



**M301CE
M31C
SERIES
MULTIMODE**

Single Channel FM Video Transmission System Low Profile / High Density

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 1310 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)
 Power Consumption 2.5 Watts
 Rack Card (See AFI Part #: SR-20/2)
 Power Consumption (M-301C) 2.5 Watts
 Power Consumption (M-31C) 7 Watts

Size:

Low Profile Module - 3 1/8" x 3.5" x 1 1/8"
 Rack Card - 6 1/2" x 1" x 5"

ORDERING INFORMATION:

MTM-301CE Module Transmitter
 RTM-301C Rack Card Transmitter
 MRM-301CE Module Receiver
 RRM-301C Rack Card Receiver
 RRM-31C 3-up Rack Card Receiver

Example:

MTM-301CE to RRM-31C

Note: This is a High Density Fiber Solution that allows up to 42 videos to be received with one SR-20/2 subrack.



The American Fibertek M-301CE Series transmits one channel of high-quality, FM video on one multimode optical fiber. The American Fibertek M-31C Series is capable of receiving three channels of high-quality FM video on three multimode optical fibers. All units operate at 1310 nm for extended range applications and are compatible across the series. 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.

The M-301CE Series may be ordered as stand alone low profile modules or rack cards that are mounted in the SR-20/2 or SR-20H/2 American Fibertek Card Cages. The M-31C Series receivers are ordered as rack cards to be mounted in the SR-20/2 or SR-20H/2.

