



# M300 SERIES MULTIMODE

## Single Channel FM Video Transmission System 1300 nm Multimode – Low Profile



### FEATURES:

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

### 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.....	1300 nm
Loss Budget (62.5/125µ).....	12 dB
Connector.....	ST

#### Temperature (Operating):

-40°C to +74°C, non-condensing

#### Power Supply:

Module - 12 VDC (AFI Part #: PS-12)  
Rack Card (See AFI Part #: SR-20/2)

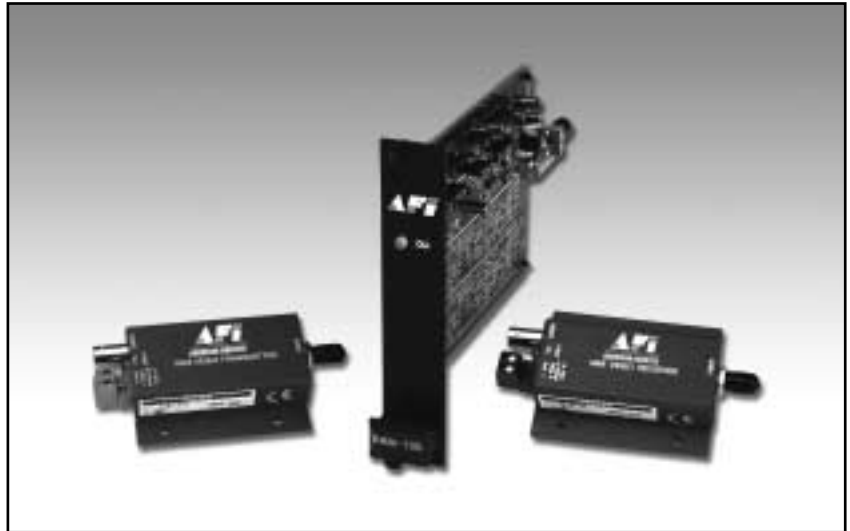
#### Size:

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

### ORDERING INFORMATION:

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

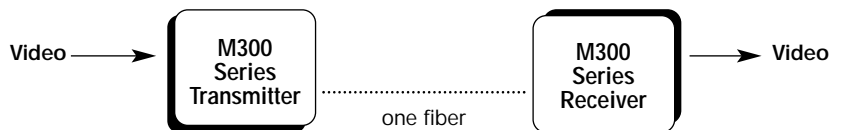
*Example: MTM-300 to MRM-300*



The American Fibertek M300 Series transmits one channel of high-quality, FM video on one multimode optical fiber at 1300 nm. This system is designed to be completely transparent to all camera and monitor manufacturers. These systems require 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-20/2 or SR-20R/1.

### PRODUCT INFORMATION:

- MTM - 300 - Mini Module Video Transmitter
- MRM - 300 - Mini Module FM Video Receiver
- RRM - 300 - Rack Card FM Video Receiver
- RTM - 300 - Rack Card FM Video Transmitter
- RTM - 33 - Rack Card 3-up Video Transmitter
- RRM - 33 - Rack Card 3-up Video Receiver



### MTM-300 and RTM-300 transmitters are compatible with:

- MRM-300 Mini Module Receiver
- RRM-300 Rack Card Receiver
- RRM-33 Rack Card 3-up Receiver

### MRM-300 and RRM-300 receivers are compatible with:

- MTM-300 Mini Module Transmitter
- RTM-300 Rack Card Transmitter
- RTM-33 Rack Card 3-up Transmitter