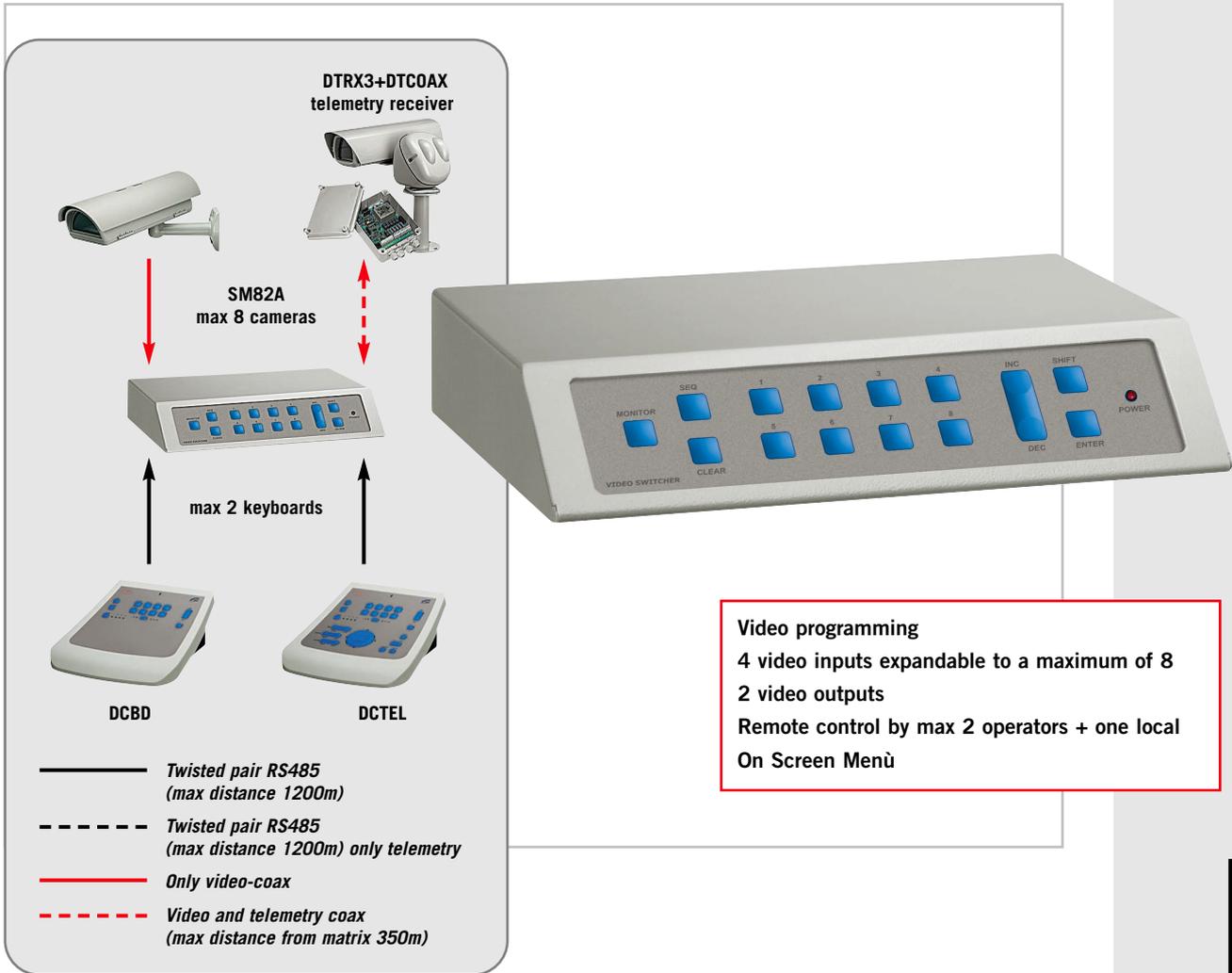


# SM42A-82A VIDEO MATRIX



**Video programming**  
 4 video inputs expandable to a maximum of 8  
 2 video outputs  
 Remote control by max 2 operators + one local  
 On Screen Menu



The SM42A / SM82A microprocessor-controlled matrix with remote or local control allows the switching of 4 (8) cameras on 2 video outputs.

