Products of our professional CCTV system solutions

η eta-line

- Integrated security concept based on object-oriented software and current computer standards
- Open video and event management
- Real time data exchange between intelligent, networked stations
- System compatible
- Modular design, flexible functional expansion by adding stations
- Job Handler, Event Manager, and Object Configuration
- Individually formatted operating interface with task automation

Managementsystem p.o.s.a.

plettac open security architecture

Description

For the first time, plettac Security integrates CCTV in digital, networked systems within a dynamic, open security architecture. Essentially, it is an intelligent security control system combining familiar sub-systems – such as virtual crossbar, video matrix, video motion detection, HD recording, transmission and camera programming – with open event management. Hardware stations having single or multiple tasks are cleverly linked to exchange real-time data and the corresponding video images. Video signals can use ISDN, LAN or analogue media for the transmission to networked subcentres. This system concept offers dynamic security solutions which integrate existing investments and facilitate future expansion.

plettac Security has again succeeded in developing this security technology in the most economic way. Object-oriented software topologies based on the Windows® environment provide efficient, modular solutions for today's applications where synergies with peripheral systems are needed. User-friendly configuration procedures and a powerful event manager ensure easy system servicing and a high degree of flexibility for producing advantageous individual client solutions.

A specially designed communication and network management system (NSys) supporting both analogue and digital transmission, offers dynamic selection of the transmission capacity depending on current security and operator needs. For efficient, comfortable operation, your choice of userfriendly control devices and workstations extends from handheld keypads with LCD indicators; through PC platforms with graphic site plans and action lists for easy, error-free operation; to our specially-developed, freely formatable, multimedia man-machine interface.
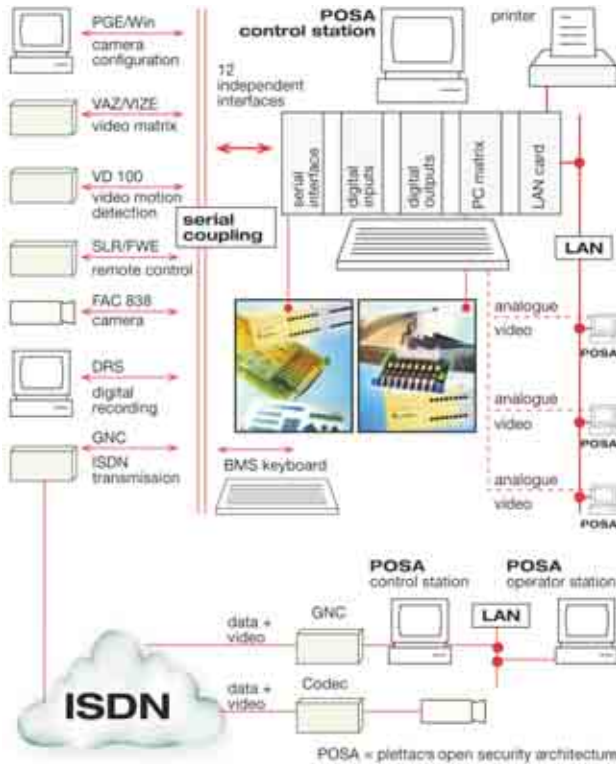
The hardware platforms are built using current standard computer technologies and are cost-effective, fully expandable and upgradeable. They are fully compatible with peripheral systems, all levels of the modern security CCTV operation, including video, control and data systems, and of course, with our current security product range.

The complete structure can be regarded as one of distributed intelligence, with autonomous hardware and software stations, providing easy, open access and incorporating inherent automatic back-up structures.

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"Anything is possible": versatile technology

The technology of plettac open security architecture (POSA) supports many different types of link between modular, autonomous control units, so that a complex network of transmission paths and a highly efficient, customised solution can be created.

