GEUTEBRüCK

Security Information Management
G-SIM

Security Information Management - G-SIM

Security information management software from Geutebrück for highly complex interconnected G-Core systems. Core functions are central user management, simple administration, and operation via position plan-based control elements as well as central logging of all relevant operating and system processes.

The system architecture is scalable and allows easy interaction of different users in the network or via remote access. This enables distributed and efficient control of the overall system from different workstations. The functional scope of the software is controlled by means of a dongle.

The information management software provides the qualification, sorting and preparation of information according to user-specific requirements - quickly, intuitively, and reliably. In addition, the software offers application- and user-specific configurable functions such as live and memory image display, site plan control, flexible alarm management, delegation and message tools for efficient operator deployment, complete documentation of all system and operating processes, and a well-thought-out redundancy concept.

Data protection is fully guaranteed by flexible user rights management and a consistent audit trail. This also ensures that images and sequences can be used in court. Thanks to the diverse interfaces to third-party systems integrated in Geutebrück systems, security information from third-party trades can also be seamlessly processed and controlled. The supported number per function is limited in each case within the scope of the technical release.

<u>Main Arguments</u>

- Highest flexibility and scalability for an unlimited number of distributed operator stations
- Intuitive operation based on individually designed, layout-based user interfaces
- Complete control over unlimited video streams for live and stored images
- Best possible overview through seamlessly integrated video wall solutions
- High reliability with the aid of sophisticated redundancy concepts
- Perfect data protection through flexible rights and group management and complete audit trail
- Cost-effective commissioning through intelligent configuration support with immediate plausibility check
- Uncomplicated control and data management of third-party systems connected via interfaces

<u>Server Failover</u>

The G-SIM/ServerFailover option activates the failover function of the G-SIM server.
After enabling the function, an independently operating G-SIM system can temporarily take over the functionality of another G-SIM system if it fails. This includes e.g. rights, connections and functions. This minimizes the possible downtime by restoring the system immediately.

- High reliability due to automatic function takeover of another G-SIM server in the network
- Minimization of possible downtime
- The use of multiple G-SIM servers with adjustable prioritization is possible
- Simple installation and parameterization

<u>Camera Failover</u>

The G-SIM/FailoverCam option activates the failover function of a G-Core camera channel. If a G-Core server fails, the camera channels are taken over by a failover server for which this option is enabled. This minimizes the possible downtime by restoring the system immediately.

Note: The G-Core Failover (3.06760) is additionally required for the functionality. The number of G-SIM/FailoverCam option required is equal to the total number of camera channels of all G-Core servers of this site.

- High reliability due to automatic function takeover of a G-Core camera channel
- Minimization of possible downtime
- Simple installation and parameterization

G-SIM/Global

The G-SIM/Global option gives you access to all functions and resources of your connected G-SIM systems at different locations. This includes access to cameras, site plans, alarm handling, process data as well as for administrators the parameterization of user rights and much more.

G-SIM Global requires G-SIM V9 and supports up to 30 locations in the first version.
For further features, requirements, and limitations, please refer to the "Global Product Specification".

- Global management access from each connected G-SIM system to the other G-SIM systems at different locations
- Central alarm and report management
- Central user and rights management
- Processing of alarms possible from any G-SIM location
- Global cross-site search and management of process data
- Mutual synchronization of the G-SIM setups
- Increased availability of G-SIM services, as the failure of a G-SIM system at one site is replaced by the synchronized G-SIM system at another site

Video Track and Trace (VTT)

The G-SIM/VTT option makes the search for packages more efficient, saving time and money.
With VTT, you can follow the path of the package at a glance by connecting the individual viewers. Thus, a constantly moving object, e.g. a package on a conveyor belt, can be tracked at any point in time within a process on the Linked Layout. This saves tedious rewinding and rewinding.

Another advantage: thanks to a time offset within the images that is optimally matched to the speed of your conveyor line, you can find the package in question in just a few minutes with minimal effort.

- Fast and efficient clarification of misdirection's in the field of conveyor technology
- Even packages lost on conveyor belt routes with many branches can be found quickly
- Optimal adaptation of the system to the conveyor belt speed through individual adjustment of the time offset of the linked viewer layouts (linked layouts)
- Simultaneous image display of the respective position of the package on the conveyor belt enables quick location of packages
- Simple package tracking through the connection of the logically linked cameras along the conveyor system

Cam Check

The G-SIM/CamCheck option immediately alerts if the live images of a camera are manipulated compared to a stored reference image, e.g. by turning the camera. The function works permanently in the background and orients itself independently of movements to fixed edges in the image and alerts as soon as these edges are shifted.

- Protection against mechanical manipulation of the camera

- Control of follow-up actions such as the connection of neighboring cameras
- Simple installation and parameterization

Centralized User Management

Active Directory

The G-SIM/ActiveDirectory option enables the connection between the user groups from Windows with the user groups from G-SIM. This facilitates the administration of users, groups and rights in G-SIM. The user rights of the groups in G-SIM can be defined in each case. Windows authentication is activated and a G-SIM password is no longer necessary.

- Automatic authentication of users via the Windows password
- Easy linking of Windows Active Directory user groups with G-SIM user groups
- Different definable rights for different Active Directory and G-SIM groups
- G-SIM groups can be linked to one or more Active Directory group(s)
(group matching)
- Automatic synchronization of users and user groups

SAML

The Security Assertion Markup Language (SAML) integrated in G-SIM by default enables the connection of external centralized user administrations, so-called Identity Providers (IDP).

SAML itself, is an XML framework for exchanging authentication and authorization information. It provides functions to describe and transmit security-related information.

- New authentication option within Operator Console besides Active Directory
- Centralized external user management (IDP) and connection to G-SIM
- Automated creation of users in G-SIM incl. group membership

Web Browser Intergation

The G-SIM/Webbrowser Integration option allows the user to operate pre-configured bookmarks such as an intranet page or a web page in an Operator Console viewer. The G-SIM Web Browser Integration can be extensively configured, and its functionality can be restricted as needed to allow maximum flexibility for users and administrators.

The G-SIM web browser integration is also integrated into the familiar audit functionality. Here, it can be configured whether an audit should be created in general or only for specific bookmarks. In addition, the G-SIM web browser integration supports the use on a remote console to display the browser on monitor walls or external monitors.

- Visualization of web-based user interfaces such as Geutebrück's G-Health and third-party systems
- Common display of information in a uniform interface, also on the monitor wall
- All-in-one solution - no need to switch to a separate web browser
- Browser sandbox - the call of unwanted pages is excluded

Extensive Export Functionalities

G-SIM offers a wide range of options for exporting administrative and operational data. Administrative data such as the setup of the G-SIM configuration can be conveniently exported and imported within the Management Console. Operational data such as process, audit, alarm, image, and video data can be managed and exported within the Operator Console.

Among others, the following formats and types are exportable:

- Management Console setup to archive and backup large configurations
- Process and metadata of all integrated systems such as barcodes and license plates for subsequent analysis
- Audit database contents to track administrative and operational interactions
- Contents of the alarm database to make details such as origin, time, and alarm type evaluable
- Summaries of different image sources for common display (cutlists)
- Image & video material in individually configurable display modes and formats

Turnkey delivery and installation or turnkey assembly and connection

Model: G-SIM
Brand: Geutebrück or equivalent