



**985
SERIES
MULTIMODE**

**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, Digital Frame Sync, OLI, Data Activity
- ◆ Available with Enhanced “Afinety” Intelligent Monitoring System
- ◆ 10 Bit Digital Video Transmission
- ◆ Serial Digital Transmission

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)..... >65 dB
 Connector BNC

Data:

Number of Channels.....2 (Full Duplex)
 Interface.....Selectable Multi-protocol
 Choice of: RS-485 (2 or 4 wire),
 RS-422,
 RS232,
 Manchester
 Data FormatAsynchronous, Serial
 Data Rate..... DC to 115 Kbs
 Connector5 Pin Screw Terminal

Optical

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

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Universal Power Input
 85 to 264 VAC, 47 to 63 Hz
 40 Watts Max.

Size:

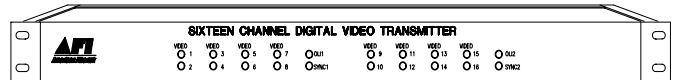
1RU High x 19” Wide x 12” Deep

Ordering information:

MTX= Video/Data Transmitter /
 Data Receiver
 MRX= Video/Data Receiver /
 Data Transmitter

Example: MTX-985 to MRX-985

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The American Fibertek 985 Series transmits 8 channels of high-quality 10 bit digitized video and two channels of multi-protocol data on one multimode optical fiber using WDM technology. 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. **The “Afinety” intelligent remote monitoring system is available on this product, please consult factory.**

Equipment consists of a 1 RU housing which contains the Video, Data and the WDM passive optics.

