

SM82A

SMALL VIDEO MATRIX PAL/NTSC

MAIN FEATURES

8 inputs
 2 independent video outputs
 Telemetry over the coax on the 8 video inputs and on auxiliary serial output (RS485)
 8 alarm inputs, 1 output contact, VCR trigger and alarm reset
 15 keys local keypad
 2 RS485 serial inputs for max 2 remote keyboards
 Privacy video masking function
 Camera exclusion feature if the monitor is used in public places

DESCRIPTION

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

The matrix can be controlled by two remote keyboards or by the local keyboard. 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.

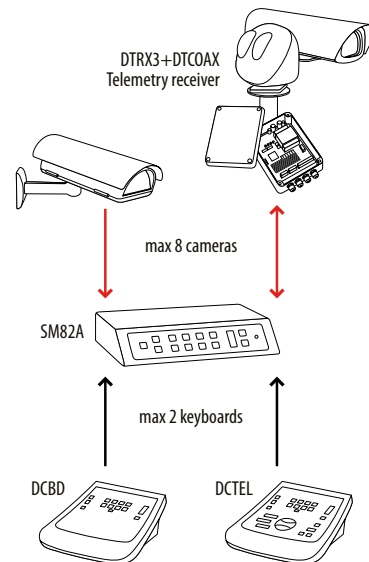
It is possible to control the video switching by a VCR trigger signal.



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—→ Twisted pair RS485 (max distance 1200m / 3937ft)

---→ Twisted pair RS485 (max distance 1200m / 3937ft) telemetry only

—→ Video-coax only (max distance 350m / 1148ft)

TECHNICAL DATA**GENERAL**

Max 8 cameras
 Max 2 monitors
 Max 2 remote keyboards and a local keyboard
 On screen display video programming
 Menu in 4 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 camera for privacy purposes
 Input 75 Ohm load disconnectable
 Equipped with wide range power supply, 3 power cables, 2 RJ11 telephone cables, 2 junction boxes RJ11 jack, 1 DB15 connector

MECHANICAL

Steel enclosure
 Epoxypolyester powder painting, RAL7036 colour
 Keyboard constructed from polycarbonate with 15 keys
 Dimensions: 167x230x47mm (7x9x2in)
 1 connector 15 poles
 3 connectors RJ11
 Power supply jack connector
 8 inputs BNC video
 2 BNC video outputs
 Unit weight: 1.8kg (4lb)

ELECTRICAL

Power supply: IN 100-240Vac - OUT 12Vdc, 47/63Hz, 1A
 Consumption: 15W max
 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)
 2 serial inputs RS485 for the reception of data from 2 remote keyboards for a max distance of 1200m (3937ft)

PROTOCOLS

Telemetry Line

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

PELCO is registered trademark.

The product may be interfaced with devices not manufactured by VIDEOTEC. It is possible that the interface protocols have changed or are in a different configuration from earlier tested units by VIDEOTEC. VIDEOTEC recommends a 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°C / +40°C (+32°F / +104°F)

CERTIFICATIONS

CE: EN61000-6-3, EN60950-1, EN55022 Class B, EN50130-4
 FCC Part 15, Class B

RELATED PRODUCTS

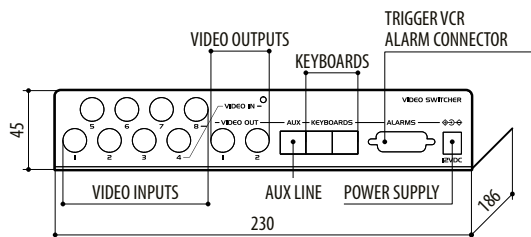
DCTEL	Matrix and telemetry control keyboard
DCJ	Keyboard for video and telemetry control
DTMRX224	DTMRX224 Telemetry receiver 12 functions, 24Vac
DTMRX2	DTMRX Telemetry receiver 12 functions, 230Vac
DTRX324	DTRX324 Telemetry receiver 17 functions for PTH311 + preset
DTRX3	DTRX3 Telemetry receiver 17 functions for series PTH300 + preset
DTRXDC	Telemetry data receiver, 13 functions
ULISSE	Integrated positioning unit

PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
SM82A	2.4kg (5.3lb)	26x19x16cm (10x8x6in)	10

TECHNICAL DRAWINGS

Sizes in millimeters.



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