a large number of 3rd-party systems in your software ecosystem: Software Development Kit (SDK), Gateway Services (SGS), Qognify Analytics Interface (QAI), Qognify Event Interface (QEI), OPC UA Server.



QOGNIFY VMS INTUITIVE HANDLING

Qognify VMS combines maximum functionality and user-friendliness. The user interface stands out with an exceptionally clear, modern layout, which offers intuitive user guidance. Qognify VMS 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

To track people directly in the camera view with just a single click.



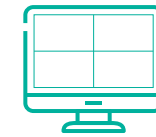
Customizable View

E. g. day/night mode, archive and live image in a mixed view.



Monitor Wall Support

Placing views via “drag & drop” onto video walls.



Pre-defined 2 x 2 view

Contains Pre-defined Alarm-/Live/Archiv/Trigger View – for an improved understanding of events.



Color Definitions

Use colors to classify alarms in order to always stay on top of things.



Alarm Management

Alarm counter and pop-up notifications – to have all current alarms always on screen, even in Archive mode.



Multi Camera Config

Configure multiple cameras in one go for quick and efficient setup.

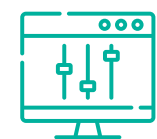
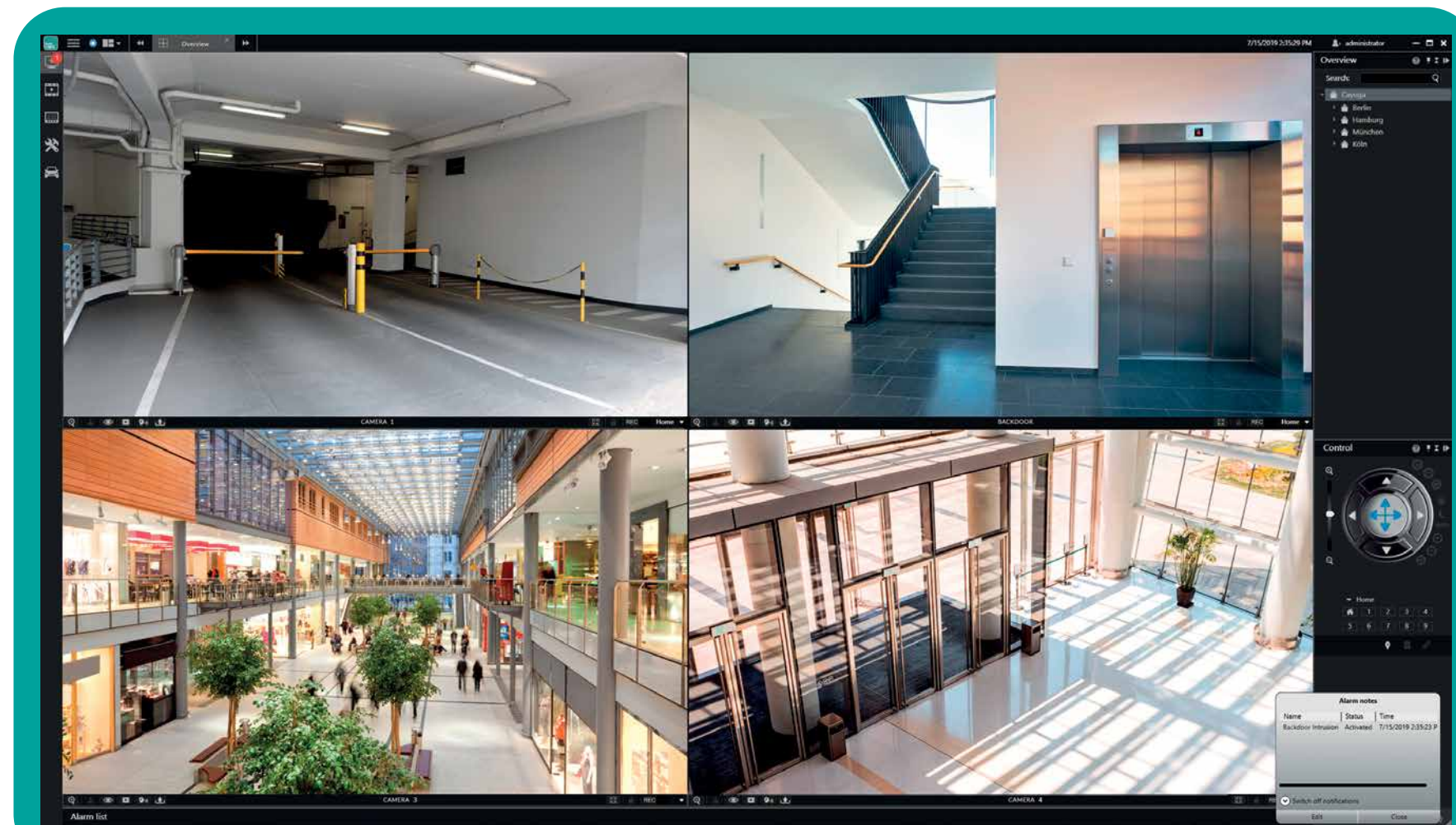


