



Copyright: horizont21 - Fotolia

## SECURITY FOR HOSPITALS, CLINICS AND FORENSIC FACILITIES

### Protect your patients, your visitors and your staff



Hospitals  
in our website

Every hospital should provide its patients and visitors with a real sense of „security“. Achieving this is a difficult task for you as an operator. Everything has to fit together perfectly: the medical services, the care, the technology, and protection against direct and indirect health risks and even criminal acts. Theft, vandalism, property damage, sabotage, kidnapping, the list of dangers is long. The safety of patients and visitors must always be ensured. Only the combination of technology, organization and personnel, adapted to the local conditions, makes an effective, functional security concept possible.

Your professional GEUTEBRÜCK video security system is a central component of this security concept, using open interfaces to all your other security systems to always provide the necessary video information at the right time.

## Video security for medicine

### Preventive, informative, conclusive.



#### From patient observation to fire protection

Automatically or manually – you observe and monitor exactly what you need to see for preventative measures. Patient monitoring in intensive care, supervision of access control and monitoring of alarm situations: the perfect video security solution for every task.



#### Recognize and respond

The intelligent video analysis automatically detects exactly what is required. Alarm video activation, saved prehistory plus live stream with graphic site maps help you clearly identify the situation and initiate appropriate measures.



#### Analyze and secure evidence

Dual Data Base Architecture – effective search algorithms quickly find the recorded incident. Time, date, event type, movement in the frame, fast-forward, rewind for all cameras or just one – search filters with incomparable access speed – you only need a fraction of a second to find the evidence you require.

submitted by:

## APPLICATIONS FOR YOUR VIDEO SECURITY SYSTEM FOR MEDICINE:

### Patient monitoring

A network connection in the room is all you need. You can use the widespread standard for intensive care units everywhere. With the help of our configuration wizard you can easily connect an IP camera over the network to your video security system. This makes it possible to monitor seriously ill patients, not just in intensive

care, but also centrally at your station. Our intelligent video analysis operates object-oriented and is thus able to recognize, observe and follow objects in an image. This makes it possible to automatically activate video playback when an alarm occurs, for instance when a seriously ill patient attempts to leave the bed. Video images that can save lives.



### Maternity ward monitoring

The protection of our newborn is a highly emotional, public need. „Security“ means the highest level of safety. Child abduction is an unimaginable thing and must be prevented in a clinic at all costs. Your video security system shows high-resolution camera images of every movement on your station. Everything is recorded

and traceable. You can watch from any PC or your tablet. Patient transponder, infant transponder, access control and video analysis – each alarm activates the relevant images. You will immediately see when an infant is moved, and see if it was intentional or unintentional.



### Access control

Operating rooms, intensive care units, laboratories and medical facilities are secured against unauthorized access by your access control and locking system. Together with your video security system, you have more control. Every access transaction is documented with associated video images and optionally also shown in your security control center as a live stream. Abuse is instantly recognizable and can be detected at any time.

Other hazards include manipulation and unnoticed opening of escape doors. Contract-controlled or controlled via the interface to your escape route security system – your video security system automatically displays alarm images once an escape door is opened without authorization, for instance as a precursor to a criminal act.



### Interior monitoring

It is the night shift, the emergency lighting is active, scarce staff, no visitors. This is exactly the moment when you need to know exactly who is in the building. Our day/night IP cameras provide contrast-rich video images from your stations and hallways even in low light. At night, time range control for your video security system automatically switches on the integrated activity detection (motion detection) for these cameras. Every movement is displayed in real time on your monitors as a live stream and recorded. Theft, vandalism, kidnapping or patients who are lost and need help – you receive critical information that other security systems cannot provide.



### Perimeter security

Your security tasks are varied, but the solution is the same.

**Burglary:** Your high-value medical devices, expensive drugs and the valuables of your patients, such as laptops and mobile phones, are increasingly the target of brazen thieves. You need effective early warning against intruders who attempt to forcibly enter your building at night.

**Break outs:** High-security areas of forensic facilities treat mentally ill offenders with immense potential for violence. If one of these persons escapes, the consequences can be fatal. Again, you need an effective early warning protection system.

