

# 10 SERIES MULTIMODE



## Single Channel Video Transmission System



### FEATURES:

- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- Full Color Transmission
- 850 nm Low Cost Optics
- AGC or Manual Gain Adjustment

### SPECIFICATIONS:

#### Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	10 MHz
Differential Gain.....	.2%
Differential Phase.....	.2°
SNR.....	60 dB
Connector.....	BNC

#### Optical:

Wavelength.....	850 nm
Loss Budget (62.5/125µ).....	17 dB
Connector.....	ST

#### Temperature (Operating):

-20°C to +70°C, non-condensing

#### Power Supply:

Module - 24 VAC (AFI Part #: PS-24)  
12 VDC available - consult factory  
Rack Card - (See AFI Part #: SR-20/1)

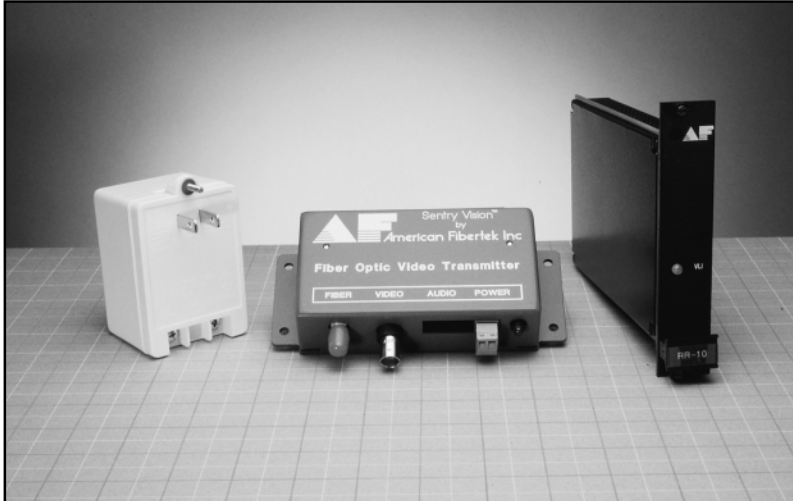
#### Size:

MT-10 & MR-10M - 2 $\frac{3}{8}$ " x 5 $\frac{1}{8}$ " x 1 $\frac{1}{16}$ "  
MR-10 - 3 $\frac{3}{4}$ " x 5 $\frac{1}{8}$ " x 1 $\frac{1}{16}$ "  
Rack Card requires one rack slot - 6 $\frac{1}{2}$ " x 1" x 5"

### ORDERING INFORMATION:

MT = Module Transmitter - Video Source  
MR = Module Receiver - Control Site  
RT = Rack Card Transmitter - Video Source  
RR = Rack Card Receiver - Control Site

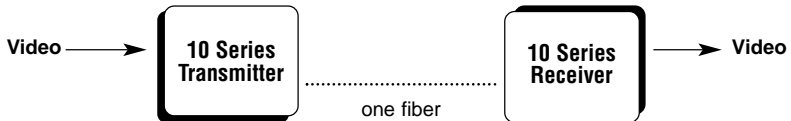
**Example: MT-10 to RR-10**



The American Fibertek 10 Series transmits one channel of high-quality video on one multimode optical fiber. This system is designed to be completely transparent to all camera and monitor manufacturers. Products ordered with automatic gain control require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. Equipment is also available with manual gain control option. Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/1 or SR-20R/1.

### PRODUCT INFORMATION:

- MT-10 - Module Video Transmitter
- RT-10 - Rack Card Video Transmitter
- MR-10M - Module Video Receiver with Manual Gain Control Option and 15 MHz Video Bandwidth
- MR-10 - Module Video Receiver with Automatic Gain Control Option
- RR-10M - Rack Card Video Receiver with Manual Gain Control Option and 15 MHz Video Bandwidth
- RR-10 - Rack Card Video Receiver with Automatic Gain Control Option



#### MT-10 and RT-10 Transmitters are also compatible with:

- RR-20M - Rack Card Dual Video Receiver with Manual Gain Control Option and 15 MHz Video Bandwidth
- RR-20 - Rack Card Dual Video Receiver with Automatic Gain Control Option

#### MR-10M, MR-10 and RR-10 Receivers are also compatible with:

- MT-1 - Mini Module Video Transmitter
- NT-1 - Mini Module Video Transmitter
- RT-20 - Rack Card Dual Video Transmitter