



**91685
SERIES
MULTIMODE**

16 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
- ◆ 10 Bit Digital Video Transmission
- ◆ Serial Digital Transmission

Specifications:

Video:

I/O Level 1 Vp-p (±3 dB)
 I/O Impedance 75 Ohms
 Bandwidth7 MHz
 Differential Gain2 %
 Differential Phase.....0.7 °
 SNR (Unified Weighted).....65 dB
 Connector BNC

Data (2 Channels):

Interface.....Selectable Multi-protocol
 Choice of: RS-485 (2 or 4 wire),
 RS-422,
 RS-232
 Manchester

Format..... Asynchronous
 RateDC to 115 Kbit/s
 Connector Terminal Block

Optical

Wavelengths 1310 nm
 1550 nm
 850 nm
 Maximum Distance1 Km
 (Limited by Fiber Dispersion)
 Loss Budget (62.5/125µ).....10 dB
 Connector ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

(1) 1RU 1.75" High x 19" Wide x 12" Deep

Ordering information:

MTX-91685 = Video Transmitter
 MRX-91685= Video Receiver

Example:

MTX-91685 to MRX-91685



The American Fibertek 91685 Series transmits 16 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.

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

