

VSS 3900 : video surveillance and multimedia solutions

The screenshot displays the VSS 3900 software interface. On the left is a site map titled "Map: ACME" showing various rooms and alarm contacts. A central window shows a live video feed from "Kamera 1" with a timestamp of "March 18, 2000 10:11:30". To the right is a "Connection List" window showing a log of events such as "ACME 08.09 - 20:27:46" and "ACME 08.09 - 19:46:00". Below the map are buttons for "Overview", "View Frontside", and "View Backside". A "View Groundfloor" window shows a simplified map. The interface includes a menu bar with "File", "Edit", "Supervisor", and "View", and a status bar at the bottom with "Bernd" and "NUM".

- Interactive Video Alarm Management System for audio-visual remote surveillance applications
- Simultaneous display and handling of multiple video streams and network connections
- Designed for Windows NT and Windows 95
- Site Map editor for ease of use and meaningful monitoring
- Based on the site maps concept
- Complies with H.320 Videoconferencing standard (H.323 software upgrade)
- Password protection
- Superior video image quality with up to 704 x 576 pixels and max. 25 frames per second
- Video, audio and data communications via ISDN, GSM, LAN (TCP/IP), Modem
- Automatic recording of audio and video to the local memory
- Downloading of recorded sequences to the remote supervisor
- Reporting and documentation functions
- Full control of the connected cameras
- Based on standards for network access and audio interface (Winsok, CAPI, SoundBlaster)
- Microsoft Access database for processing user data, events and recordings
- Alarm Management
- Scheduler for automatic routine of surveillance tasks, e.g. electronic guard patrols User friendly

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→ Function

When the specified level of motion at any of the monitored sites is exceeded, the remote, VAS (Video Alarm System) or VLP (Video LAN Products) trigger an alarm and transmit live, full-colour video and audio signals via ISDN, GSM, Ethernet or analogue telephone lines, where they are then displayed on the VSS 3900 supervisor PC. All information can be processed, printed and archived on the PC's hard disk from where it can be retrieved later if necessary. This is particularly important for complex security related applications, where the event documentation and off-line analysis are essential. Image quality delivered by VSS 3900 satisfies even the most demanding requirements as imposed by security and remote surveillance.

Video snapshots are displayed in high resolution, full-colour image quality at up to 25 frames per second. In combination with a remote device, image resolution and video frame rate may be adjusted online according to specific requirements.

Within the site map, every location can be represented in detail to the level of individual physical systems, such as video unit senders, display and event windows, sensors and switches. These systems can be associated, arranged hierarchically and operated by a simple mouse click.

Interoperability with VAS and VLP.

The full potential of VSS 3900 is unleashed in combination with the VAS or VLP senders (see separate datasheets).

VSS 3900 provides full remote control of these remote systems and connected cameras (e.g. Pan/tilt/zoom).

Alarm Management

Users are guided through incoming alarm messages by sophisticated alarm management. Previously prepared location maps and action plans are optionally displayed when an alarm source is detected by the system. Activated cameras as well as additional cameras are clearly shown and can be selected by a single mouse click. In order to be processed, all incoming alarms are queued in order of occurrence and deactivated only after processing and acknowledgement.

In addition, VSS 3900 offers a high security level through a comprehensive management of users and access rights. User profiles allow for flexible and intelligent control of priorities and password levels. All alarm events and user actions are logged in a database, which allows for an appropriate classification, and selection of recorded alarms for reporting, documentation and billing purposes.

Network Access

The VSS 3900 communicates across several common wide area networks (WANs) besides ISDN, such as analogue telephone lines (via modem), wireless GSM networks, and LAN (TCP/IP). When connected via Ethernet (TCP/IP), additional local video sending units as well as further workstations can be connected. This offers maximum flexibility for network access wherever ISDN is not available or serves as backup path. Communication via LAN is especially attractive for cost-effective surveillance of premises and building sites based on existing structured cabling.

Video, audio and data transmission from up to 4 simultaneous network connections can be accomplished using an unrestricted combination of available communication networks.

System Requirements

- Pentium II with 300 MHz or higher
- Windows NT or Windows 95
- 65 MB RAM
- Graphic Card with PCI-Bus
- ISDN (Quadro) Card with CAPI 2.0
- Ethernet Card
- Sound Card (optional)

→ Applications

VSS 3900 Video Management Software is an interactive video alarm management system which serves as the receiver for live video images, audio and data from several remote sites at the same time. Equipped with an individual graphical interface and a site-map editor, this Video Software Solution (VSS) allows for customising and creating detailed site maps of the monitored locations, which can be arranged hierarchically. Users can not only get insight into multiple distant events and perform alarm management from any distance, but maximise the clearness of the most complex control and surveillance situations.

Public/ Urban Security : emergency call centres, access control

systems, surveillance of road traffic, railroads

Private Security : security service providers, surveillance systems of building sites, estates, entrances

Commercial : surveillance of banks, department stores, warehouses

Medical : telediagnosis, medical supervision, nursing

Tourism : checking weather conditions, event information services

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