

# DCTEL

## VIDEO AND TELEMETRY CONTROL KEYBOARD



### DESCRIPTION

The microprocessor controlled DCTEL keyboard allows you to interface and control the video switching of SM82A and SM164B.

The operator can manage the following control functions: video switching, sequences and alarm reset, to matrix set-up through On Screen Display. The DCTEL can control up to 16 digital telemetry receivers and the preset and scan functions with the DTRX3 receiver. Two serial RS485 communication lines: one for the video matrix, one for the management of the telemetry.

The telemetry control can also be performed indirectly through the matrix or over the matrix RS485 dedicated serial output: autopan, preset, scan, zoom, focus, iris and Aux.

The DCTEL can be fed by the supplied external power supply or directly by the matrix up to 700m (2297ft).

### MAIN FEATURES

Suitable for SM82A, SM164B matrix and telemetry receivers

Control of video switching, sequences and alarm reset

Telemetry control through matrix or directly by RS485 dedicated serial output

Normally fed by SM82A, SM164B matrix

2 outputs for RS-485 serial communication (1 for matrix control, 1 for telemetry independent control)

Both PELCO D and ENEO Protocols are supported

## TECHNICAL DATA

### GENERAL

Control of max 16 cameras and 16 telemetry receivers  
P&T control, autopan, preset, scan, zoom, focus, iris, Aux  
Max. 8 preset positions for each P&T  
Alarm reset  
Equipped with wide range power supply, 3 power cables, 4 RJ11 telephone cables, 4 RJ11 jack junction boxes

### MECHANICAL

Thermo-resistant and shock proof ABS material  
22 rubber keys  
Dimensions: 80x190x203mm (3x7.5x8in)  
2 connectors RJ11  
Power supply jack-connector  
Configuration dip-switch  
4 LEDs indicating the active monitor  
8 LEDs indicating the active camera  
2 LEDs indicating the active camera group (cameras 1 to 8 or cameras 9 to 16)  
Power supply LED  
Unit weight: 0.6kg (1.3lb)

### ELECTRICAL

Power supply:  
• IN from 100Vac up to 240Vac, 50/60Hz - OUT 12Vdc, 1.25A  
*Can be fed directly by SM82A and SM164B matrix to a max distance of 700m (2297ft)*

### SERIAL COMMUNICATIONS

2 RS485 lines for communication:  
• 1 line for communication with matrix to a maximum of 1200m (3937ft)  
• 1 line for telemetry control up to 16 receivers

Selectable communication speed

Protocols (Video Line):

- VIDEOTECH (1200, 9600, 19200, 38400 baud)
- VIDEOTECH MACRO (1200, 9600, 19200, 38400 baud)

Protocols (Telemetry Line):

- ENEO (1200, 9600, 19200, 38400 baud)
- PELCO D (2400 baud)
- VIDEOTECH (1200, 9600, 19200, 38400 baud)
- VIDEOTECH MACRO (1200, 9600, 19200, 38400 baud)

*PELCO, ENEO are registered trademarks.*

### ENVIRONMENT

For installation indoors  
Operating temperature: from 0°C (32°F) up to +40° (104°F)

### CERTIFICATIONS

Electrical safety (CE): EN60950-1  
Electromagnetic compatibility (CE): EN50130-4, EN55022 (Class B), EN61000-6-3, FCC Part 15 (Class B)  
EAC certification

### RELATED PRODUCTS

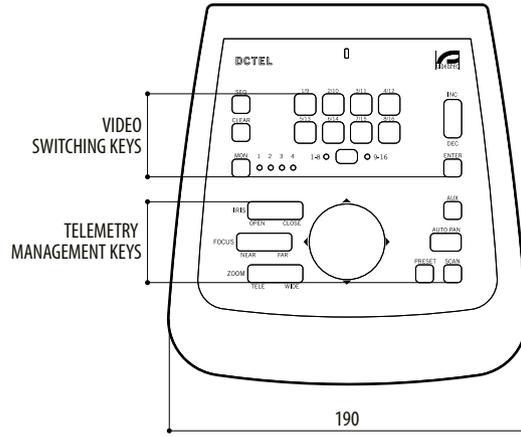
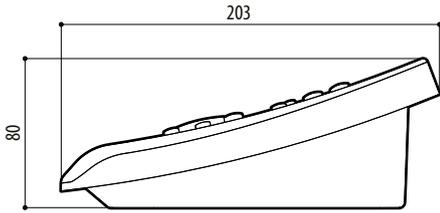
SM82A	Video matrix 8 inputs and 2 outputs
SM164B	Video matrix 16 inputs and 4 outputs
DTMRX224	Telemetry receiver 12 functions, 24Vac
DTMRX2	Telemetry receiver 12 functions, 230Vac
DTRX324	Telemetry receiver 17 functions, 24Vac
DTRX3	Telemetry receiver 17 functions, 230Vac
DTCOAX	Over the coax board (only thru SM series matrix)

### PACKAGE

Model Number	Weight	Dimensions (WxHxL)	Master carton
DCTEL	1.9kg (4.2lb)	31x17.5x26.5cm (12x7x10in)	5

# TECHNICAL DRAWINGS

The dimensions of the drawings are in millimetres.



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