

# 3300 SERIES SINGLEMODE



## Single Fiber Bi-directional Transceivers One-Way Video & Two-Way RS232



### FEATURES:

- Video and Two-Way RS232 Utilizing One Singlemode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- PFM Video Transmission
- 12 VAC Standard
- Full Color Transmission

### PRODUCT ENHANCEMENTS:

- Additional bi-directional features available for audio, data or contact closure - choice of one.

### 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:

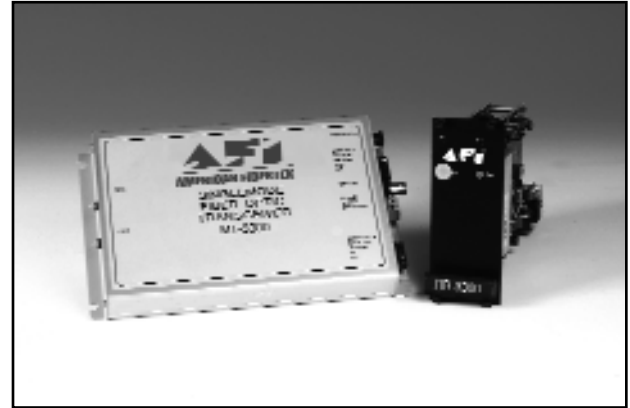
Module - 8" x 6½" x 1½"  
Rack Card requires two rack slots - 6½" x 2" x 5"

### ORDERING INFORMATION:

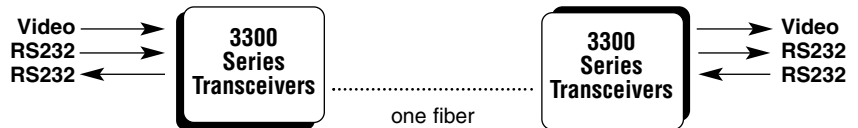
MT = Module Transmitter - Video Source  
MR = Module Receiver - Control Site  
RT = Rack Card Transmitter - Video Source  
RR = Rack Card Receiver - Control Site

**Example: MT-3300 to RR-3300**

The American Fibertek 3300 Series transmits high-quality, simultaneous video and bi-directional RS232 on one singlemode optical fiber. An additional bi-directional audio, data, or contact closure option may be added for enhanced



applications. These systems require 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 ENHANCEMENTS:

- 3301 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - Designed for 0 dB to 15dB Optical Loss Budget
- 3320 Series** - Video One-Way
  - 1 - channel return AD or Bosch Code
  - 1 - channel of bi-directional RS232
  - see product series 3230B
- 3330 Series** - Video One-Way
  - 2 - channels of bi-direction RS232
- 3340 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - 1 - channel of bi-directional RS422 up to 19.2 Kbps
- 3350 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - 1 - channel of bi-directional 20mA current loop up to 19.2 Kbps
- 3370 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - 1 - channel of bi-directional TTL up to 19.2 Kbps
- 3380 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - 1 - channel of bi-directional audio
  - Bandwidth of 20 Hz to 10 KHz and THD @ 1 KHz of 1%.
  - SNR 55dB, I/O Impedance 600 Ohms balanced.
- 3390 Series** - Video One-Way
  - 1 - channel of bi-directional RS232
  - 1 - channel of bi-directional contact closure rated at 100V Max (DC or peak AC) @ 0.5A with a response time of 2 ms

• For multimode product equivalent to the 3300 series please see the 1300 series product.