

Fiber Optic Video & Data Transmission Extender Set

Single channel Video and 1 Duplex Data RB-VIDEO-1D1-T/R



The RB-VIDEO-1D1 set is a one Channel Composite Video with one duplex data port that supports RS485, RS232 and RS422 protocols and extends video signal and data over one single strand of either multimode (62.5/125 or 50/125um) or singlemode fiber (9/125um).

Features

- Supports Point-to-Point connections
- Uncompressed Digital Composite Video over one fiber
- Data support RS485(2-wire or 4-wire), RS232, RS422, Contact Closure
- Compatible with all PAL, NTSC, SECAM Video Systems
- Multi-mode Fiber Support for Distances up to 1 Km and Single-Mode Fiber Support for Distances up to 20 Km
- Stand alone format with optional rack-mount solution.

Connection Diagram



Specifications

Video:

Number of Video Channels: 1 channel
Input/output impedance: BNC 75
Input/output Compatibility: PAL, NTSC, SECAM
Input/output voltage: 1.0 Volt p-p
Bandwidth: 6.5MHZ
Bit Resolution: 8-Bit Digital Transmission
Differential Gain: < 1.5%
Differential Phase: < 1.5
Tilt: < 5%
Signal-to-Noise Ratio(SNR): > 67 dB

Data:

Data Formats: RS485(2-wire or 4-wire), RS232/422, Contact Closure
Data Rate: DC to 115.2Kbps
Bit Error Rate: 10E-9

Connectors:

Video: 75 BNC (Gold Center Pin)
Data: Terminal Block
Optical: SC
Stand-Alone Power: DC5V

Electrical & Mechanical

Input Power Requirements: DC 5V@2A
Power Adapter: AC 100V~240V
Power Consumption: < 3W

Environment:

Operating Temperature: -45 C~+75 C
Storage Temperature: -45 C~+85 C
Relative Humidity: 0%~95% (non-condensing)
MTBF: >100,000 hours