Lasso Select

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

TIME-SAVING & EFFICIENT FUNCTIONALITIES

The clear and structured UI of Qognify VMS guides you unobtrusively to perform any desired task and helps to directly access any extension module. It provides the operator clear situational awareness at all times while allowing for fast response - in Live, Archive and Configuration mode. Qognify VMS is easy, fast and effective in operation, even with just a short familiarization phase.



Audio Control

Integrated control panel for bi-directional audio and VoIP.



PTZ Control

Qognify VMS offers several ways to control PTZ cameras – for intuitive and quick navigation.

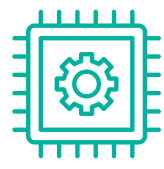
QOGNIFY VMS

VARIOUS INTEGRATIONS



SYSTEM

- Industry-specific systems such as PoS and ERP systems are integrated quickly and easily thanks to a driver-based approach.
- Security systems such as building management, access control, intrusion and fire alarm systems as well as control center solutions can be integrated via interfaces.
- 3rd-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 for all users and convenient system access.



HARDWARE

- Qognify VMS is manufacturer-independent – it supports a large number of camera models from various manufacturers.
- In addition, many other camera models can be integrated via the ONVIF standard.
- Analog cameras and systems are integrated via video encoders.
- Smart Drivers allow for easy integration of new camera models.



ANALYTICS

- In addition to the embedded analytics within Qognify VMS, 3rd-party video analytics (server or camera based) can be flexibly integrated via the Qognify Analytics Interface (QAI).



VIDEO ANALYTICS & LPR

If you have the need to add video analytics to your system, Qognify VMS has got you covered. There are two ways how to open your installation to advanced video analytics:

- Use the embedded **server-based Analytics Server 3D** (licensed separately), or
- Use the market-leading **Qognify Analytics Interface (QAI)** to integrate 3rd-party edge or server based analytics solutions.

ANALYTICS FUNCTIONS

INTEGRATED SOLUTION: ANALYTICS SERVER 3D

Powerful integrated video analysis module for perimeter protection

QOGNIFY ANALYTICS INTERFACE (QAI)

Integrate camera and server based analysis functions from other manufacturers. Among others, the following manufacturers are currently supported:

- **Axis:** Perimeter Defender (camera)
- **Bosch:** IVA (camera)
- **Briefcam** (server)
- **Digital Barriers:** SafeZone (server/camera)
- **Forlan:** arealvis, gatevis, objectvis (server)
- **IronYun/Vaidio** (server)
- **TechnoAware** (server)



For more detailed information on video analysis and LPR within Qognify VMS, download the dedicated flyers from our website: www.qognify.com.

LICENSE PLATE RECOGNITION

The **Qognify VMS LPR Module** powered by Number OK technology can automatically read license plate formats from many international countries, including all 50 US states. It can cover multiple lanes at the same time.

