



**985C
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, 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:

Universal Power Input
 100 to 240 VAC, 50 to 60 Hz, 55 W

Size:

1RU: 1.75" High x 19" Wide x 12" Deep

Ordering information:

MTX= Video/Data Transmitter /
 Data Receiver

MRX= Video/Data Receiver /
 Data Transmitter

Example:

MTX-985C to MRX-985C

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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.

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

