

**404C  
440C  
SERIES  
MULTIMODE**

# Single Fiber Four Channel FM Video System



**FEATURES:**

- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- Full Color Transmission
- Real Time Video Transmission
- Modules or Rack Cards
- PFM Video Transmission

**SPECIFICATIONS:**

**Video:**

1/0 Level .....	1 Vp-p
I/O Impedance .....	75 Ohms
Bandwidth .....	10 MHz
Differential Gain .....	5%
Differential Phase .....	3°
SNR .....	55 dB
Connector .....	BNC

**Optical:**

Wavelength .....	1300 nm
Maximum Transmission Distance:	
404C Series .....	2.5 Km
440C Series .....	5 Km
<i>Consult factory for extended distance version.</i>	
Loss Budget (62.5/125µ):	
404C Series .....	.6 dB
440C Series .....	.12 dB
<i>Consult factory for extended loss budget version.</i>	
Connector .....	ST

**Temperature (Operating)**

-40°C to +74°C, non-condensing

**Power Supply:**

Module - 24 VAC Center Tap (AFI Part#: PS-24-CT-T)	
Power Consumption .....	5 Watts
Rack Card - (See AFI Part #: SR-20D/2)	
Power Consumption .....	5 Watts

**Size:**

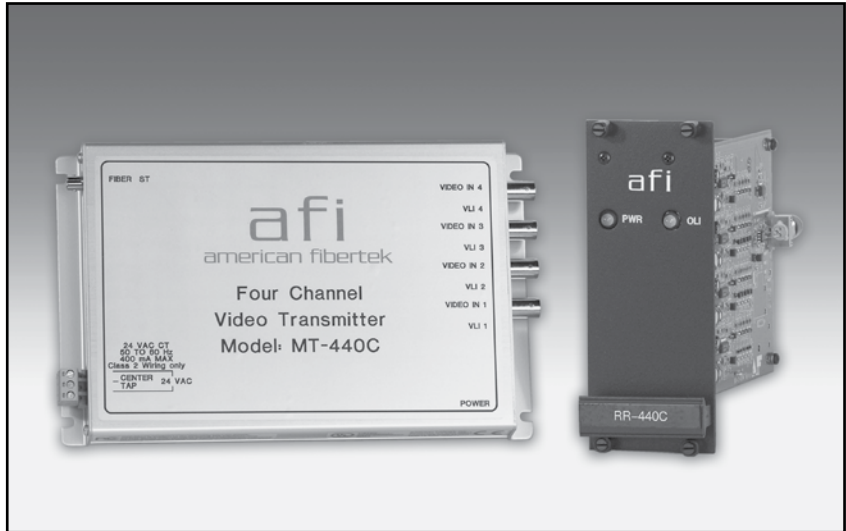
Module - 8<sup>7</sup>/<sub>8</sub>" x 5<sup>1</sup>/<sub>2</sub>" x 1<sup>7</sup>/<sub>8</sub>"  
 Rack Card - 8" x 2" x 5" (requires 2 rack slots)

**ORDERING INFORMATION:**

- MT-404C = Module Transmitter
- RT-404C = Rack Card Transmitter
- MR-404C = Module Receiver
- RR-404C = Rack Card Receiver
- MT-440C = Module Transmitter
- RT-440C = Rack Card Transmitter
- MR-440C = Module Receiver
- RR-440C = Rack Card Receiver

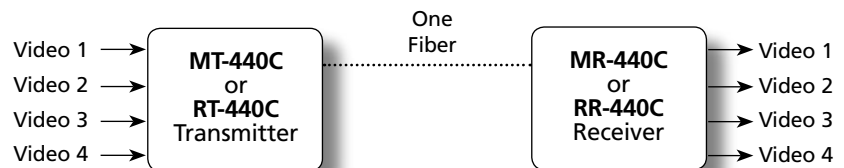
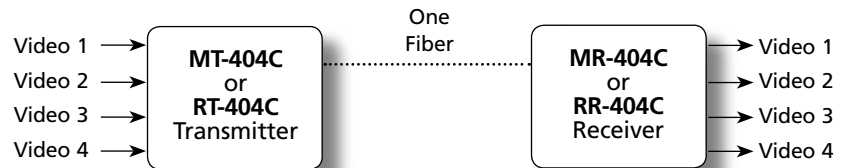
**Example:**

MT-404C to RR-404C



The American Fibertek 404C and 440C Series transmit four channels of high-quality, FM video on one multimode optical fiber at 1300 nm. The 404C Series can be used in applications up to 2.5 Km (1.5 miles). The 440C Series units can be used in applications up to 5 Km (3 miles). For longer distances, consult factory for an extended range 440C-E version. 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 404C and 440C Series may be ordered as stand alone modules or rack cards that are mounted in the SR-20D/2 or SR-20R/1 American Fibertek Card Cages.



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