

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

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)	12 dB
Maximum Transmission Distance	2.5 Km
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)

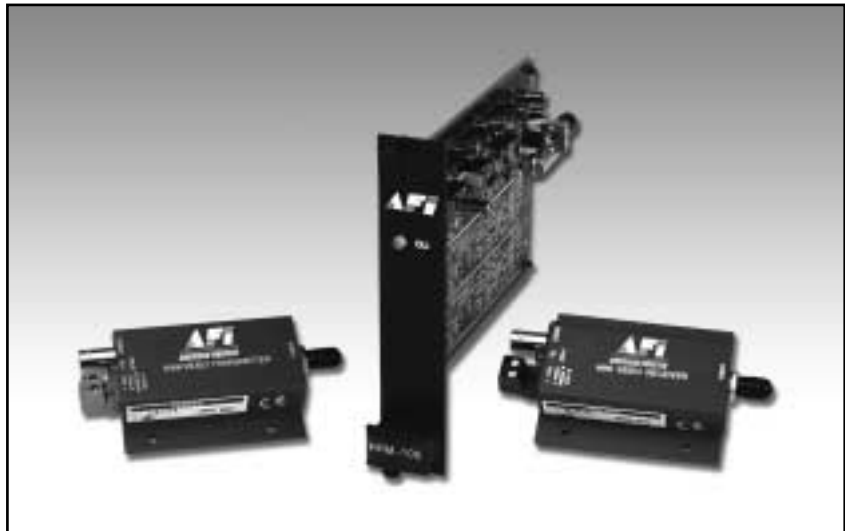
Size:

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

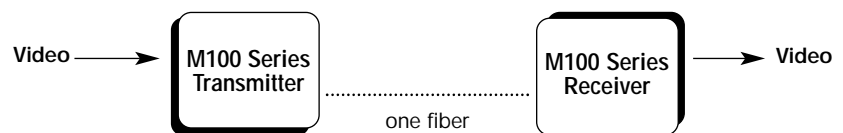
Example: MTM-100 to MRM-100



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-20/2 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
RTM - 100 - Rack Card FM Video Transmitter
RTM - 30 - Rack Card 3-up Video Transmitter
RRM - 30 - Rack Card 3-up Video Receiver



MTM-100 and RTM-100 transmitters are compatible with:

MRM-100 Mini Module Receiver
RRM-100 Rack Card Receiver
RRM-30 Rack Card 3-up Receiver

MRM-100 and RRM-100 receivers are compatible with:

MTM-100 Mini Module Transmitter
RTM-100 Rack Card Transmitter
RTM-30 Rack Card 3-up Transmitter