



**90885SL  
SERIES  
SINGLE MODE**

**EIGHT-CHANNEL VIDEO & TWO MULTI-PROTOCOL DATA  
RS485/RS422/RS232/MANCHESTER SYSTEM**

**Features:**

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, Data, OLI, DC Power, Digital Frame Sync
- ◆ Full Color Transmission
- ◆ RS485/422/232 Two Way Data
- ◆ Real Time Video Transmission
- ◆ Modules or Rack Cards
- ◆ 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 .....RS85(2 or 4 Wire)/422/232  
 Data Format .....Asynchronous, Serial  
 Data Rate ..... DC to 115 Kbs  
 Connector .....5 Pin Screw Terminal

**Optical**

Wavelength..... 1310/1550 nm  
 Loss Budget (9/125µ).....21 dB  
 Connector ..... FC/PC

**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-90885SL to MRX-90885SL**



The American Fibertek 90885SL Series transmits eight channels of high-quality 10 bit digitized video and two channels of full duplex RS232/422/485/Manchester data on one single mode optical fiber at 1310 and 1550nm.

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.