Via the **Qognify Analytics Interface**, license plate recognition tools from other 3rd-party manufacturers can also be integrated. Currently, solutions from the following manufacturers are supported:

- **Axis** License Plate Verifier (camera)
- **Tattle** (camera)

QOGNIFY VMS FOCUSING ON YOUR NEEDS

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

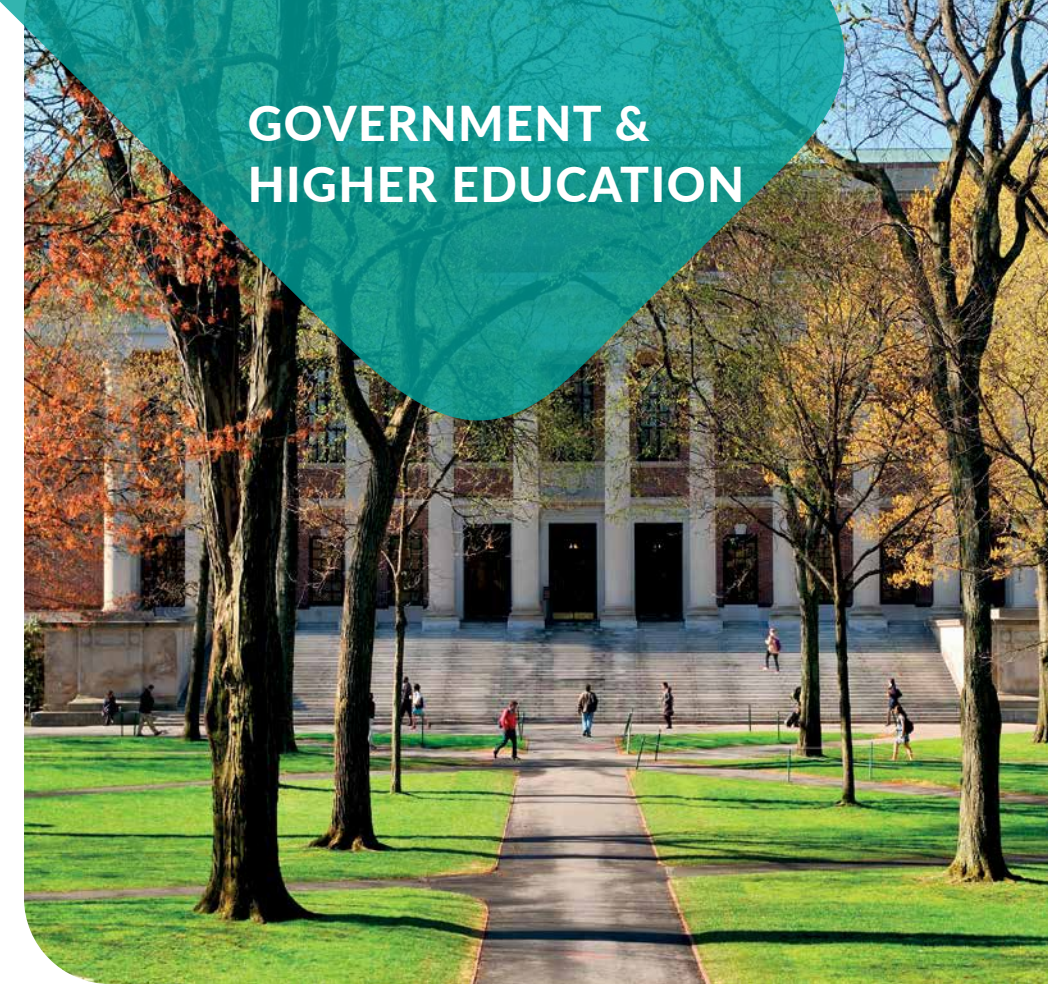
Focusing on the outcomes for large organizations in different industries and environments, Qognify VMS was designed to meet specific and dynamic requirements – to provide the maximum level of security.



For more detailed information on the industries we serve with Qognify VMS and to read success stories and use cases, visit our website: www.qognify.com.

Qognify VMS understands the unique requirements of keeping public spaces and campuses safe and offers a unified and integrated security platform for the public space and for higher education. Qognify VMS contributes significantly to safety in public spaces, such as parks, roads and sports facilities and protects cultural assets against theft and vandalism. In conjunction with access controls or video analytics, Qognify VMS becomes a sophisticated alarm system to always safeguard residents and students.

