

Single Fiber Bi-directional Transceivers One-Way Video & Two-Way RS422



FEATURES:

- Video and Two-Way RS422 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:

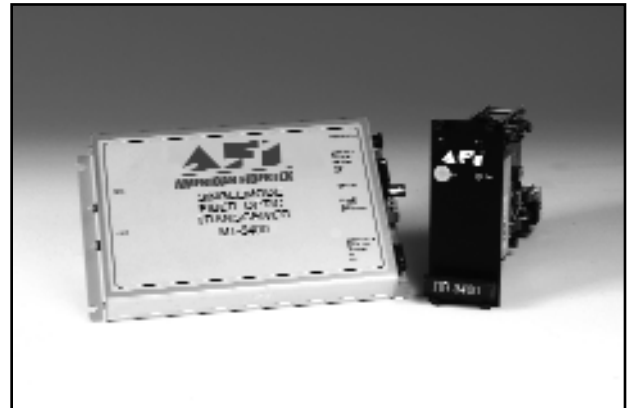
Module - 8" x 6½" x 1½"
Rack Card requires two rack slots - 6½" x 2" x 5"

ORDERING INFORMATION:

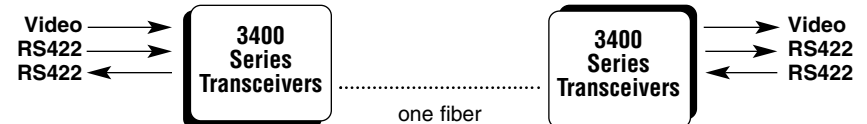
MT = Module Transmitter - Video Source
MR = Module Receiver - Control Site
RT = Rack Card Transmitter - Video Source
RR = Rack Card Receiver - Control Site

Example: MT-3400 to RR-3400

The American Fibertek 3400 Series transmits high-quality, simultaneous video and bi-directional RS422 on one single-mode 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:

- 3401 Series** - Video One-Way
1 - channel of bi-directional RS422
Designed for 0 dB to 15 dB Optical Loss Budget
- 3420 Series** - Video One-Way
1 - channel of bi-directional RS422
1 - channel of return AD or Bosch Code
- 3430 Series** - Video One-Way
1 - channel of bi-directional RS422
1 - channel of bi-directional RS232
see product series 3240B
- 3440 Series** - Video One-Way
2 - channels of bi-direction RS422
- 3470 Series** - Video One-Way
1 - channel of bi-directional RS422
- 3480 Series** - Video One-Way
1 - channel of bi-directional TTL up to 19.2 Kbps
1 - channel of bi-directional RS422
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.
- 3490 Series** - Video One-Way
1 - channel of bi-directional RS422
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 3400 series please see the 1400 series product.