



SEETEC CAYUGA ANALYTICS

Intelligence for your video surveillance solution

Video analysis with SeeTec 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 SeeTec Cayuga can be precisely matched to the individual requirements for the project.

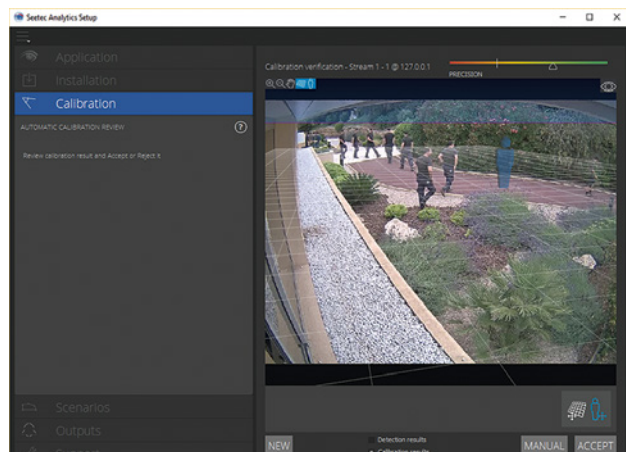
▪ THE ADVANTAGES

- **Flexible architecture**
Thanks to its flexible system concept, SeeTec 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 analyses can also be used with SeeTec Cayuga, e.g. for commerce, banking, logistics and high-security areas.
- **Numerous integrations**
In addition to in-house analysis products, SeeTec offers perfectly coordinated integrations with certified partner solutions - with the familiar high level of SeeTec quality.
- **Expertise for total solutions**
SeeTec 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.

■ SEETEC ANALYTICS SERVER 3D

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

Based on the experience of international analysis 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 also perfectly suited to outdoor use. The underlying technology is also



certified by the British Home Office for sterile zone monitoring. SeeTec Analytics is available as a server-based solution and can be managed via a central interface offering intuitive operation. Via automatic calibration and scene learning, the analysis rules can be quickly and easily set and adjusted. SeeTec Analytics Server 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.

■ THE SEETEC ANALYTICS INTERFACE: FLEXIBLE AND POWERFUL

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

This is facilitated by the SeeTec 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 SeeTec Cayuga and visualise them there. The SAI permits the use of camera-based, server-based and cloud-based analysis algorithms.

■ STRONG VIDEO ANALYSIS PARTNERSHIPS: REGIONAL AND VERTICAL

The open system concept of the SAI means that numerous video analysis applications can be used in combination with SeeTec Cayuga. In this way, the special requirements of specific sectors or regions can be optimally fulfilled and optimum solutions can be put together with the help of partners. As many analytics manufacturers greatly value the high performance and flexibility of the SAI platform, the range of available integrations is also being continuously expanded. Plug-ins for the following analysis solutions are currently available:

- **ACIC Activity Detection** (server-based and camera-based)
- **Axis Perimeter Defender** (camera-based)
- **Bosch IVA** (camera-based)
- **Canon** (camera-based)
- **CogVis areal^{vis}, gate^{vis}, object^{vis}** (server-based)
- **Digital Barriers SafeZone** (server-based and camera-based)
- **Flir FLUX** (server-based)
- **Securiton IPS Analytics Manager** (server-based and camera-based)
- **Siemens Site IQ** (server-based)