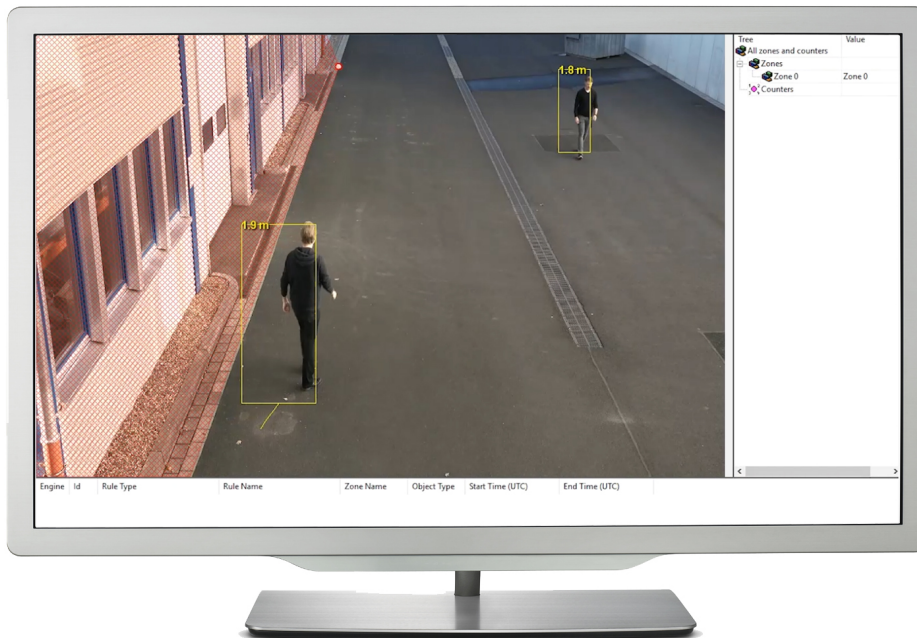# GEUTEBRÜCK

Video Content Analysis - Counting and Motion Detection
VCAadvanced

The VCAadvanced option provides you with the complete range of functions - from counting to motion pattern detection. Counting streams of people with the help of the People Counting function or the recognition of movement patterns, e.g. the conspicuously long dwelling of people in certain areas. By means of logical linking of the individual features, the functions can be perfectly adapted to your needs.

- Entrance areas of department stores and shops.
- Anterooms of banks.
- Access to event and exhibition grounds.
- Streams of visitors to museums.
- From access roads to motorways.
- Parking space and yard surveillance on company premises.

- Save processor power with professional camera-based video analysis.
- Needs-based parameterization of alarm triggering scenarios.
- Full range of functions with people counting, loitering/dwell function, etc.
- Optimal adaptation to the requirements with logical combination of the individual features.
- Ideal system adaptation through freely configurable alarm zones and counting lines in the image.
- Lower false alarm rate by classifying perspectives with 3D size calibration of objects.
- High security through sabotage detection and automatic adaptation to changing light and weather conditions in the image background.
- Fast commissioning due to simple parameterization even without special previous knowledge.

Technical data

Designation	VCAadvanced	Functions
Counting	Yes	Object counting: People, animals, vehicles, objects.
Tamper detection	Yes	Tamper detection: Event notification when the camera is covered or the viewing angle of the camera is changed.
Presence filter	Yes	Motion detection and tracking of objects in the video image.
Enter & exit filters	Yes	Filter for entrance and exit: Event notification when an object enters a zone or when a moving object leaves a zone.
Dwell filter	Yes	Filter for dwelling: Event notification when an object has entered a zone and moves in the zone for longer than the set time.
Direction filter	Yes	Filter for direction of movement: Event notification when an object moves in a specific direction.
Zones & lines	Yes	Adjustable sensitive zones and sensitive lines.
Speed filter	Yes	Filter for speed: Filter for detecting object speeds.
3D calibration	Yes	Size calibration of objects in the 2D video image.
Non-detection zone	Yes	Definition of areas that are not to be considered in the analysis.
Surveillance Tracker	Yes	Optimized simultaneous observation of up to 100 outdoor objects.
Appear & disappear filters	Yes	Filter for appearing and disappearing: Event notification when an object appears in a zone or when an object disappears from a zone.
Stopping filter	Yes	Stop filter: Event notification when an object has entered a zone and stops moving for longer than the set time.
Tailgating filter	Yes	Distance detection filter: Event triggering when the temporal distance between 2 moving objects (for example, vehicles) goes below a specific value.
Logical rules	Yes	Logical links: Different filters can be combined logically with each other for event triggering.
G-Core connection	Yes	Event notification to G-Core.
Order No.	8.50202	VCAadvanced video content analysis software option

Accessories:

G-Stats software option	Software for statistical evaluation of object counting (Counting)	
Order No. 3.06670	G-Dongle/G-Stats	
Order No. 8.34603	G-Stats/Passages	
Order No. 8.34610	G-Stats/Weather	