

Intelligent video analysis

SeeTec Analytics Basic, Premium and Enterprise



Product advantages

- ▶ Flexibility and power through server-based architecture
- ▶ Reliable event recognition through world-leading technologies
- ▶ Protection of resources and workload reduction for the security staff
- ▶ Simple and comfortable operation through seamless integration in the SeeTec user interface
- ▶ Usage with numerous IP cameras and video servers

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Solutions from the SeeTec Analytics product range will make your video monitoring equipment intelligent! SeeTec Analytics Basic, Premium and Enterprise facilitate the quick and reliable recognition of possible risk situations and therefore, targeted and efficient alarm handling. At the same time, the workload on the security staff is significantly reduced and valuable resources can be protected.

The Challenge

Especially in control rooms and security command centres in complex installations, a wide range of cameras and alarm sources have to be monitored at the same time. Security staff are often stretched to the limit and are faced with three significant challenges:

- It is not possible to display and observe all cameras at the same time
- With a growing number of picture sources that have to be watched at the same time, it is increasingly easy to lose track, and attention levels can drop
- After watching monitors for just half an hour, not even 50 % of the risk situations are recognised. In particular, details such as unattended objects go unnoticed

The deployment of intelligent video analysis is ideally suited for the recognition of repeated incident patterns. Simple scenarios such as motion detection in an indoor area can often be handled in SeeTec by using existing camera functions or plugins. Complex analysis rules such as the recognition of loitering persons place significant demands on the system resources, however.

A Well-Thought-Out System

This is where the intelligent video analysis modules of SeeTec come into play. As powerful, server-based solutions, they offer a wide spectrum of analysis algorithms and can be used with a wide range of camera models and video encoders*. This guarantees

maximum flexibility in practical applications, even when expanding existing systems, as in many cases, the existing camera infrastructure can continue to be used.

With the analysis algorithms, SeeTec uses technologies from the global market leader Object Video®, which has a wide solution portfolio and many years experience in this area. As in other contexts, SeeTec also works here on a principle of a deep and seamless integration. As a result, the complete configuration and control of the video analysis is done simply and transparently within the SeeTec user interface, meaning there is no need to program analysis rules in other programs. As is already the case with the SeeTec basis application, SeeTec video analysis recognition rules can be used as alarm sources for an unlimited number

Function	SeeTec Analytics Basic	SeeTec Analytics Premium	SeeTec Analytics Enterprise
Area of Interest	●	●	●
Object classification	●	●	●
Tripwire (also non-linear)	●	●	●
Multi-Line Tripwire	●	○	●
Area of Interest "Inside"	●	○	●
"Entering"	○	●	●
"Leaving"	○	●	●
"Appearing"	○	●	●
"Disappearing"	○	●	●
Loitering	○	○	●
Unattended objects	○	○	●
Removed objects	○	○	●

of definable alarm scenarios. This offers optimum support to the security staff and noticeably reduces their workload.

The server-based video analysis from SeeTec is available in three versions. While **SeeTec Analytics Basic** offers fundamental video analysis functions, **SeeTec Analytics Premium** and **Enterprise** make more complex recognition rules and functions available.

* In order to facilitate optimum analysis performance with good visualisation quality, we recommend the deployment of cameras that can be integrated in SeeTec with multiple image streams.

SeeTec
Software for Video Security