LAN connections are used

- to cascade (19") stations
- to increase available I/O interfaces
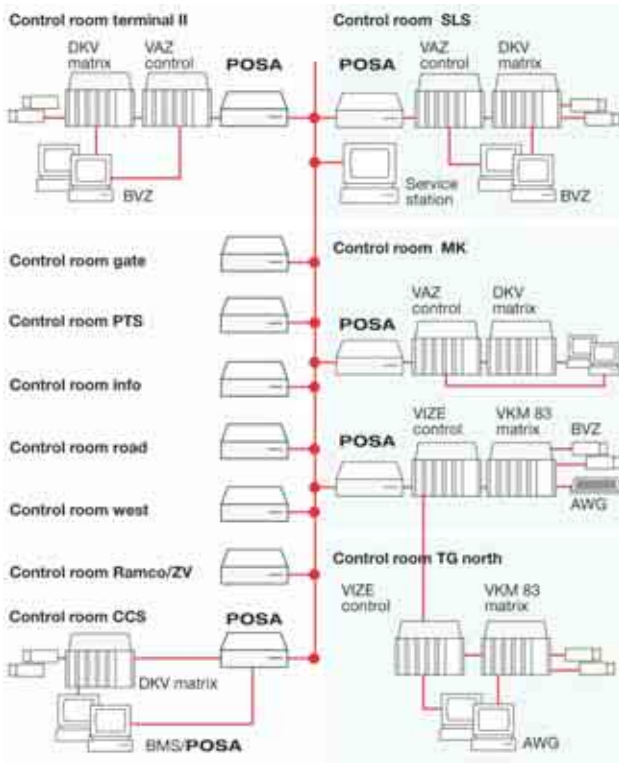- to link networked computers and subcentres, as well as graphic workstations and hand-held keypads.

ISDN lines with codecs are used

- for connecting fully autonomous computer stations and subcentres
- for linking codec receivers.

Making the best use of existing resources, analogue video signals can be transmitted

- via copper or optical fibre cabling.
- digital over ISDN
- digital over LAN

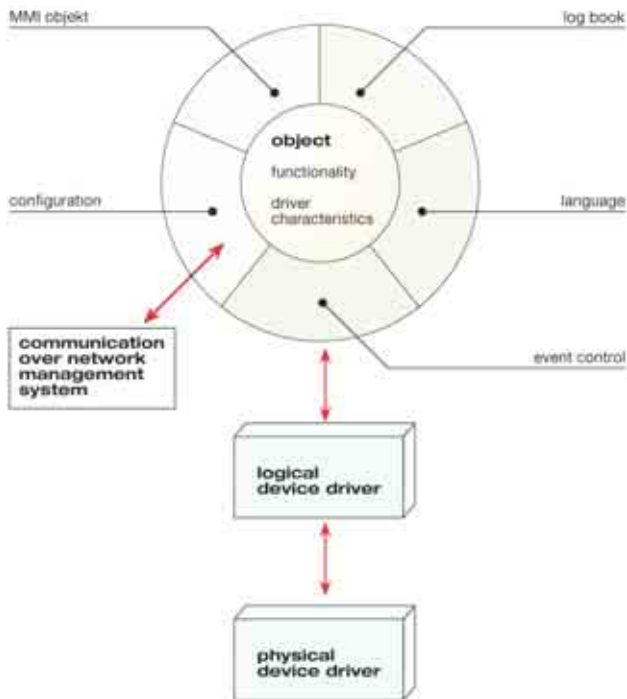## "System compatibility": your old system learns new tricks

Case Study

The open security architecture concept enables the development of systems in stages, so that compact systems can be expanded into complex, flexible structures. The principle was used for the system solution at the Southern Cargo Extension at Frankfurt Airport where many existing security systems such as VAZ and VIZE were linked together into a single flexible unit.

Total system numbers:

- approx. 1200 cameras
- approx. 110 operator keyboards
- approx. 400 CCTV monitors
- 8 interconnected p.o.s.a. units
- 7 graphic workplaces

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Special software for dynamic video event management

plettac open security architecture uses the concept of modular software to produce perfect-fit tailor-made solutions, and it has several special characteristics which enable it to sustain ongoing development while providing optimal functionality.

