

EIGHT CHANNEL DIGITAL VIDEO SYSTEM WITH TWO BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNELS

Features:

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, OLI, Data Activity
- ◆ Automatic Resettable Fuses on Power Lines
- ◆ Digital Video Transmission
- ◆ Multi-Protocol Data

Specifications:

Video:

I/O Level 1 Vp-p (±3 dB)
 I/O Impedance 75 Ohms
 Bandwidth 7 MHz
 Differential Gain <2 %
 Differential Phase <0.7 °
 SNR (Unified Weighted) >55 dB
 Connector BNC

Data:

Number of Channels 2 (Full Duplex)
 Interface Selectable Multi-protocol
 Choice of: RS485 (2 or 4 wire),
 RS422,
 RS232,
 Manchester
 Data Format Asynchronous, Serial
 Data Rate DC to 115 Kbs (NRZ)
 Connector 5 Pin Screw Terminal

Optical

Wavelength 1310/1550 nm
 Loss Budget (62/125µ) 12 dB
 Maximum Distance 1 Km
 (Limited by Fiber Dispersion)
 Connector ST

Environmental

Operating Temp. -40°C to +75°C
 Storage Temp. -40°C to +85°C
 Humidity 0% to 95% (non condensing)
 MTBF >100,000 hours

Power Supply:

Module : 12 VDC
 (AFI Part#: PS-12D)

Size:

Module- 8^{1/8}" x 4^{1/8}" x 1^{5/8}"

Ordering information:

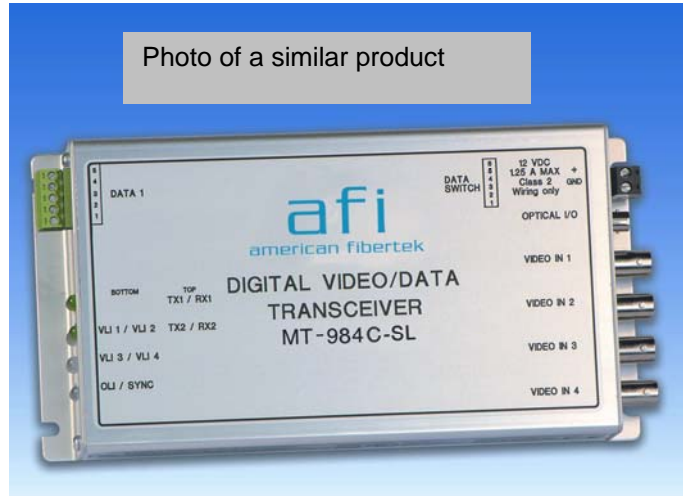
MT= Video/Data Transmitter /
 Data Receiver

MR= Video/Data Receiver /
 Data Transmitter

Example:

MT-985C to MR-985C

Photo of a similar product



The American Fibertek 985C Series transmits 8 channels of high-quality digitized video and two channels of user selectable multi-protocol data on one multimode optical fiber using WDM technology. The available data channels are RS485 (2 or 4 wire), RS422, RS232 and Manchester. Data rates up to 115 kbs are supported.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status.

