

# M100 SERIES MULTIMODE



## Single Channel FM Video Transmission System 850 nm Multimode – Low Profile



### FEATURES:

- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- Full Color Transmission
- Small Profile
- PFM Video Transmission
- Optical AGC

### SPECIFICATIONS:

#### Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	8 MHz
Differential Gain.....	.5%
Differential Phase.....	5°
SNR.....	60 dB
Connector.....	BNC

#### Optical:

Wavelength.....	850 nm
Loss Budget (62.5/125µ).....	10 dB
Maximum Transmission Distance.....	2.5 Km
Connector.....	ST

#### Temperature (Operating):

-20°C to +70°C, non-condensing

#### Power Supply:

Module - 12 VDC (AFI Part #: PS-12)  
Rack Card (See AFI Part #: SR-20/1)

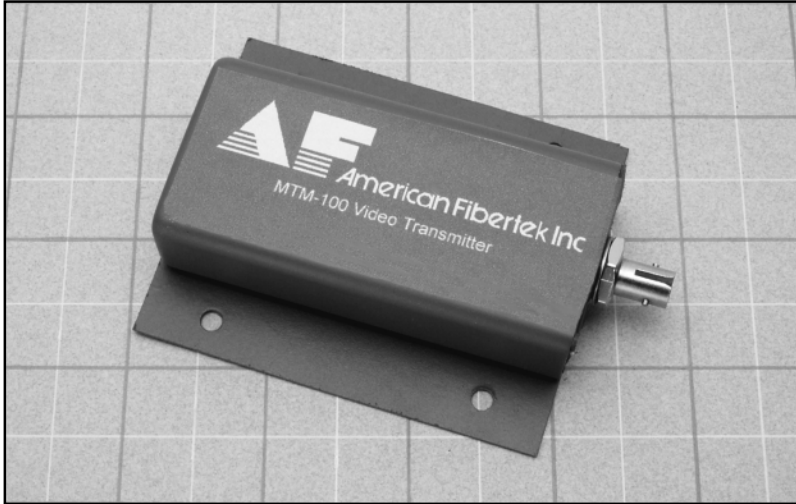
#### Size:

Module - 3" x 2" x 1 1/16"  
Rack Card Receiver - 6 1/2" x 1" x 5"

### ORDERING INFORMATION:

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

**Example: MTM-100 to MRM-100**



The American Fibertek M100 Series transmits one channel of high-quality, FM video on one multimode optical fiber at 850 nm. Designed to be completely transparent to all camera and monitor manufacturers, the system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status. 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:

- MTM - 100 - Mini Module Video Transmitter
- MRM - 100 - Mini Module FM Video Receiver
- RRM - 100 - Rack Card FM Video Receiver

