**funkwerk)))**
video systeme

# Video management system p.o.s.a.

high-end management system for complex applications

## Highlights:

- modular architecture for free scalability

- customized solutions possible

- dynamic bandwidth management for handling of connections with limited bandwidth

- intuitive PTZ control through panoramaview and mousetracking

- customized and dynamical change of user rights

- all system events are configurable as virtual alarms

- management of complex alarm scenarios

- open system architecture allows integration of 3rd party IP cameras

- comfortable search in archives with static backward object search

- playback of alarm recordings by selection of the logbook entry

- integration of digital monitor wall (Multiview) and recording systems (NVR)

- supporting multiple transmission technologies

Customized system

Multiserver

Panorama view

Mousetracking

Event handler

Multiview

NVR | Analog

Digital | Hybrid

QUALIFIED FOR
**complex systems**

**Security made in Germany**
development & production

# Video management system p.o.s.a.

## Technical data

### Server & workstations/system structure

| | |
|---|---|
| Multiserver/distributed systems: | unlimited divisible* |
| Quantity clients: | unlimited |
| Quantity NVRs: | unlimited |
| Quantity monitor walls: | unlimited |
| Redundancy concepts: | 1:1, 1:N, N:M, ring system |
| Supported operating systems: | Windows XP, Windows 7 (32 and 64 bit), Windows 2008 Server (32 and 64 bit) |

### Video

| | |
|---|---|
| Frame rate: | free configuration, change at run time possible (VNS) |
| Multicast: | yes |
| Export: | AVI, FWP |
| Export usable as evidence in court: | yes, fwp |
| Tamper protection: | VSID |
| Motion detection: | VNS, VD1000 |
| Video analysis: | VD1000 |
| Object tracking: | VD1000 (fix ptz tracking) |
| Dynamic bandwidth management: | VNS |

### User interface

| | |
|---|---|
| Languages: | de, en, it, fr, ru, se |
| PC monitors: | up to 4 per workstation** |
| Sitemaps | |
|    Format: | bmp |
|    Quantity: | unlimited |
|    Customizable layout: | yes |
| Video window (at 25 fps)**: | 28 x D1 MPEG4-2<br>14x D1 H.264<br>7x 720p (H.264)<br>3x1080p (H.264) |
| Arbitrary placement/ size of video windows: | yes |
| Logbook: | yes* |
| Connection favorites: | camera group connection |
| Programmable functions for interactive buttons: | yes |
| Panoramaview: | yes |
| PTZ in the video window: | yes, mousetracking |
| Virtual patrol: | yes* |
| Video connection: | drag&drop, click, numpad, control unit |
| Blocking operating system features: | yes |
| Live replay and recording at the same time: | yes, multiple |
| Video window optional live / recording: | yes |
| Vendor-independent video presentation: | yes |

### Replay

| | |
|---|---|
| Replay speed: | 0.25x - 80x (forward and backward) |
| Single-frame replay: | yes |
| Replay in groups: | yes |
| Time-shifted replay: | yes |
| Multicast replay: | yes |
| Replay on a HW decoder: | yes |
| Instant replay: | yes* |
| Event log at the timeline: | yes |

### Event reporting

| | |
|---|---|
| Events: | all system states can be defined as events |
| Dynamic user rights adjustment: | yes, job reporting |
| Graphical script editor: | E-Handler |
| Quantityr alarms: | split on multiple server possible |
| Alarm recording: | yes, pre- and post-alarms* |
| Alarm priorities: | 1000 |
| Virtual alarm trigger: | yes* |
| Complex alarm scenarios: | yes* |
| User event fields: | yes* |
| Operation plan for alarm management: | up to 8 operations |
| Alarm logbook: | yes, playback of alarm recordings by selection of the logbook entry |
| Event triggers an alarm: | yes* |
| Audio in case of alarm: | yes* |
| Alarm connection: | yes* |
| Configurable cameras for alarm connection: | yes, multiple (camera groups)* |
| Recordings schedule: | yes* |
| Boolean coupling of events to alarms: | yes* |
| Naming for alarms: | yes |
| Multi-user alarm management: | yes |
| Marking of alarm zones in the sitemap: | yes |

### User administration

| | |
|---|---|
| Quantity user: | unlimited* |
| Quantity user groups: | unlimited* |
| Camera control priorities: | 100 |
| Adjustable access levels: | multiple free definable rights through job groups |
| LDAP with active directory: | with Windows Server 2008 |

### Interfaces

| | |
|---|---|
| Integration of control systems: | host interface (RS232/485, TCP/IP) |
| CCTV-Matrix: | VAZ |
| I/O via TCP/IP: | Web-I/O |
| Control units: | BMS LCD, BVZ10/20, CT40, Space Navigator |

### Protocols

| | |
|---|---|
| Compression methods: | h264, Mpeg4 Simple, Mpeg4 Advanced Simple Profile |
| Resolution: | 1080p, 720p, D1, 2CIF, CIF, QCIF |
| PTZ protocols: | Fernwirk, Poling, Multisec F0/F1, SLR 520, Pelco D***, Axis Vapix***, ONVIF PTZ (expected in version 5.8) |
| VNS control: | PRHP |
| Video transmission: | RTP via Multicast/Unicast |

### Supported encoder/ cameras***

| | |
|---|---|
| VNS: | all formats |
| Axis: | all models with mpeg4-part2 and/or h264 up to 3 megapixel of the 200, M, P and Q series. PTZ via Axis Vapix interface |
| JVC: | VN-V25U,VN-V26U,VN-V685,VN-V686, VN-V225, VN-V235 |
| Dallmeier (PTZ functions expected in version 5.8): | 4010 series, 4500 series, 4900 series |

### Project specific extensions

| | |
|---|---|
| Service tools: | test programs, remote diagnosis, remote parameter configuration, simulation |
| Video analysis (expected in version 5.8): | number plate recognition, post privacy masking (PRIMA - P), static backward object search |
| Interfaces to 3rd party systems: | Dallmeier DMS, Primion/Dr. Staedtler, KABA, CS Systemes de Securite, Igis Lan, Esser-Net, Schneider-Interkom, Citilog, OSMO |
| Protocols: | SNMP Client/Server, OPC |

\*   individual configuration

\*\*   at HP Z600 configuration

\*\*\*   Live video, recording/replay, PTZ (right/left; up/down, zoom/focus; get/set presets expected in version 5.8)