

## SINGLE MULTIMODE FIBER – FOUR-CHANNEL FM VIDEO SYSTEM

(Rackcard Installable into the IFS R3 Subrack)

### Features:

- ◆ Compatible with NTSC; RS – 170A & RS –343A and PAL
- ◆ Diagnostics: Video, Power and Optical Presence
- ◆ Real Time Video Transmission
- ◆ Modules or Rack Cards
- ◆ PFM Transmission
- ◆ Singlemode Version Available

### SPECIFICATIONS:

#### Video:

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

#### Optical

Wavelength.....	1300nm
Distance (62.5/125μ).....	5 Km
Loss Budget.....	12 dB
Dynamic Range.....	12 dB
Connector.....	ST

#### Temperature (Operating)

-40°C to +75°C, non-condensing

#### Power Supply:

Module Transmitter – 12VDC  
(AFI Part#: PS-12D)  
Module Receiver - 12VDC  
(AFI Part#: PS-12D)  
Rackcard Transmitter- SR20/2 Subrack  
Rackcard Receiver - SR20/2 Subrack

#### SIZE:

Module Transmitter:..... 8 $\frac{7}{8}$  x 5 $\frac{1}{2}$  x 1 $\frac{1}{8}$ "  
Module Receiver:.....8 $\frac{7}{8}$  x 5 $\frac{1}{2}$  x 1 $\frac{1}{8}$ "  
Rack Card Transmitter, Receiver  
- requires 2 rack slots:.....8 x 5 x 2"

#### Ordering information:

MT-440C-12VDC    Module Transmitter  
RT-440C-         Rack Card Transmitter  
RR-440C-R3       Rack Card Receiver

#### Example:

**MT-440C-12VDC to RR-440C-R3**



The American Fibertek 440C(-R3) Series transmits four channels of high-quality video on one multimode optical fiber at 1300nm. The 440C Series units are used in applications up to 5 km (3 miles) on 62um multi-mode fiber. A 440C-E (extended length) model is also available to handle distance requirements up to 10 km (6 miles).

The rackcard receiver is mechanically and power supply compatible with the IFS R3 subrack and power supply. This provides one an option to add an AFI product to an existing IFS-R3 subrack. However, an AFI module transmitter must be used with the AFI RR-440C-R3 receiver.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of system status.