Expandable software through object-orientation

Software objects and logical and physical drivers are the basic building units of the modular system. These software objects can be monitor objects, camera objects, remote control objects or floorplan objects. Each object contains within it all the capabilities and characteristics which are needed for a dynamic security system:
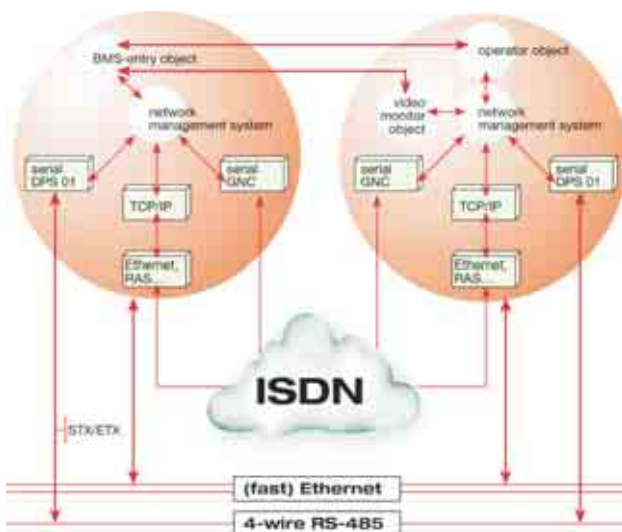
- object functions
- configuration data
- event management procedures
- log book data
- data for producing an MMI visualisation
- language details
- ability to communicate via the network management system
- interface with the logical device driver
- interface with the physical device driver

The range of objects available for constructing ideal customised system solutions is comprehensive and continually increasing.

Easy configuration

Each object includes configuration screens with appropriate menus. The logical sequence ensures function settings are properly defined and the configuration screens grow in parallel with the range of available objects.

Special dynamic communications and network management system

In plettac open security architecture a specially developed communications and network management system takes over management of communication between objects. It provides open communication with the ability to use many different transmission media. New transmission systems can be included by simply replacing the driver.

The communications and network management system provides continuous checking of the infrastructure and always ensures the most efficient use of transmission capacity with regard to prevailing needs and conditions.

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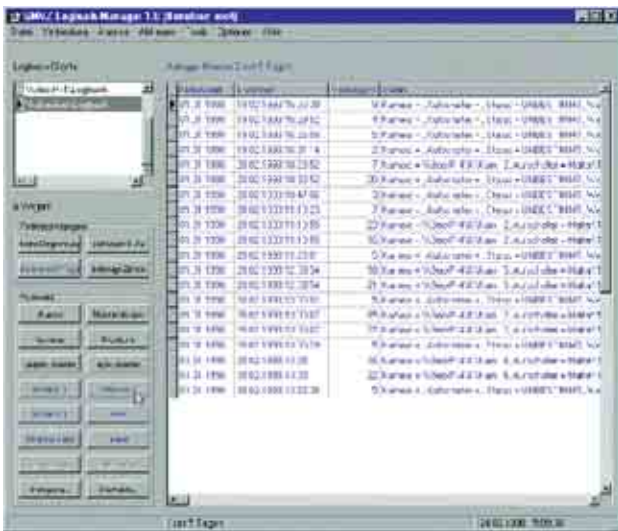## Event Manager and Job Handler provide customised procedures

The Event Manager is a simple, effective tool for creating project-specific automated functions. The Event Manager's menus behave just like those of a standard object and it produces customised functions quickly and easily by setting parameters rather than by programming.

The Job Handler determines the operating privileges. An operator's tasks and responsibilities are defined in the job catalogue when the system is set up and are dynamically altered, for instance at login/logout, to cope with capacity limitations, when requested by the system supervisor, or by time schedule.

The Job Handler consequently provides the ideal means by which supervisors can distribute operator tasks as and when necessary to optimise workloads.

Online log book system

The log book is an essential element of the security concept as it ensures all processes and actions are recorded and can therefore be adapted to suit customer requirements. Used during installation, it is a valuable tool in controlling resources and establishing efficient process control. Its most notable features are:

- decentralised structure
- online operation
- selection criteria are categorised freely
- free choice of names for data points
- user administration functions
- report generation functions

SQL query interrogation with extensive choice of database criteria

Multi-media man-machine interface (MMI) The customised formatting and logical design of the manmachine interface encourages reliable and efficient use of the system. Freely definable screen formats range from traditional workstation style with graphical site plans, to icon-based alarm representations, and individually designed multi-media screens.