

1600 SERIES MULTIMODE



Single Fiber Bi-directional Transceivers One-Way Video with Reverse "Up the Coax" Camera and PTZ Control



FEATURES:

- Video with Reverse "Up the Coax" Camera and PTZ Control 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
- 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.....	4%
Differential Phase.....	4°
SNR.....	63 dB
Connector.....	BNC

Control Systems Compatibility:

- Vicon Vicoax
- Burle
- Pelco Coaxitron 15, 16 and 32 bit
- Videolarm
- All Other VIS (Vertical Interval Signal) product.

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 - 6 3/4" x 5 3/4" x 1 3/8"
- Rack Card requires one rack slot - 6 1/2" x 1" x 5"

ORDERING INFORMATION:

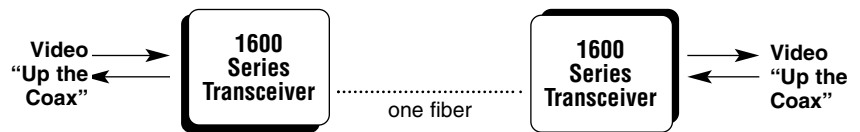
- MT = Module Transmitter - Video Source
- MR = Module Receiver - Control Site
- RT = Rack Card Transmitter - Video Source
- RR = Rack Card Receiver - Control Site

Example: MT-1600 to RR-1600

The American Fibertek 1600 Series transmits high-quality, simultaneous video with reverse vertical interval signal on one multimode optical fiber. Designed to be used with "Up the Coax" products, 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:

- 1600-EL Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - Systems capable of 19 dB optical loss budget
- 1630 Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - 1 - channel of bi-directional RS232 up to 19.2 Kbps
- 1640 Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - 1 - channel of bi-directional RS422 up to 19.2 Kbps
- 1670 Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - 1 - channel of bi-directional TTL up to 19.2 Kbps
- 1680 Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - 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.
- 1690 Series** - Video One-Way _____
 - 1 - channel of return VIS Control
 - 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 singlemode product equivalent to the 1600 series please see the 3600 series product.