GOVERNMENT & HIGHER EDUCATION



RETAIL



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

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

TRANSPORTATION



With millions of passengers every day, video security managed by Qognify VMS is an essential part of protecting people in airports, train and subway stations, and more.

Qognify VMS helps transportation companies to make their infrastructure more safe and secure, to optimize their operating and emergency procedures and ultimately to save costs.

BANKING & FINANCE



Physical security in the finance industry can be demanding. Strict regulations, distributed systems, and a variety of different locations – branches, ATMs, operations centers, corporate offices – are just some of the factors to be addressed.

Qognify VMS is designed to meet these requirements – with an advanced IT security concept as well as with management and monitoring capabilities to support multi-site environments.

INDUSTRY & CORPORATE CAMPUS



Protecting industrial plants and corporate campuses is a core element of the security strategy of enterprise organizations. It helps them to address serious threats such as theft of data or assets, manipulation and sabotage, and industrial espionage.

Qognify VMS captures the specific requirements of these organizations for example by providing a high degree of resiliency or a series of powerful open interfaces to make video a part of an overall physical security ecosystem.

CYBER SECURITY & PRIVACY



CYBER SECURITY

Qognify VMS is well protected on the system level: data traffic between the server and client is safely encrypted – one reason why Qognify VMS 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, Qognify VMS provides you with a system that always adapts to new challenges. Regular security patches that are distributed with the help of an AutoUpdater make sure that your version of Qognify VMS is always up to date – even automatically with a valid Support & Maintenance Agreement (SMA).

PRIVACY

Qognify VMS offers a number of functions to operate video systems in a secure manner and to provide the best possible protection of privacy for 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 (entering of a second password) also provides software security on who can see the data recorded.



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 thus anonymized.

FLEXIBLE CONFIGURATION

Qognify VMS is optimally customizable for the organizational structures of your company – up to any conceivable size. Thanks to the distributed installation of the software across multiple servers, any level of scaling is possible. This means that the servers can be positioned in different locations if required (e. g. stores).

All users of the software are included individually in line with their various rights. This means that even large systems, distributed worldwide, with several thousand cameras can be managed and controlled centrally using Qognify VMS. The overall system architecture physically separates the clients from the server. As saving image data and communication with the cameras are integrated as system services, it is not necessary to launch a separate program on the server and no local login is required. Using this structure, even highly complex applications are made possible.

USER MANAGEMENT WITH DIFFERENT ADMINISTRATOR LEVELS

Qognify VMS facilitates the management of over a thousand users. Detailed rights to control cameras or to access Qognify VMS components and functionalities such as buttons or maps can be assigned to each user individually. Thus, a user rights matrix based on the organizational structures of your company can be created.

ADVANCED ALARM SCENARIOS

In Qognify VMS you can define and specify complex alarm scenarios as to how to respond to specific events in case of an alarm, or which 3rd-party systems are actuated.

WIZARD

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

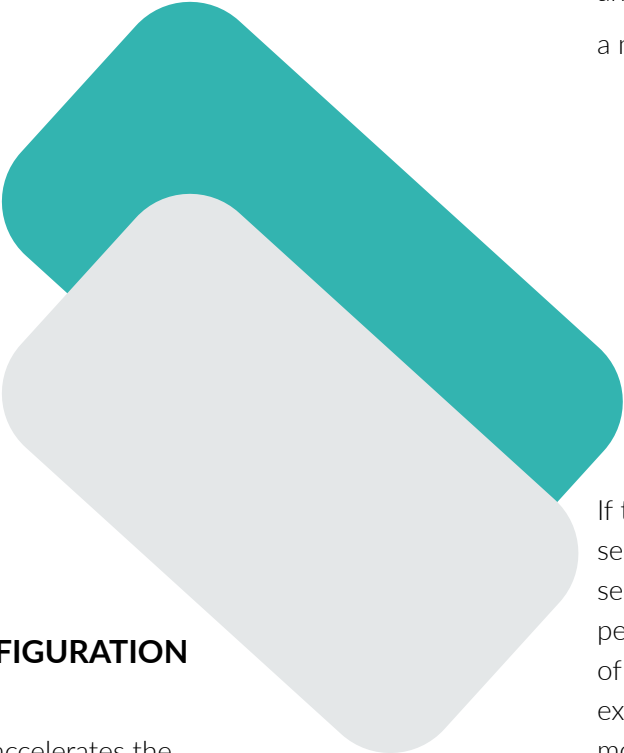
MULTI CONFIGURATION TOOL

Simplifies and accelerates the setup of multiple cameras and camera groups.



