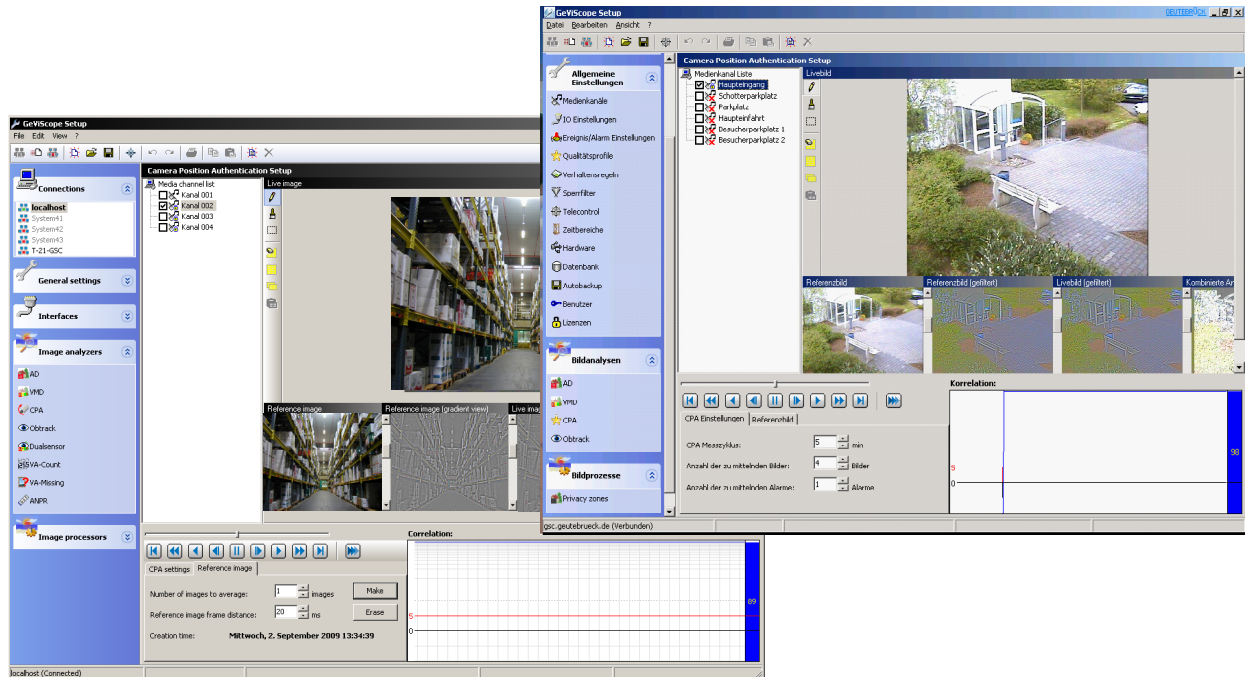


# CPA – Camera Position Authentication



Sabotage monitoring for analog and IP cameras



## Product information

Camera Position Authentication (CPA), with an adaptive algorithm for analog and IP cameras, alerts when the angle of the camera is intentionally or accidentally moved. It ignores short-term changes in the content of the picture (e.g. due to a close-by bird) or fluctuations in the lighting.

The system reacts according to need: It alarms the security personnel or the service technician, controls a remote camera to a predefined "replacement position" and automatically switches over to pictures of other (adjacent) cameras.

- | Sabotage and manipulation recognition
- | Fully automatic function and position monitoring of your camera (automatic reference picture monitoring)
- | Flexible message response for technicians, security personnel and safety officers in case the camera fails or is rotated
- | Flexible system reaction, e.g. switching on adjacent cameras or a speed dome with a fixed position as a replacement camera

## Technical data

<b>Monitoring area</b>	Activation of sensitive/non-sensitive areas in the picture using 42 x 34 cell grid
> Set-up options	Each cell in the grid can be marked as sensitive or non-sensitive
> Set-up aids	Display of the cell grid with display of not-sensitive cells Display of the reference picture in the original and edge extraction to check cell functions. Storage of any number of parameter sets, activation over any system actions (e.g. time-range control).
<b>Alarm analysis</b>	Analysis in real time Adjustable measurement time from 1 min. to 24 hours. Using edge extraction, the reference picture is compared with the current picture and the edge correlation is calculated.
> Set-up options	Definition of the reference picture, as well as live picture generation as snapshot or as time average of an adjustable number of sequential pictures for background extraction. Definition of any number of prealarms (min: 0, max: 999). Setting for correlation threshold for automatic event generation without alarm (e.g. to update the reference picture for slowly changing lighting conditions)
> Set-up aids	Display of live and stored pictures in the viewer as well as reference picture and comparison picture as original and edge-extracted. Display of the edge correlation picture and the correlation curve with threshold (event threshold and alarm threshold).
<b>Installation considerations</b>	The camera scene must have sufficient fixed, uncovered edges (e.g. in outdoor settings, snow covering in winter should be excluded). If no fixed structures (wall edges, buildings, etc.) are visible in the picture and cannot be added (e.g. marking on a wall in interior setting), this algorithm cannot be utilized. In outdoor settings: Stable mounting of the camera is a requirement so that excessive shaking of the camera pole does not lead to a false alarm.
<b>Operating system</b>	Windows XP
<b>Camera channels</b>	
> analog	Supported
> IP	Supported
<b>Order no.</b>	<b>8.31140</b>

	VMD	AD Basic	AD Extended	Dual-Sensor	VA-Class	ANPR	VA-Missing	Audio AD	CPA
GeViScope-HS	○	●	○	○	○	○	○	●	○
GeViScope-IP/SE	○	●	○	○	○	○	○	○	○
re_porter	—	●	—	—	—	○	—	—	○
re_porter_sensor	○	●	—	○	○	○	—	—	○
re_porter_bank	—	●	—	—	—	○	—	—	○
MultiScope III/XP	—	—	●	—	—	—	—	—	●

●= Standard ○=Optional —=Not available

Please take into account that video analysis applications require extensive project-specific consultation. For an optimal result, numerous environmental conditions and system parameters must be considered. Our specialists are happy to provide you with assistance! We guarantee simultaneous analysis of four (re\_porter) or six (GeViScope) D1 (4CIF) resolution video signals on the local device without interfering with other functions. Exception: AD and VMD licenses for analog cameras and CAM2IP and VIPCAM can also be operated without restrictions.

Technical alterations reserved

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