**The solution:** Our professional thermal imaging cameras combined with our intelligent G-Tect/VMX video analysis system detects any unusual movement around your building or windows, in total darkness, rain or snow and without the need for additional lighting. Our proven analysis algorithms detect the size, speed and direction of movement of an object and alert the monitoring control center in real time. Alarm image, recording prehistory, activation of adjacent cameras, graphical site map display, and numerous additional features.

You receive immediate information about what the threat is. Procedural instructions prepared in advance for different alarm



scenarios make it possible to respond optimally to any incident even when the security personnel changes.

### Data protection and privacy rights

The monitoring of people in your facilities is subject to data protection regulations. Your video security system has a wide range of protection mechanisms for ensuring that personal privacy and data are protected.

- Our scene validation function reports any type of camera sabotage. In practical application, this means that an alarm is issued immediately when a camera is rotated, for example so that employees could be „observed“ at their workstation.
- Our G-Tect/MoP (Motion Privacy) feature is used to mask defined areas of the image or to pixelate moving object in live images or in previously saved images.
- Our access rights management controls explicitly, who is allowed to see what, when and where. For example, during regular operation it is not possible to select specific cameras in certain areas on your premises. But a fire alarm changes everything, activating the camera images in your security control center.
- Our video database is tamper-proof. Image analysis is possible only with certain rights or with 2-person authentication. The export of image files is encrypted and additionally protected by a password.
- Our audit trail is the auditor of the system log. It provides tamperproof logging of absolutely every action in the system.

Using these „tools“, you can perfectly tailor your video security system to local conditions, thus complying with applicable data-

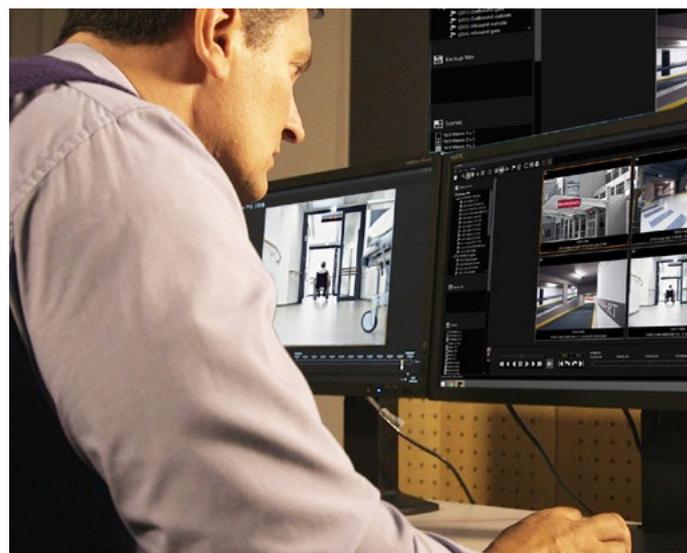
protection regulations. Secure highly trafficked visitor areas and non-public areas alike without „observing“ your staff.

Clearly visible „Video monitoring“ signs provide information for visitors and deter potential offenders.



### Emergency, service and security control center

The control and monitoring of all house & building systems from a central location is advantageous, both in terms of technology and personnel. Thanks to a wide range of existing interfaces, your G-SIM security information management system makes it possible to integrate your building systems into your video security system. You can operate all your systems centrally in individual graphical site maps and process-oriented scenes. We call this **approach user-centered**. All alarm and fault messages are processed in real time and displayed with freely definable action plans. At the same time, your video security system provides information on the situation on the ground using both live and stored images. Each operation is logged and is fully traceable. With G-SIM, you have the perfect overview, making it possible for you to ensure the safety of your patients, visitors and staff.



### Recording and live transmission of medical procedures

Use your video security system for additional interesting medical applications. Our high-performance 64-bit (G-Core) video servers make possible live recordings with image resolutions up to 4K (8 megapixels). Even our compact model, the G-Scope/1000, can handle parallel recording of up to 10 IP cameras and 4 analog cameras in a data storage system with a capacity of up to 6 TBytes. Document interesting medical procedures with multi-channel video recording (complete with sound) and broadcast the live stream over the network to your lecture hall or across the Internet to a colleague. You can easily export your saved recordings as an MP4 file or burn them directly as a video DVD. And if that is not enough – there are no limits: you can expand your system at any time to meet your needs.

