Qognify VMS Video Analysis

Keep an eye on what's important.

Video analysis is used to filter out the relevant information from a flood of images, drawing attention to important events, saving time, and relieving the workload on security staff.

In large installations in particular, a variety of cameras and alarm sources must be monitored simultaneously. The security staff 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 the critical events are being detected

Designed to support your individual use case

Video analysis is especially suitable for the automatic detection of clearly definable event patterns. Typical scenarios here include persons or vehicles that enter specific areas without permission or who remain suspiciously long in one area.

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

Qognify

MAKE THE RIGHT DECISIONS

The video analysis tools in Qognify VMS qualify the image data received 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, sector-specific analytics can also be used with Qognify VMS, e. g. for retail, banking, logistics and critical infrastructure.

SOLUTION EXPERTISE

Qognify not only provides open interfaces and high-performance applications – our expert team supports our partners and customers from planning through to deployment and system expansion.

NUMEROUS INTEGRATIONS

In addition to in-house analytics products, Qognify offers deep integrations with certified partner solutions – with the usual high level of Qognify quality.

OPTIMUM PRICE/ PERFORMANCE RATIO

The attractive pricing of our reliable analytics products is easy on budgets and facilitates use across large facilities.

SAFEGUARDING YOUR WORLD

ANALYTICS SERVER 3D

To ensure the global availability of a powerful video analysis solution for perimeter protection and to protect goods and buildings with Qognify VMS, Qognify offers server based solutions in the analytics product range.

Based on the experience of international analytics specialists, Qognify VMS Analytics provides professional 3D video analysis which – thanks to sophisticated filter technologies for eliminating interferences such as shadows, leaves, snow or rain – is perfectly suited for outdoor use. More over, the underlying technology is also certified by the British Home Office for sterile zone monitoring. Qognify VMS Analytics is available as a server based solution and can be managed via a central interface offering intuitive operation.

Utilizing automatic calibration and scene learning, the analysis rules can be quickly and easily set and adjusted.

Analytics Server 3D supports the following functions:

- **Object classification:** Differentiation between persons and vehicles
- **Intrusion:** One or more persons/vehicles are moving into a specific alarm zone.
- **Zone crossing:** A person/vehicle is moving through two zones in a specific sequence or in the wrong direction.
- **Loitering:** A person/vehicle is remaining in a zone or at a location for longer than permitted.
- **Conditional:** A person/vehicle is moving in a target zone without first having passed through one or more other defined zones.
- **Special 2D analysis mode for securing facades:** Prevents people from entering buildings through windows or skylights and reliably detects abseiling of people or objects (e.g. for correctional facilities).

QOGNIFY ANALYTICS INTERFACE

In the integration of video analysis functions, Qognify 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 with 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 based, server based and cloud based analysis algorithms.

Plug-ins for the following partners are currently available via the Qognify Analytics Interface (QAI):

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

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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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