



One Way Video With Bi-directional Audio Transceiver
“Extended Length: 10km”

Features:

- ◆ Compatible with NTSC; RS – 170A
RS –343A and PAL
- ◆ Diagnostics: Video, Power and
Optical Presence
- ◆ Full Color Transmission
- ◆ Real Time Video Transmission
- ◆ Modules or Rack Cards
- ◆ PFM Transmission
- ◆ Full Dynamic Range, No Dead Zone
- ◆ Available in singlemode

SPECIFICATIONS:

Video:

I/O Level 1 Vp-p
 I/O Impedance 75 Ω
 Bandwidth 7 MHz
 Differential Gain 3%
 Differential Phase 2°
 SNR 55 dB
 Connector BNC

Audio:

I/O Level @ 600 Ohms 0 dBm
 Bandwidth 20 Hz to 10 KHz
 THD @ 1 KHz 1%
 SNR 55 dB
 Connector 5 Pin Terminal Block

Optical:

Wavelength 1300/1550 nm
 Loss Budget (62.5/125µm fiber) 20 dB
 Max Distance 10 km
 Connector ST

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

Module – 12Vdc
 Rack Card – AFI SR 20/2

Size:

Module 81/8" x 41/8 x 11/8"
 Rack Card requires 1 rack slot.. 6½"x5"x1"

Product Ordering Information:

4 wire audio model numbers:

MT-1800E Module Transmitter
 MR-1800E Module Receiver
 RT-1800E Rack Card Transmitter
 RR-1800E Rack Card Receiver

2 wire audio model numbers:

MT-1800E-2W Module Transmitter
 MR-1800E-2W Module Receiver
 RT-1800E-2W Rack Card Transmitter
 RR-1800E-2W Rack Card Receiver



The American Fibertek 1800E Series transmits high- quality one way video and simultaneously bi-directional 2 wire or 4 wire audio on one multimode optical fiber up to a distance of 10 km.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires 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 SR20H/2 (redundant power supply version).

