

- Video matrix, configuration through OSD (On Screen Display)
- 4 video inputs expandable to 8
- 2 video outputs
- Remote control by max 2 operators + one local
- Telemetry line
- Privacy video-masking function



The SM42B-SM82B microprocessor-controlled matrix with remote or local control allows the switching of 4 (or 8) cameras on 2 video outputs.

The matrix can be controlled by two remote keyboards, by the local keyboard or by the infrared remote control DCIR in RS485.

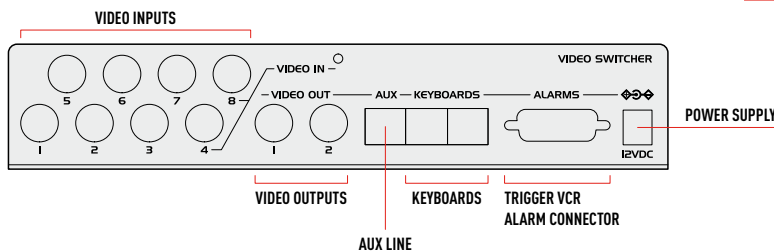
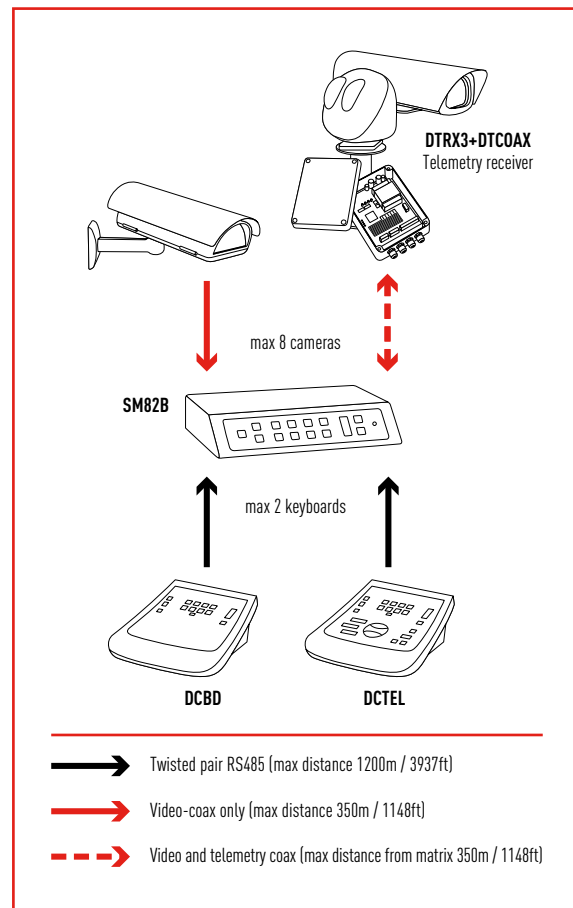
The keyboards, located at a maximum of 1200m (3937ft) from the matrix, allow the video switching and matrix OSD set-up, in four languages and telemetry control through the matrix itself.

One alarm contact can be associated with the corresponding video input. In case of alarm, the alarmed video input can be displayed on the video output. The alarm contacts are independent and configured as normally open (NO) or normally closed (NC). The reset of an alarm situation is performed through keyboard, external contact or time-out.

A programmable password ensures protection from improper use of the matrix.

The telemetry control can be performed over the coax cable or by RS485.

By a VCR trigger it is possible to control the video sequence to be taped.



TECHNICAL DATA

GENERAL

Max 4-8 cameras
 Max 2 monitors
 Max 2 remote keyboards and a local keyboard
 On screen display video programming
 Menu in four languages (Italian, English, French and German)
 Different switching sequences for each video output
 Identification texts for each output
 Types of alarm reset: manual from keyboard, external, timed automatically
 Completely configurable alarm inputs for each 4 (8) video input
 VCR trigger management
 Alarm condition warning buzzer
 Relay can be activated by each alarm
 Telemetry control on RS485 auxiliary line and on coaxial cable
 Local keyboard for complete matrix control
 Video signal masking on fixed cameras for privacy purposes
 Input 75 Ohm load disconnectable
 Supplied with instructions manual, wide range power supply, 3 power cables, 2 RJ11 telephone cables, 2 jack shunt boxes RJ11, 1 DB15 connector

MECHANICAL

Steel enclosure
 Epoxypolyester powder painting, RAL7036 colour
 Keyboard constructed from polycarbonate with 15 keys
 Dimensions: 167x230x47mm (6.5x9x1.8in)
 1 connector 15 poles
 3 connectors RJ11
 Power supply jack connector
 4-8 BNC video inputs
 2 BNC video outputs

ELECTRICAL

Power supply: IN 100-240Vac - OUT 12Vdc, 47/63Hz, 1A
 Power consumption: 15W max
 4-8 inputs 75 Ohm 1Vpp (PAL/NTSC)
 2 outputs 75 Ohm 1Vpp (PAL/NTSC)
 Bandwidth: >6MHz
 Lower cut off frequency [-3dB]: 9Hz
 Signal / noise ratio: > 48dB@5.5MHz
 Relay contact: 50Vac, 0.3A

COMMUNICATIONS

Telemetry transmission on coax cable on the 4-8 video inputs (min distance 5m (16.4ft) and max 350m (1148ft)
 Telemetry data transmission on serial output RS485 for a max distance of 1200m (3937ft)
 Two serial inputs RS485 for the reception of data from 2 remote keyboards for a max distance of 1200m (3937ft)

PROTOCOLS

Telemetry Line

VIDEOTECH (1200, 9600 baudrate)
 MACRO (1200, 9600, 19200, 38400 baudrate)
 PELCO D (2400, 4800, 9600, 19200 baudrate)

PELCO is registered trademark.

Because SM42B-SM82B may be interfaced with equipment not manufactured by VIDEOTECH, it is possible that the interface protocols have changed or are in a different configuration from earlier tested units from us. Because VIDEOTECH recommends a bench test prior to installation, VIDEOTECH will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.

ACCESSORIES

SMEX4 Expansion 4 inputs board for SM42B

RELATED PRODUCTS

DCBD Keyboard to control matrix
DCTEL Keyboard to control matrix and telemetry
DCIR Infrared remote control
DCK Keyboard to control matrix and multiplexers
DCJ Keyboard to control matrix, multiplexers and telemetry equipped with three axis joystick
DCT Touch screen keyboard to control matrix, multiplexers, DVRs and telemetry equipped with three axis joystick
MICRODEC485 Mini telemetry receiver 8 functions, 24Vac
DTMRX224 Telemetry receiver 12 functions, 24Vac
DTMRX2 Telemetry receiver 12 functions, 230Vac
DTRX324 Telemetry receiver 17 functions, 24Vac
DTRX3 Telemetry receiver 17 functions, 230Vac
DTCOAX Over the coax board for DTRX3 only through matrix series SM
DTRXDC Telemetry receiver 13 functions, for PTH355P
ULISSE Positioning Unit

Retrofit on discontinued products; contact VIDEOTECH for further specifications.

ENVIRONMENT

Indoor
 Operating temperature: 0°C / +40°C (+32°F / +104°F)

COMPLIANCE TO

CE according to EN 61000-6-3, EN 60950-1, EN 55022 Class B, EN 50130-4
 FCC according to Part. 15 Class B



Unit Weight:
SM42-82B1.8kg / 3.9lb

Package Weight:
SM42-82B2.4kg / 5.3lb

Package Dimensions (WxHxL):
SM42-82B26x19x16cm / 10.2x7.5x6.3in

Master Carton:
SM42-82B10 units