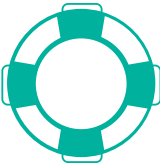
RESILIENCY

High availability with Qognify VMS is achieved by a combination of redundant system management and fail-safe recording. Using standard IT equipment, you can reduce the downtime of your system 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 the existing user rights (island mode). Windows Cluster and virtualization are supported.



Failover

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



Mirrored Recording

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

ADMINISTRATION & MONITORING



In recent years, 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 every location is a challenge. As a consequence, organizations frequently over-spend on technical expertise and unnecessary licenses, as well as potentially exposing themselves to regulatory risk.

As an extension module for Qognify VMS, Qognify 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 perform recurring administrative tasks for many independent Qognify VMS systems quickly and easily in one go.



Monitoring

The Monitoring Module provides fast and clear information about the status of the connected Qognify VMS 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 the users.

QOGNIFY MOBILE CLIENT

The Qognify Mobile Client allows quick and easy access to your Qognify VMS installation from anywhere in the world. It's available for iOS and Android and supports 4G/5G and WiFi connections.



QOGNIFY VMS VARIABLE AND SCALEABLE

Product Package	BASIC only available in EMEA and APAC	PROFESSIONAL only available in the AMERICAS	ADVANCED	INFINITY
Number of cameras	50	unlimited	unlimited	unlimited
Number of servers	1	unlimited	unlimited	unlimited
Number of clients	5	unlimited	unlimited	unlimited
Number of I/O Devices	unlimited	unlimited	unlimited	unlimited
Number of cameras per server	50	unlimited	unlimited	unlimited
Centralized Management	X	✓	✓	✓
Multi-level administration	X	X	X	✓
Multi installation login	optional	optional	✓	✓
Camera edge-storage support	X	X	✓	✓
Redundant management server	X	✓	✓	✓
Recorder failover	X	X	optional	✓
Mirrored recording	X	X	X	optional
Video data aging	✓	✓	✓	✓
Active Directory support	X	X	optional	✓
Maps	✓	✓	✓	✓
Advanced maps (ESRI)	X	X	optional	optional
Advanced alarm scenarios	X	X	✓	✓
SDK	optional	optional	optional	optional
QAI (Analytics Interface)	optional	optional	optional	optional
QEI (Events Interface)	optional (intrusion) ¹	optional (intrusion) ¹	optional	optional
Motion detection (server-based)	✓	✓	✓	✓
Analytics server 3D	X	X	optional	optional
License plate recognition	X	X	optional	optional
Reference image comparison	X	X	X	✓
Integration of BriefCam	optional	optional	optional	optional
Intercom integration (events)	X	X	✓	✓
OPC interface	X	X	✓	✓
VoIP support	X	X	optional	✓
Motion scrambling	X	X	✓	✓
Transcoded archive playback	optional	optional	optional	✓
Click to track	X	X	optional	✓
Click to mask	optional	optional	optional	optional
Camera sharing	X	X	X	✓
Export designer	✓	✓	✓	✓
Display Agent (video wall)	X	X	optional	✓
Cloud storage	optional	optional	optional	optional
BVI integration	X	optional	optional	optional
Umbrella integration (interface)	optional	optional	✓	✓

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



QOGNIFY. SAFEGUARDING YOUR WORLD.

Qognify maximizes the outcomes of security and business strategies with its innovative portfolio of video and enterprise incident management software platforms. As a trusted advisor, Qognify serves thousands of customers who place a premium on physical security, safety and operations. Our solutions serve a variety of industries all around the world, work to mitigate risks, increase security and optimize workflows. Headquartered in Pearl River, New York, Qognify operates major development hubs in Germany, Israel and the United States, with sales and support offices around the globe.



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