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

The keyboards, located at a maximum of 1200m (3900ft) from the cycle switcher, allow the video switching and matrix set-up, in four languages, "On screen Menu" 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.

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

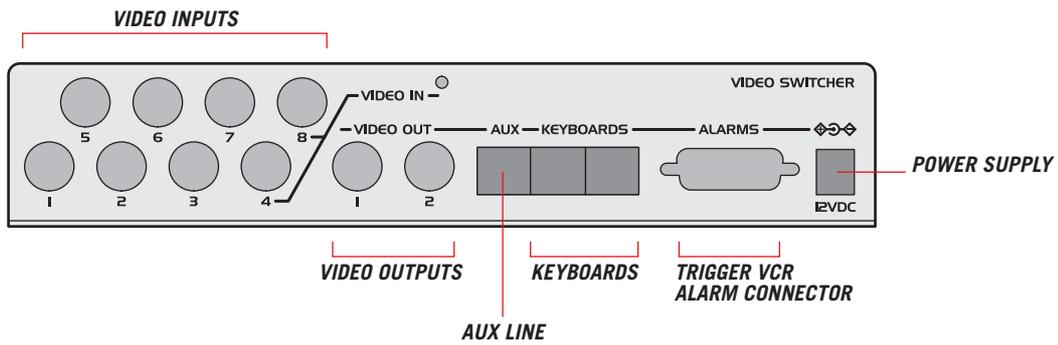
The telemetry control can be performed over the coax cable on the 4 (8) video inputs and on the RS485 serial output. The same RS485 output allows the control of the multiplexer SP16C.

MODELS	
<b>SM42A</b>	4-input and 2-output Video Matrix
<b>SMEX4</b>	4-input expansion board for SM42A
<b>SM82A</b>	8-input and 2-output Video-Matrix



# SM42A-82A

## VIDEO MATRIX



### TECHNICAL DATA

#### GENERAL:

- Max 4-8 cameras
- Max 2 remote keyboards+ local
- Video programming
- Menu in four languages (Italian, English, French and German)
- Different switching sequences for each output video
- Identification texts for each output
- Types of alarm reset: manual from keyboard, external, timed automatically
- Completely configurable alarm input for each 4 (8) video input
- VCR trigger management
- Alarm condition warning buzzer
- Relay can be activated by each alarm
- Video signal masking on fixed camera
- Telemetry control on RS485 auxiliary line and on coaxial cable
- Local keyboard with 15 keys for complete matrix control
- Supplied with: instructions manual, wide range power supply, 3 power cables, 2 RJ11 telephone cables, 2 jack shunt boxes RJ11, 1 DB15 connector

#### MECHANICAL:

- Box in iron
- Painted with epoxy powder RAL 7036
- Local keyboard in polycarbonate with 15 keys
- Dimensions: 167 x 230 x 47 mm ( 6.5"x 9"x 1.8")
- 1 connector 15 poles
- 2 connectors RJ11
- 1 connector RJ11
- Power supply jack connector
- Configuration Dip-Switch
- 2 BNC video outputs
- 4/8 BNC video inputs

#### ELECTRICAL/VIDEO:

- Power Supply input: 100-240V 47/63Hz
- Power supply output: 12VDC 1A
- Power consumption: 15W
- Video: 4/8 inputs 75Ohm 1Vpp  
2 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 4 (8) video inputs for a max distance of 350 m (1150ft)
- Telemetry transmission on serial output RS485 for a max distance of 1200 m (3900ft)
- Data transmission for control of mux on serial output RS485 for a max distance of 1200 m (3900ft)
- Two serial inputs RS485 for the reception of data from max 2 remote keyboards for a max distance of 1200 m (3900ft)

#### 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 4 (8) 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 SM42A -SM82A 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.*

#### ENVIRONMENT:

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

#### STANDARD SPECIFICATIONS:

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



**Unit Weight:**  
SM82A: 1,8 Kg (3.9lb)

**Package Weight:**  
SM82A: 2,35 Kg (5.1lb)

**Package Dimensions:**  
SM82A: 7x27,5x33 cm  
(2.7"x10.8"x13")