

CAYUGA VIDEO ANALYSIS. KEEP AN EYE ON WHAT'S IMPORTANT.



Video analysis with Cayuga permits the fast and reliable detection of events and situations, and provides specific and efficient alarm processing.

THE CHALLENGE

Video analysis is used to filter out the relevant information from a flood of images, drawing attention to important events, saving time and reducing 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 hit 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.

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 Cayuga can be precisely matched to the individual requirements of the project.



THE ADVANTAGES

- **Flexible architecture:** Thanks to its flexible system concept, Cayuga can work together with a variety of server based, edge based and cloud based analysis solutions.
- **Versatile applications:** In addition to applications for traditional perimeter security, sector-specific analytics can also be used with Cayuga, e. g. for commerce, banking, logistics and high-security areas.
- **Numerous Integrations:** In addition to in-house analytics products, Qognify offers perfectly coordinated integrations with certified partner solutions – with the familiar high level of Qognify quality.
- **Expertise for total solutions:** Qognify not only provides open interfaces and high-performance applications – our expert team supports our partners and customers from planning through to commissioning and system expansion.
- **Optimum price/performance ratio:** The attractive pricing of our reliable analytics products is easy on budgets and facilitates use across large facilities.

ANALYTICS SERVER 3D

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

Based on the experience of international analytics specialists, SeeTec 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. Moreover, the underlying technology is also certified by the British Home Office for sterile zone monitoring. Cayuga Analytics is available as a server based solution and can be managed via a central interface offering intuitive operation.

ABOUT

Qognify helps safeguarding your world, focusing on the outcomes of customers, who place a premium on physical security. Providing solutions to mitigate risks, increase security and optimize operations, Qognify serves thousands of customers all over the world as a trusted advisor. The comprehensive portfolio of Qognify contains physical security and incident management solutions, which create value for many sectors.

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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).

THE CAYUGA ANALYTICS INTERFACE: FLEXIBLE AND POWERFUL

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 Analytics Interface (SAI) – 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 Cayuga and visualize them there. The SAI permits the use of camera based, server based and cloud based analysis algorithms.

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STRONG PARTNERS:

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

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