



Qognify VMS video analytics

Keep an eye on what's important

Video analytics filter out relevant information from a flood of images, drawing attention to important events, saving time and relieving workloads for security staff.

In large installations in particular, a variety of cameras and alarm sources must be monitored simultaneously. Security personnel often reach their limits at this point.

- Not all cameras can be displayed and monitored simultaneously on screens
- The more image sources need to be monitored simultaneously, the less attention is being paid
- After half an hour, not even half of critical events are being detected

Designed to meet specific requirements

Video analytics is especially suitable for the automatic detection of clearly definable event patterns. Typical scenarios include persons or vehicles that enter specific areas without permission or remain in an area for a suspicious amount of time.

Thanks to a variety of functions and additional modules, the use of video analytics with Qognify VMS can be precisely matched to the specific requirements of a project.

Make the right decisions

Qognify video analytics tools validate image data and filter out all relevant information directly. Intelligent routines allow you to record and evaluate results more quickly – and make the right decisions as a result.



Flexible architecture

Thanks to its flexible system design, Qognify VMS can work together with a variety of server-, edge- and cloud-based analytics solutions.



Versatile applications

In addition to applications for traditional perimeter security, industry-specific analytics can also be used with Qognify VMS, e. g., retail, banking, logistics and critical infrastructure.



Solution expertise

Hexagon doesn't just develop open interfaces and high-performance applications - our experts support you from planning to deployment to system expansion and beyond.



Numerous integrations

In addition to in-house analytics solutions, we offer deep integrations with third-party solutions – with the same Hexagon quality.



Optimum price/ performance ratio

Our cost-effective analytics solutions facilitate use across large facilities.



Forensic search

QogniFinder is a powerful, non-proprietary forensic search tool that can speed up investigations significantly.



Qognify Analytics Interface (QAI)

In the integration of video analysis functions, Hexagon relies on a modular approach that combines maximum flexibility with in-depth integration.

This is facilitated by the Qognify Analytics Interface (QAI) – a standard interface that can be connected to plug-ins for video analysis applications from numerous manufacturers. This connection can be used to transmit not only alarm events, but also metadata and rules to Qognify VMS and visualize them there. The QAI permits the use of camera-, server- and cloud-based analysis algorithms.

Plug-ins for the following partners are currently available via the QAI:

- **Axis:** Perimeter Defender (camera)
- **Bosch:** IVA (camera)
- **NumberOK LPR** (server)
- **Saimos:** Perimeter detection, people counting, object detection, face recognition (server)
- **TechnoAware** (server)

Video analytics powered by Saimos technology

Saimos VA is a professional, real-time video analytics suite available through Hexagon.

Its areas of application range from traditional video analytics use cases such as perimeter protection and intrusion detection to people and vehicle counting for intelligent occupancy management. Using Qognify VMS, the solution can be combined with access control and alarm systems – for a 360-degree security solution including forensic search and full event documentation.

In addition, Saimos VA enables industry-specific applications. People counting and heat mapping can be used to measure the performance and conversion rates of a retail store or monitor and control the occupancy of platforms and stations in public transportation.

Analytics scenarios

This solution is a high-performance, server-based (Intel CPU/GPU) video analytics suite covering the following analytics scenarios:

- Perimeter protection
- 2D counting
- Object detection
- Fire and smoke detection
- Face analytics

Hexagon is the global leader in digital reality solutions, combining sensor, software and autonomous technologies. We are putting data to work to boost efficiency, productivity, quality and safety across industrial, manufacturing, infrastructure, public sector and mobility applications. Our technologies are shaping production and people-related ecosystems to become increasingly connected and autonomous – ensuring a scalable, sustainable future.

Hexagon's Safety, Infrastructure & Geospatial division improves the resilience and sustainability of the world's critical services and infrastructure. Our solutions turn complex data about people, places and assets into meaningful information and capabilities for better, faster decision-making in public safety, utilities, defense, transportation and government.

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