

Single Fiber Bi-directional Transceivers

Two-Way Video, Two-Way Audio & Two-Way RS232



FEATURES:

- Two-Way Video, Two-Way RS232, and Two-Way Audio Utilizing One Multimode Optical Fiber
- Compatible with NTSC; RS-170A & RS-343A and PAL
- Diagnostics: Video, Power and Optical Presence
- 24 VAC Standard or 12 VDC Option
- Designed for Teleconference Applications
- Full Color Transmission

SPECIFICATIONS:

Video:

I/O Level.....	1 Vpp
I/O Impedance.....	75 Ohms
Bandwidth.....	8 MHz
Differential Gain.....	4%
Differential Phase.....	4°
SNR.....	60 dB
Connector.....	BNC

Audio:

I/O Level.....	0 dBm
I/O Impedance.....	600 Ohms
Bandwidth.....	20 Hz to 10 KHz
THD @ 1 KHz.....	1%
SNR.....	55 dB
Connector.....	5 pin screw terminal

Data:

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

Optical:

Wavelength.....	850/1300 nm
Loss Budget (62.5/125µ).....	12 dB
Connector.....	ST

Temperature (Operating):

-20°C to +70°C, non-condensing

Power Supply:

Module - 24 VAC (AFI Part #: PS-24)
12 VDC available upon request, consult factory
Rack Card - (See AFI Part #: SR-20/2)

Size:

Module - 6¾" x 5¾" x 1¾"
Rack Card requires one rack slot - 6½" x 1" x 5"

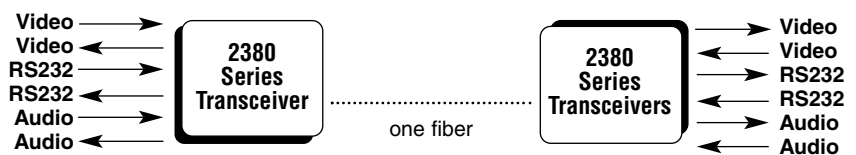
ORDERING INFORMATION:

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

Example: MT-2380 to RR-2380



The American Fibertek 2380 Series transmits high-quality, simultaneous bi-directional video, audio, and RS232 on one multimode optical fiber. Designed to meet the unique applications of teleconferencing, 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.



- *For singlemode product equivalent to the 2380 series please see the 4380 series product.*