

## Single Fiber Bi-directional Transceivers One-Way Video with Two-Way RS485



### FEATURES:

- Video with Two-Way RS485 Utilizing One Singlemode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- PFM Video Transmission
- Two Wire or Four Wire Interface - Factory Set
- 12 VAC Standard
- Full Color Transmission

### SPECIFICATIONS:

#### Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	.8 MHz
Differential Gain.....	.3%
Differential Phase.....	.2°
SNR.....	63 dB
Connector.....	BNC

#### Data:

Data Rate.....	Up to 19.2 Kbps
Data Connector.....	5 pin screw terminal

#### Optical:

Wavelength.....	1300/1550 nm
Loss Budget (9/125µ).....	.21 dB
Dynamic Range.....	.21 dB
Connector.....	FC/PC

#### Temperature (Operating):

-40°C to +75°C, non-condensing

#### Power Supply:

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

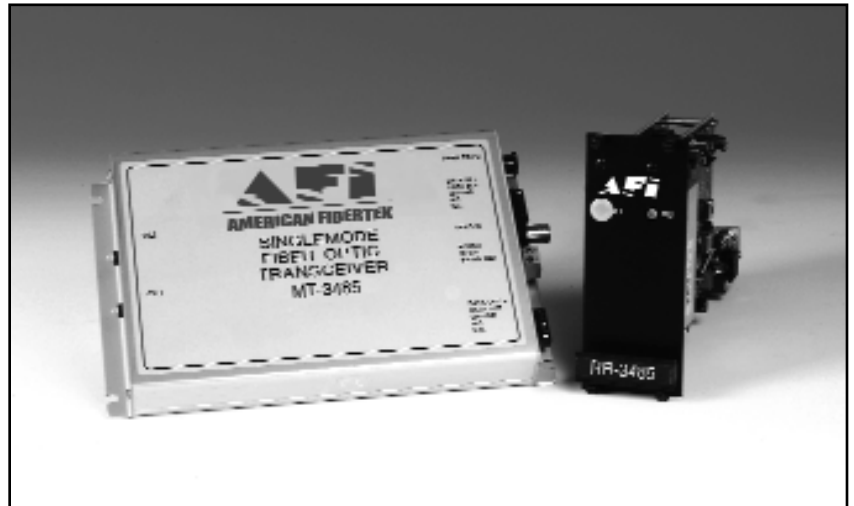
#### Size:

Module - 8" x 6½" x 1½"  
Rack Card requires two rack slots - 6½" x 2" x 5"

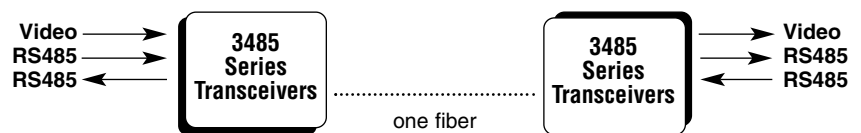
### ORDERING INFORMATION:

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

**Example: MT-3485-4 to RR-3485-4**



The American Fibertek 3485 Series transmits high-quality, simultaneous video with bi-directional RS485 on one singlemode optical fiber. RS485 can be Two-Wire or Four-Wire and is factory set. These systems require no field adjustments at installation or additional maintenance thereafter. Diagnostic indicators provide a quick visual indication of systems 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.



### Model Numbers:

<b>MT-3485-2</b>	Module Video Transmitter with 2 Wire RS485
<b>MR-3485-2</b>	Module Video Receiver with 2 Wire RS485
<b>RT-3485-2</b>	Rack Card Video Transmitter with 2 Wire RS485
<b>RR-3485-2</b>	Rack Card Video Receiver with 2 Wire RS485
<b>MT-3485-4</b>	Module Video Transmitter with 4 Wire RS485
<b>MR-3485-4</b>	Module Video Receiver with 4 Wire RS485
<b>RT-3485-4</b>	Rack Card Video Transmitter with 4 Wire RS485
<b>RR-3485-4</b>	Rack Card Video Receiver with 4 Wire RS485