



**2800E-2W  
SERIES  
MULTIMODE**

**Two 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

**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) ..... 21 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:**

MT-2800E-2W	Module Transmitter
MR-2800E-2W	Module Receiver
RT-2800E-2W	Rack Card Transmitter
RR-2800E-2W	Rack Card Receiver



The American Fibertek 2800E-2W Series transmits high- quality two way video and simultaneously bi-directional 2 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 Cage: SR-20/2 or SR-20R/1.

