



...communicating at the speed of light

FT-FOTR-1VDE-ST-S

Baseband Video Transmitter And Receiver With Reverse Data Transmission & Ethernet Transmission

Features:

- 8 Bit digital video transmission
- High speed synchronization with digital transmission technology
- Wide optic dynamic range, no adjustments required
- LCD Indicators for power, optic, video & data
- Immunity to electrical interference, ground loops & radio frequency interference
- Safe, clear transmission in bad electromagnetic environments
- Surface mount technology design
- Video DC restoration
- Supports RS485, RS422 or RS232



Description:

The FT-FOTR-1VDE-ST-S fiber optic transmitter/receiver supports the transmission of a single baseband video channel, a reverse data signal and ethernet over one strand of single-mode fiber optic cable. This product is compatible with all standard video pattern signals. Power, optical signal, video signal and data signal are easily inspected through LED indicators directly on the units. The transmitter and receiver combination supports transmission distances for optical loss budgets of less than 18 dB.

Specifications:

Optical

Optical Wavelength:	1310nm / 1550nm
Fiber Type:	Single-mode 9/125 μm
Max. Link Distance:	12.5 miles
Connector:	Simplex ST/PC
Acceptable loss budget:	18 dB

Video

Number of Inputs:	1
Video Connector:	BNC Female
Input Impedance, Transmitter:	75Ω (Unbalanced)
Output Impedance, Receiver:	75Ω (Unbalanced)
Video Bandwidth per Channel:	50Hz - 6.5MHz
Video SNR:	>60 dB
Differential Gain:	<1%
Differential Phase:	<1°
Tilt:	<1%

General

Power Supply:	5VDC
Power Consumption:	<5W
Operating Temperature:	14°F - 122°F
Storage Temperature:	-22°F - 158°F
Operating Humidity:	0-95% (Non-condensing)

Data

Data Rate:	0 - 115Kbps
Connector:	Terminal Block
Data Interface:	RS485, RS422 or RS232
Baud Rate Per Channel:	0 - 100Kbps
Bit Error Rate:	<10 ⁻⁹
Connector:	Terminal Block

Ethernet

Standard:	IEEE.802.3/802.3u, IEEE 802.1Q(VLAN)
Data Rate:	100M
Interface Speed:	10M/100M auto adjust, Duplex/Half Duplex

Contents Include:

- 1 Transmitter
- 1 Receiver
- 2 Power supplies
- 1 Instruction manual

Ordering Information:

FT-FOTR-1VDE-ST-S

Email: sales@fibertronixparts.com

Web: www.fibertronixparts.com