

VTXD-040-SMM Fibre Optic Video Transmitter With 1 Bi-Directional Data channel

Product Features

- 8-Bit Uncompressed Digitally Encoded Video
- Single Video Channel and Bi-directional Data Channel over a Single Fibre
- Bi-directional RS-485 or RS-422 channel
- **Multimode** Fibre Distance up to 2.5km
- Adjustment-free installation and operation
- Compatible with NTSC, PAL and SECAM Video standards
- LED indicators for system monitoring
- Wavelength Division Multiplexing (WDM)
- 5 year warranty



Digital Fibre Optic Video Transmitter	VTXD-040-SMM
Product Description	Single channel 8-bit uncompressed digital video transmitter with data channel for Multimode applications
Technical Specifications:	
Video	
Video input:	1 Volt p-p, 75 Ohm
Bandwidth:	5Hz - 8MHz
Encoding:	8-bit digital, uncompressed
Differential gain:	< 2%
Differential phase:	< 0.6°
Tilt:	< 1%
Signal to noise ratio:	60 dB (Weighted)
Connector:	BNC
Data	
Channel:	RS-485 or RS-422 (Bi-directional)
Data rate:	300Kbps
Bit Error Rate:	10 ⁻⁹
Connector:	5-way removable screw terminal
Optical	
Optical emitter:	Laser
Optical output:	850/1310nm Multimode
Output power:	-6 dBm; 2.5km Multimode
Receiver sensitivity:	-22 dBm; 2.5km Multimode
Connector:	ST
Number of fibres:	1
General	
Power supply:	5Vdc 2A (external 220Vac PSU supplied)
Operating temperature:	-30°C to 65°C
Operating humidity:	0% to 95%; non-condensing
Dimensions (mm):	110 x 104 x 28

Fibre	Wavelength	Transmitter		Receiver		Optical Power Budget	Maximum Distance
		Model	Output Power	Model	Sensitivity		
Multimode	850 / 1310nm	VTXD-040-SMM	-6 dBm	VRXD-040-SMM	-22 dBm	16 dB	2.5km