VIDIA500

Digital Archive System for Video Surveillance Data

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Take advantage of the most modern digital technology for your video surveillance and archiving tasks. Employ the VIDIA system from DResearch: simple installation and easy to use with maintenance-free operation. No materials required due to consumption or wear and tear. Save your video data over days, weeks or months. Promptly locate and view your recordings of interest from the archive along with many other features.

Substitute your old long-term video recorder with our VIDIA500. With this system, you can simultaneously display live images or videos from the archive, even while a recording is running.

For large objects such as banks, airports, industrial sites or shopping centers, we recommend our scalable and modular VIDIA3000 system.

Functional Description

VIDIA500 combines the functions of video multiplexes, long-term recorders and motion detectors in one system for up to 16 cameras at a time.

During a recording, it is possible to simultaneously display on the monitoring screen, current and archive video recordings within freely chosen playback areas.

In every camera image, a crosshair denotes motions of interest for investigation.

The video is digitally saved on the system hard disk, making it possible to find any recording within seconds. The recordings do not age and can be displayed, copied or analyzed without any loss in quality.

The operation of the VIDIA500 is similar to that of a video recorder; with forward, rewind, play and stop functions. The digital technology allows, however, to "jump" to a desired time, or to move forward or backward from "event" to "event".

Thus, it is possible to quickly obtain interesting events, even within lengthy recordings.

The operation, as well as the starting of the VIDIA500 system, is quite simple: install the cameras - switch them on – and ready to go. In addition to the available standard configuration, other functions may be utilized if needed. For example, the assigning of special names, timer setting definitions or the recording mode for the attached cameras.

Optionally, the saved images can be stored in a CD.

Fields of Application

Surveillance of smaller objects like shops, offices or filling stations

- Cash areas
- Cash dispensers
- Petrol pumps
- Car parks

General Object Surveillance

- Use in observation operations
- Evidence in legal proceedings
- Evaluation basis for insurance cases
- Safeguard against theft and other criminal offences

Analysis of Technical and Other Processes

- Monitoring of experiments
- Detection of weak points in internal procedures
- Documentation of processes in the event of complaints
- Analysis of circumstances in case of accidents

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Features

System Characteristics

- Triplex system: simultaneous recording, live image display and playback of archive images
- Division, selected by the user, of the screen for live display and playback
- Locating archived images according to camera, date and time
- Operation using the mouse
- Automatic recognition of the attached cameras during system start up, as well as continued operation

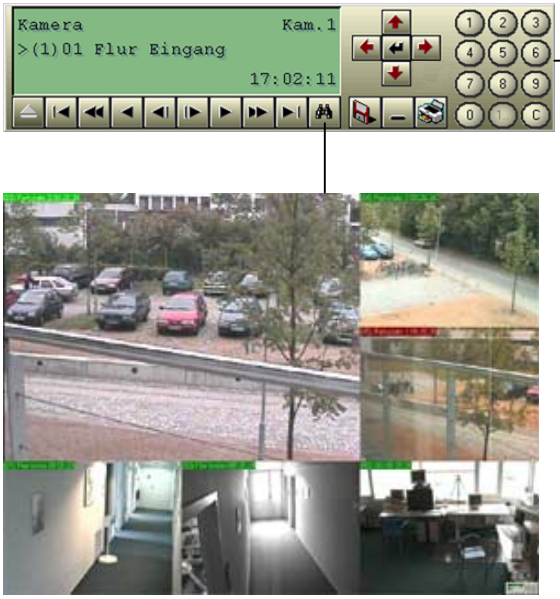
Security Functions

- PIN-protected system configuration
- Advanced warning to prevent the overflow of disk capacity

Motion Detection

Saves images in case of motion or sensor alarms

- Suppression of the motion detection in areas investigated or fixed by the user
- Dynamic allocation of memory space to the attached cameras, according to the respective intensity of motion.



Playback

Finding a saved image with the VIDIA500 system is very simple. Just select the desired camera, press the search symbol and then give the time you wish to trace. The images appear immediately on the screen. The saved images are displayed beside the live images, so that nothing escapes you while you inspect them!

The user instructions are available in German or English, depending on the installation.

Technical Data

Model	VIDIA500/4 - 4 Camera inputs; VIDIA500/8 - 8 Camera inputs VIDIA500/16 - 16 Camera inputs
Video Input	FBAS, 75 Ohm, BNC (PAL/ NTSC automatic recognition)
Video Output	VGA
Recording	Automatic image recording through motion detection or contact-controlled
Alarm Input	2 contacts per camera
Image Resolution	720 x 288 (TV-field)
Compression Method	JPEG
Memory/Storage Period	20 Gbytes - 75 Gbytes/ e.g. 1 month (23 workdays) with 8 cameras (approx. 36 Gbytes)
Playback	Single image forward/backward , playback forward/backward, Event forward/backward, fast forward/backward Parallel display of several camera traces
Search Criteria	Date, time, camera
Video Signal Failure Detection	Immediate failure detection via live image display
Day/ Week Timer	Adjustable per camera
Operation Elements	Mouse, screen information
Export	CD-R
Weight/ Size (HxWxD)	ca. 10 kg (22 lb) / 14 x 33 x 35 cm³ (5.5 x 13.0 x 13,8 in³)
Power Supply	230 VAC/50/60 Hz