SIMATRIX 648 Videomatrix-System

Description

The video matrix SIMATRIX 648 consists of matrix unit and a Windows PC based programming software. It allows switching of 64 video input signals to 8 video outputs (in any order) .

The system is installed in a 3U rack according to IEC 60297.

Matrix Unit

- Modular system in a 3U rack according to IEC 60297 with 75 Ω BNC connectors
- Basic 3U rack: minimum configuration 16/4 (inputs/outputs) maximum configuration 64/8
- Video inputs expandable in increments of 16
- Video outputs expandable in increments of 1
- 1 output can be dedicated as a signal loss check axe

Control

- 3 serial interfaces (V.24) for connecting external systems or for programming system parameters
- Connection of 2 keyboards (up to 4 possible), each with 32 freely programmable keys
- 1 preprogrammed Basic and and 6 alarm programs
- 8 serial TTY/CL-(20mA) interfaces for connecting pan/tilt camera heads
- Interfaces for connecting 16 alarm inputs
- Camera positions can be stored and recalled (in conjunction with PTZ drive control unit CDC0502 or Domes)
- 8 open collector outputs for control of any contact triggered video recording unit

Operation

- Simple graphic user interface and visualisation via Interactive Video Management System (IVM) or SDC
- Keyboards with freely programmable keys
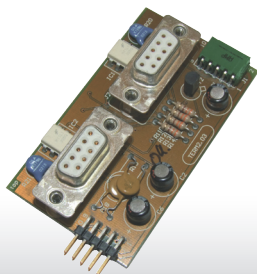

SIMATRIX 648 / Front
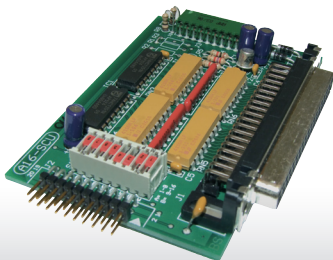

SIMATRIX 648 / Rear

SIMATRIX 648 Videomatrix-System

Modules

- (A) <u>648 Term 2 TTY (648 TERM2)</u>:
  Interface card for connecting 2 additional operating devices (keyboard with/without joystick or standalone joystick, at most 4 operating devices)
- (B) <u>648 interface card Alarm16/SCU8 (648 A16/SCU)</u>:
  Alarm and/or SCU interface card with 8 serial TTY (20mA) interfaces for connecting PTZ drive control units for pan/tilt camera heads (32 at most) and 16 detection groups (64 at most)
- (C) <u>648 video expansion card 16 (648 VM16-EXT)</u>:
  Expansion card for additional 16 video inputs
- (D) <u>VKS OSD-Textmodule (VKS OSD-TEXT)</u>:
  NEO OSD Text Module for additional video outputs (default: 4, maximum: 8)
- (E) <u>DSU</u>:
  DSU module for connecting domes of one specific protocol. Available for diverse protocols (e.g. Pelco D, CCDA, Civis Minidome ...)
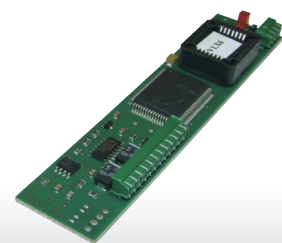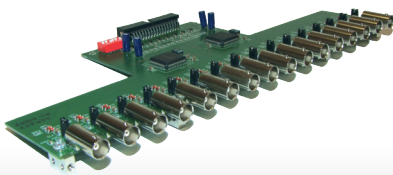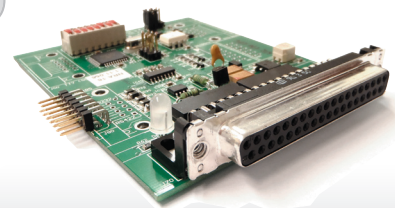
Programming

Following functions of the SIMATRIX 648 can be programmed:

- Freely programmable camera image sequence (can be programmed to start up when the system is switched on)
- Group switching (max. 4 cameras)
- Programmable keyboards
- Displays in *German*, *English*, and *Spanish*
- Parameter set can be stored as data file (library function)
- On-screen text and time insertion for the keyboards
- Real-time clock (date + time), display on up to 8 monitors
- Freely editable text for cameras and alarms
- Camera positions can be stored and recalled (in conjunction with PTZ drive control unit CDC0502)
- Home positioning of cameras with pan/tilt drive and lens control
- Password-protected activation or deactivation of detection groups
- Time and weekday controlled alarm programs
- Alarm group switching (max. 4 cameras)
- Alarm positioning of cameras with pan/tilt drive and lens control
- Alarm image sequence on display
- Log functionality via optional SDC/IVM user interface

A

648 TERM2

B

648 A16/SCU

C

648 VM16-EXT

D

VKS OSD-TEXT

E

DSU