



# 8610 SERIES MULTIMODE

## Single Fiber Six Channel FM Video with Bi-directional SensorNet



S-Net

### FEATURES:

- Compatible with NTSC; RS-170A & RRS-343A and PAL
- Diagnostics: Video, Data, Power and Optical Presence
- Full Color Transmission
- Real Time Video Transmission
- Compatible with 500 Series Audio/Data Modulators & Demodulators
- Switch Selectable Termination and Fail Safe Bias
- PFM Transmission
- Wall or Rack Mount

### SPECIFICATIONS:

#### Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	10 MHz
Differential Gain.....	5 %
Differential Phase.....	3 °
SNR.....	55 dB
Connector.....	BNC

#### Data:

Data Rate.....	230.4 Kbps
Data Connector.....	5 Pin Screw Terminal

#### Optical (Fiber 62.5/125µ):

Wavelength.....	850/1300/1550 nm
Loss Budget: Video/Data (1300/1550 nm).....	12 dB
Loss Budget: Return Data (850 nm).....	20 dB
Maximum Transmission Distance.....	5 km
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, 19" Wide, 12" Deep

### ORDERING INFORMATION:

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



The American Fibertek 8610 Series transmits six channels of high-quality video with bi-directional SensorNet data on one single multimode optical fiber. 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. In addition, two sub-carriers can be added to each video channel using the 500 Series modulators and demodulators. Equipment may be mounted as stand alone modules or rack units by the position of the mounting brackets.

