

Features

- Interactive Remote Video Recording System
- Recording of up to 16 live video and audio streams for hard disk
- Designed for Windows NT
- Full management of connected cameras through included built-in directory
- Video, audio and data communication via TCP/IP
- Superior video image quality with up to 25 frames per second
- Microsoft Access database for processing user data, events and recordings
- Alarm Management
- Job Scheduler for unsupervised recording tasks
- Flexible task manager, e.g. time configuration
- Storage to external devices via AVI conversation
- Playback of recorded sequences whilst recording
- Option to connect additional local cameras via a framegrabber board
- Complies with ITU-T H.320/H.323 standard

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Controlware-VSS 3800/16 is a video recording software which serves as a receiver for live video recording, data and audio from several remote sites at the same time. This information is transmitted via TCP/IP networks or other common wide area networks and is displayed as individual images on a supervisor PC containing the software. There are many advantages to using existing computer networks (LAN) for audio-visual data transmission and a networked PC for recording including unprecedented flexibility, scalability and cost efficiency for performing the most complex security and surveillance applications.

VSS 3800/16 allows for the handling of up to 16 simultaneous video connections and alarms, which can be recorded live to a local hard disk for future retrieval and screening. Equipped with a built-in profile editor, the system allows for scheduling of automated and unsupervised operations. Thus, the Windows NT Video Software Solution (VSS) is ideally suited for a variety of individual video surveillance applications requiring the monitoring of several remote locations simultaneously.

Applications

Public/Urban Security

- emergency call centres, access control systems, surveillance of road traffic, railroads

Private Security

- security service providers, surveillance systems for building sites, estates, entrances

Commercial

- surveillance of banks, department stores, warehouses

Medical

- telediagnosis, medical supervision, nursing

Monitoring Stations

- unmanned surveillance applications/ services

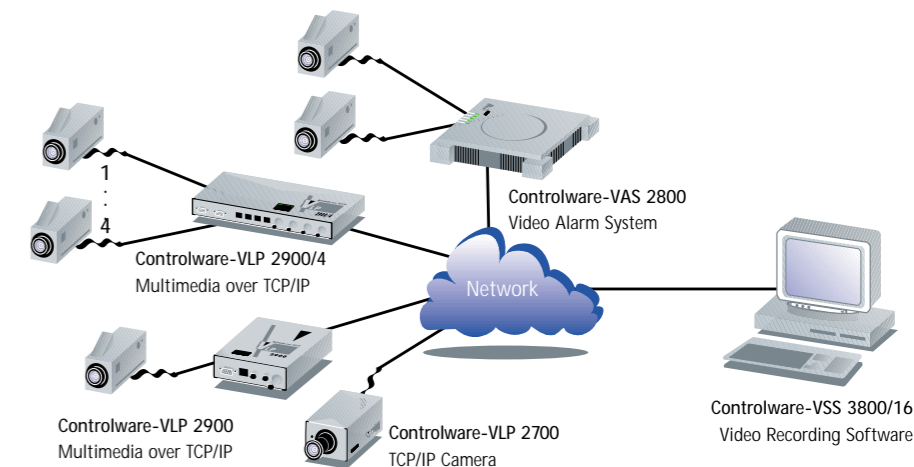
Function

When the specified level of motion at any of the monitored sites is exceeded or an external alarm input is received, the remote Controlware-VLP devices trigger alarms and transmit full colour video signals via TCP/IP to the VSS 3800/16 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 event documentation and off-line analysis are essential. Image quality delivered by VSS 3800/16 satisfies even the most demanding requirements imposed by security and remote surveillance environments. Video footage 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 on a per camera basis.

With the built-in editor, recording tasks can be created. These tasks are then programmed using the job scheduler for automatic operation. Thus, when a scheduled job is activated, VSS 3800/16 will automatically connect to the selected video unit sender and record live video streams or sequences of still pictures.

The integrated database allows for comprehensive archiving and management.



Alarm Processing

In addition to scheduled jobs, unsolicited incoming alarms are recorded. This is especially suitable for unstaffed surveillance situations.

Network Access

VSS 3800/16 communicates across Local Area Networks (Ethernet-LANs) with the TCP/IP protocol. This allows for cost and time efficient surveillance of complex control situations.

In addition to TCP/IP, communication via several wide area networks such as ISDN, analogue telephone lines (via modem) and wireless GSM is also possible. This offers maximum flexibility for network access.

Video, audio and data transmission from up to 16 simultaneous network connections can be accomplished using an unrestricted combination of available networks.

System Requirements

- Personal Computer with PentiumII 650 MHz or better
- Windows NT (from 4.0) 128 MB RAM
- Graphic card with PCI bus or AGP
- Ethernet card (100 Base/T)
- Framegrabber for local cameras (optional)
- Sound card (optional)
- Separate Hard Disk for the operating system
- Separate Hard Disk for the VSS 3800/16 database