

SIMATRIX 648 II Videomatrix-System

Description

The SIMATRIX 648 II is a economically priced video matrix system with up to 64 video inputs and 8 outputs. The SIMATRIX 648 II is the successor of the well-tried SIMATRIX 648, additionally providing the following:

- LAN connection: control, programming, and diagnosis via LAN, connection of LAN-based operating devices
- RS485/RS422 outputs for direct PTZ control of dome cameras (2 of 7 available PTZ protocols can be used at the same time)
- All 8 video outputs can be used for switching video signals to monitors, due to a dedicated signal loss axis.

With regard to functions and pin assignment, the SIMATRIX 648 II is hundred per cent downward compatible with the SIMATRIX 648 — to the point, that even the parameter file is fully compatible — and thus can serve as 1:1 substitute in existing systems.

Video Matrix

- Modular system in a 3U rack according to IEC 60297
- 75 Ω BNC connectors
- Minimum configuration: 16 inputs, 4 outputs
- Maximum configuration: 64 inputs, 8 outputs
- Video inputs expandable in increments of 16
- Video outputs expandable in increments of 1

Control

- LAN connector for 100 Base-T network for
 - Connecting LAN-based operating devices
 - Status display via integrated web server
 - Programming
 - Control by a management system
- Three serial interfaces (RS232) for connecting external systems, for programming via a PC, and for dialling substations
- Connection of 2 operating devices (with extension module 4) with freely programmable keys, e.g. SUT50, SUT32, SUT2, CKAXX. Via LAN, up to 16 LAN operating devices can be connected.
- Connection option for PTZ cameras (RS485/RS422) and domes with diverse protocols (expandable to 4 interfaces with 2 protocols)
- Up to 8 serial CL/TTY interfaces for connecting PTZ cameras and domes with suitable interface
- 16 protected alarm inputs (expandable up to 64 alarm inputs)
- Operating devices with freely programmable keys
- Basic program and 6 alarm programs pre-programmed on CD-ROM, for Windows 2000/XP/Vista, and Windows 7
- 8 control outputs for control of VCRs and image storage
- Master relay with 2 potential-free changeover contacts



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Operation

- Via simple graphic user interface and visualisation by SDC Videosever
- Via operating devices SUT50, SUT32, SUT2, CKAXX

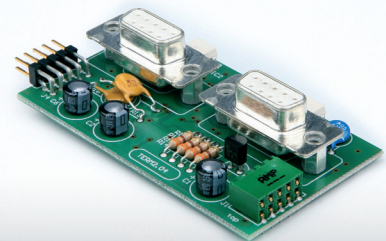
Modules

- (A) 648 Term 2 TTY (648 TERM2): interface card for connecting 2 additional operating devices (max. 4)
- (B) 648 interface card Alarm16/SCU8 (648 A16/SCU): Alarm/SCU interface card with 8 serial TTY/CL (20mA) interfaces for connecting PTZ drive control units for pan/tilt/zoom cameras (max. 32 when fully equipped) and 16 alarm inputs (max. 64 when fully equipped)
- (C) 648 interface card Alarm16/Dome (648II A16/DOME): interface card with 1 serial RS485 bus interface (RS422-Simplex) for connecting up to 16 dome cameras (32 at most) and 16 alarm inputs per card (max. 64 when fully equipped)
- (D) 648II Video input card (648II VME16): expansion card for additional 16 video inputs with 75 Ω resistors (max. 64 when fully equipped)
- (E) VKS OSD text module (VKS OSD-TEXT): Expansion module with text generator for one additional video output (max. 8 when fully equipped)

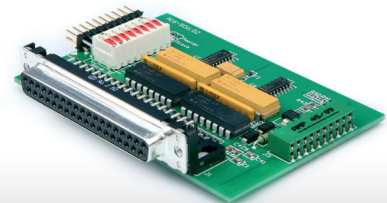
Programming

- Time and weekday controlled alarm programs
- VTR switching contacts for alarm recording
- Freely programmable camera image sequence (can be programmed to start up when the system is switched on)
- On-screen text and time insertion for each operation place freely editable
- Camera text per camera (IBM character set, 12 lines at 24 characters each)
- Group and alarm switching (max. 8 cameras)
- Alarm positioning of PTZ cameras
- Each operation place can be limited regarding switching inputs to outputs
- Operating devices with freely programmable keys
- Special functions can be realized by macros.
- Parameter set can be stored as data file (library function)

A

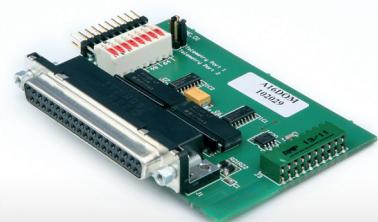
TERM 2
interface card

B



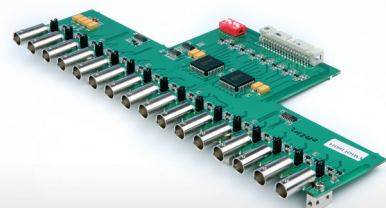
Alarm16/SCU8

C

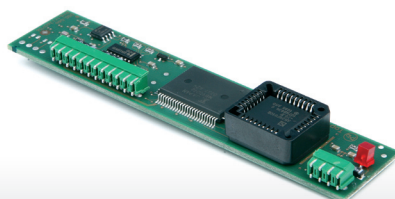


Alarm16/DOME

D

648II VME16
expansion card

E



VKS OSD-TEXT