

# VIDIA2000/3000

*Digital Archive System for Video Surveillance Data*

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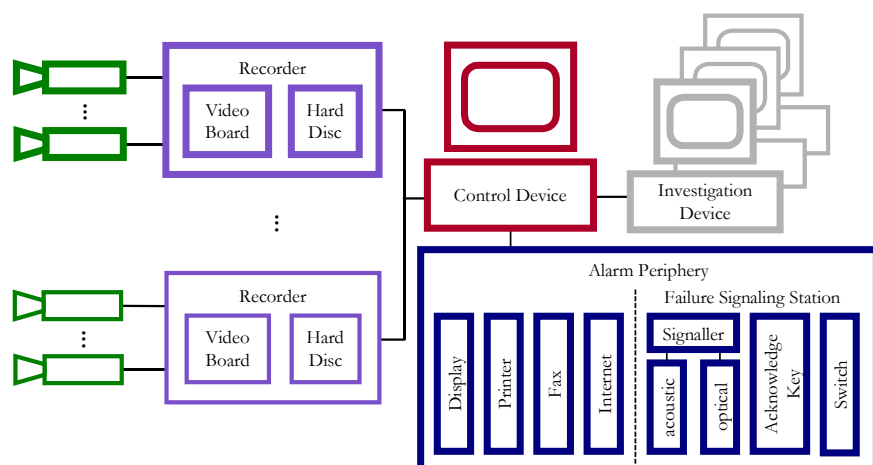
County court Berlin-Charlottenburg · HRB-Nr. 54412

Accounting details:

Dresdner Bank AG

Bank code number: 120 800 00

Account number: 40 472 475 00



**VIDIA2000/3000** are digital archiving systems for video surveillance data. These modular, network-based systems allow the attachment of an almost unlimited number of cameras and are, therefore, suitable for the surveillance of banks, airports, industrial sites or shopping centers.

For smaller objects, like car parks or filling stations, we offer the all-in-one VIDIA500 system, with up to 16 cameras.

## Description

The VIDIA3000 system is provided in a 19-inch mounting rack technology and equipped with robust, industry-fit, modules.

The VIDIA2000 system offers similar functions, but is equipped with PC modules. VIDIA2000 is especially fit for simple and undemanding environmental conditions.

The systems, built in a modular way,

consist of control device, recorder, investigation device and alarm periphery. Up to 16 cameras can be attached to each recorder, thus resulting in a considerable reduction of hardware and maintenance expenditure per camera.

For each camera, a number of settings like daily operation time, recording rate, resolution, archive time, pre- and post-recording time for motion detection and

image quality (image size in Kbytes) can be individually adjusted.

In order to store efficiently the accumulated video data, DResearch has developed the "TriMeleon DT1101 Board", a high-performance module that uses a TriMedia® processor.

The compressed video data are locally stored in disk arrays assigned to the recording units.

## Features

### System Characteristics

- **Network-based System**  
Recording units work independently (also in case of server break-down)
- **Wavelet Compression**  
Use of the most modern compression techniques for an optimal storage utilization
- **Reliability**  
Periodical recorder self-tests  
Hard disk supervision  
Recorder control through the control device

### Motion Detection

- **Software Motion Detection**  
Adjustment of motion sensitivity  
Archiving of video data with motion activity over the prescribed threshold, together with pre- and post-recording times  
Automatic deletion of video data with low motion, resulting in a substantial reduction of memory space
- **Hardware-Sensors**  
Possible connection of up to 4 hardware sensors for motion detection (e.g. infrared sensors) per video card

### Security Functions

- **Reference Image Comparison**  
Automatic detection of minimal camera position changes  
Predefined actions for error messages are possible
- **Video Signal Test:**  
Permanent test of the active camera signals
- **Disk Space Test**  
Overflow of disk capacity is prevented by just-in-time warnings

## Possible Fields of Application

Surveillance of banks, airports, industrial sites, shopping centers, or car parks

- Self-service zones
- Cash areas
- Cash dispensers
- Vaults
- Site surveillance

General object surveillance

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

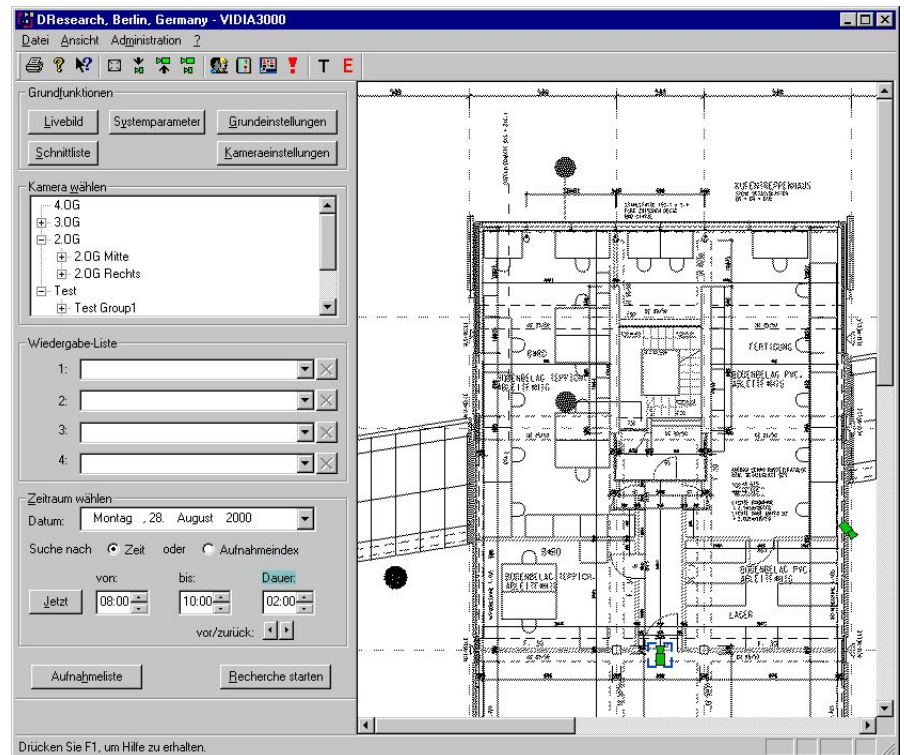
Analysis of technical and other processes

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

## VIDLA Software

The following components belong to the VIDIA software package:

- *Recording software*  
Video recording and data compression  
Self-controlled recorder
- *System control software*  
Central supervision and control of all recorders
- *Configuration software*  
Recorder configuration and set up
- *Investigation software*  
Investigation of the recorded video data
- *Export data investigation software*  
Investigation of recorded video data from an external PC



Graphical user interface of the configuration and investigation software

## Technical Data

Number of cameras	unlimited
Camera inputs	UVV-Kassen conform
Images per second and camera	3 - 19, depending on resolution
Alarm transmission	RS 232
Image resolution	720 x 288 (TV field) / 352 x 288 (CIF) / 176 x 144 (QCIF)
Compression technique	wavelets (5 Kbytes/image have a quality comparable to 25 Kbytes MJPEG)
Storage period	depending on disk array configuration, e.g. 1 month (23 workdays) with 72 Gbytes per recorder and 16 cameras per recorder
Image analysis	image search by time / date / transaction data / camera number
Integration into existing infrastructure	existing analog cameras and fast ethernet networks can be used
Password protection	password protected; separate user rights (administrators, inspectors, users); simultaneous log-in of 2 users from 2 groups required
System settings	protected; administrator privileges required
Maintenance	maintenance free