

Code: OV-1D/SC

FIBER OPTIC VIDEO CONVERTER **OV-1D/SC** 1X VIDEO + RS-485 TXRX SET

The OV-1D/SC allows to transmit video channels and telemetry data channel RS-485 via one single mode fiber up to 20 km or one multi mode fiber up to 2 km. The transmitter and receiver are equipped with professional SC connectors, where threaded end of the connector ensures reliable connections despite multiple switching.

Is compatible with PAL systems and ensures high quality transmission of live video over distances up to 20 km, much longer than those offered by standard devices.

The transmitter and receiver set enables the highest image quality and possibility to transmit telemetry data channel RS-485 from receiver to transmitter allowing to Speed Dome cameras control.



Optical connector type:	SC
Number of fibers:	1 pcs
Recommended fiber:	Single-mode or multi-mode fiber
Transmission range:	20 km Single-mode fiber 2 km Multi-mode fiber
Number of video channels:	1 pcs PAL
Video connectors type:	BNC
Video resolution:	10 bit (manufacturer data) 8 bit (our tests result)
Video bandwidth:	0 MHz ... 7.5 MHz
Video input voltage / impedance:	1 Vpp / 75 Ω
Audio input:	—
RS-485 signal:	one-direction RS-485 Connectors 5 (-), 4 (+) - terminals
Optical wavelength:	1310 / 1550 nm
S/N ratio:	≥ 70 dB
Power supply:	5 V DC / 1 A (power adapter included)
Operation temp:	-40 °C ... 85 °C
LED diodes:	LEDs indicating device operation state
Permissible relative humidity:	0 % ... 95 % (non-condensing)
Weight:	0.270 kg
Dimensions:	128 x 117 x 28 mm



DATA SHEET

Guarantee:

2 years