

SM84-164A VIDEO MATRIX



Video programming
8 video inputs expandable up to 16
4 video outputs
Remote control by max 4 operators
"On Screen Menü"

The SM84/SM164A matrix is a microprocessor remote-controlled video matrix which allows the video switching of 8 (16) cameras on 4 outputs.

The "On Screen" programming can be done in four languages. A programmable password ensures the protection from improper use of the matrix.

The switching is controlled by a max of 4 remote keyboards in RS485.

The keyboards, remote up to max distance of 1200m (3900ft), allows the video switching and matrix set-up, in four national languages, on screen and telemetry control through the same matrix.

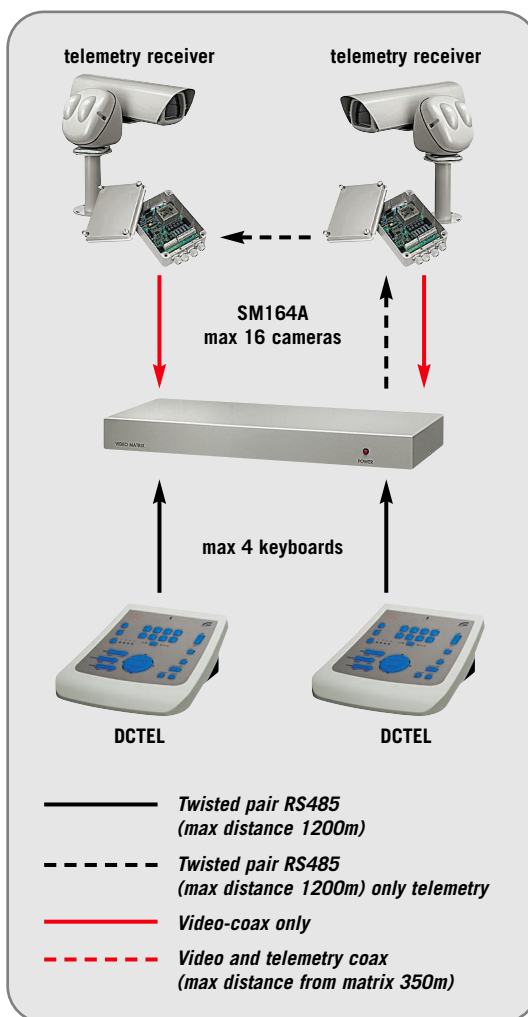
8 (16) alarm contacts can be associated with the corresponding video inputs.

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.

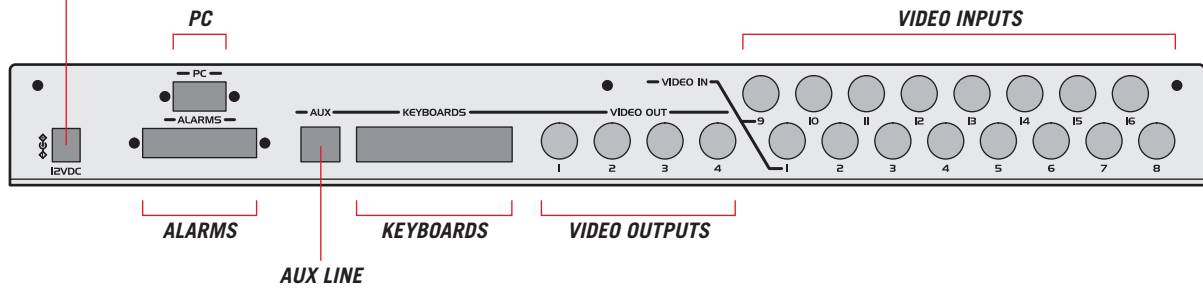
The telemetry control can be performed on coax cable on the 8 (16) video inputs and on the RS485 serial output. The same RS485 output allows the control of the multiplexer SP16C.

Furthermore it is possible to control the video switching by a VCR trigger signal.



MODELS

SM84A	8-input and 4-output Video Matrix
SMEX8	Expansion 8 inputs board for SM84A
SM164A	16-input and 4-output Video Matrix

**SM84-164A****VIDEO MATRIX****POWER SUPPLY****TECHNICAL DATA****GENERAL:**

- Max 8-16 cameras
- Max 4 keyboards
- Video programming
- Menu in four languages (Italian, English, French and German)
- Different switching sequences for each output video
- Identification texts for each output
- Date and time management settable from the user
- Types of alarm reset: manual from keyboard, external, timed automatically
- Completely configurable alarm input for each 8 (16) video input
- VCR trigger management
- Alarm condition warning buzzer
- Relay can be activated by each alarm
- Video signal masking on fixed camera
- Supplied with: instructions manual, wide range power supply, 3 power cables, 2 RJ11 telephone cables, 2 jack shunt boxes RJ11, 1 DB25 connector

MECHANICAL:

- Box in iron
- Painted with epoxy powder RAL 7036
- Dimensions: Rack 19", 1U
- 1 connector 25-pole
- 4 connectors RJ11
- 1 connector RJ11
- Power supply jack connector
- Female connector DB9
- 4 BNC video outputs
- 8/16 BNC video inputs

ELECTRICAL/VIDEO:

- Power supply input: 100-240V 47/63Hz
- Power supply output: 12VDC 1A
- Power consumption: 15W
- Video: 8/16 inputs 750hm 1Vpp
4 outputs 75 Ohm 1 Vpp
- Band width: > 6MHz
- Lower cut off frequency: (-3dB): 9Hz
- Signal/noise ration : >48dB@5.5MHz
- Relay contact: 50 V~ 0,3 A

COMMUNICATIONS:

- Telemetry transmission on coax cable on the 8 (16) video inputs from a max distance of 350 m (1150ft)
- Telemetry transmission on serial output RS485 from a max distance of 1200 m (3900ft)
- Data transmission for control of mux on serial output RS485 from a max distance of 1200 m (3900ft)
- Four serial inputs RS485 for the reception of data from max 4 remote keyboards from a max distance of 1200 m (3900ft)
- Serial input RS232 for firmware update and PC control from a max distance of 15 m (49 ft)

RELATED PRODUCTS:

- DCBD, DCTEL, DCIR, DCK, DCJ keyboards
- Control on serial output RS485:
- Multiplexer: SP16C
- Telemetry receivers: DTRXDC, DTRX3, DTMRX, MICRODEC485
- Control on coax cable on 8 (16) video inputs of Videotec telemetry receiver DTRX3+DTCOAX
- Retrofit on discontinued products
(contact Videotec for further specifications)

INTERFACE WITH OTHER PRODUCTS:

- Direct control or through matrix series SM of multiplexer Javelin/Hitron colour or B/W
- Javelin and Hitron are registered trademarks.*
- Because SM84A – SM164A may be interfaced with equipment not manufactured by Videotec, it is possible that the interface protocols have changed or are in a different configuration from earlier tested units from us. Because Videotec recommends a bench test prior to installation, Videotec will not be liable for any installation costs or lost revenues in the event a compatibility problem will occur.*

ENVIRONMENTAL:

- Indoor
- Operating temperature 0°-45°C (32°-113°F)

STANDARD SPECIFICATIONS:

- CE in compliance with EN50081-1, EN50130-4, EN60065



Unit Weight:
SM164A: 2,6 kg (5.7lb)

Package Weight:
SM164A: 2,9 kg (6.4lb)

Package Dimensions:
SM164A: 6,5x21,5x52
(2.5"x 8.5"x20.5")