

## Periphery surveillance/industrial sites



These days industry, business and crafts are centralized in commercial areas, typically at the outskirts of towns.

During the day there is a lively traffic of people, but at night or on non-workdays these areas are empty. Many companies protect their premises against burglary, theft and vandalism with complex fence systems, which surely provide a certain measure of security. The exposed location of industrial areas provides burglars with plenty of time before the authorities, alerted either by intrusion detection systems or witnesses, can arrive at the scene. Typically all that's left to do is determine the magnitude of the damage. Information about the perpetrators is very difficult to obtain. In the end, the companies will bear the costs themselves.

Automatic GEUTEBRÜCK video security systems solve these problems and offer functions for complete perimeter monitoring of companies locally and with notification of external security companies.

“See what's going on immediately”

A guard secures an entire area, keeps informed automatically and has „his eye“ everywhere!

### **Example:**

The premises of a company are completely fenced in. IR cameras (IR = sensitive to infrared light) with accompanying IR lights (with internal twilight switch) are mounted parallel to the fence. Infrared light is not visible to the human eye, meaning that while a potential perpetrator fumbles in darkness, the cameras supply clear black and white video pictures. The camera locations are selected so that the entire periphery can be seen by the cameras without any gaps. The spacing of the camera locations ensures that the perpetrator's features can be easily recognized in the video picture (relationship: pixel resolution of the camera, lens focal length and length of the camera section).

The GeViScope Hybrid Server has for all cameras GSC/VMD licenses, video recognition for particularly critical surveillance tasks in outdoor situations. A VMD has over 128 detection fields per camera channel that can be freely configured in terms of function, position, size and sensitivity. These fields are configured in the video picture like a virtual curtain along the fence, invisible to the intruder and thus insurmountable. If a field detects motion, an alarm message is generated in real time and, according to the alarm programming, video recording is started and the alarm pictures are transmitted to the guard station.

The video motion detection (VMD) has been specially designed for applications in outdoor settings and is unaffected by all types of external disturbances that could lead to false alarms, including changes in the lighting conditions, camera poles shaking in the wind, rain, snow, and many others... Integrated picture signal surveillance monitor all connected cameras. VMD secures high security sectors worldwide, such as prisons, ministries, museums, banks and many other sensitive areas.

The integrated security management system controls the alarm behavior of the complete video monitoring system, including external alarm systems, such as fence detectors, microwave systems, light barriers, etc.

GeViScope offers a wide range of functions that can be added, making numerous "special applications" possible: Integration of IP cameras, control of domes and high-speed pan/tilt camera systems, audio alarm, recording and transmission, video analysis, number plate recognition and much more.

**For the realization of this example, we recommend the following products:**

Day/night cameras

Weather-proof housing

IR lights

GeViScope hybrid server

GSC/VMD video motion detection licenses

## Example: Layout of an industrial area

