



**440CE-12VDC SERIES MULTIMODE**

**SINGLE MULTIMODE FIBER – EXTENDED DISTANCE FOUR-CHANNEL FM VIDEO SYSTEM**

**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
- ◆ 2 Channel Units are Available

**SPECIFICATIONS:**

**Video:**

I/O Level ..... 1Vp-p  
 I/O Impedance ..... 75Ω  
 Bandwidth ..... 10 MHz  
 Differential Gain ..... 5%  
 Differential Phase ..... 3°  
 SNR ..... 55 dB  
 Connector ..... BNC

**Optical**

Wavelength ..... 1300nm  
 Distance ..... .8 km  
 Loss Budget (62.5/125μ) ..... 17dB  
 Dynamic Range ..... 12dB  
 Dead Zone (overload range) ..... 0 to 5dB  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**Power Supply:**

Module Transmitter – 12VDC  
 (AFI Part#: PS-12D)  
 Module Receiver - 12VDC  
 (AFI Part#: PS-12D)  
 Rackcard Transmitter- SR20/2 Subrack  
 Rackcard Receiver - SR20/2 Subrack

**SIZE:**

Module Transmitter ..... 8 7/8" x 5 1/2" x 1 1/8"  
 Module Receiver ..... 8 7/8" x 5 1/2" x 1 1/8"  
 Rack Card Transmitter / Receiver  
 -requires 2 rack slots ..... 8" x 5" x 2"  
 Maximum: ..... 7 Cards per SR-20/2

**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-440CE-12VDC to MR-440CE-12VDC**

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The American Fibertek 440CE-12VDC Series transmits four channels of high-quality video on one multimode optical fiber at 1300nm over distances up to 8 km and over optical loss budgets between 5 dB to 17 dB. The 440C-E requires a minimum optical loss of 5 dB. Diagnostic indicators provide a quick visual indication of system status.

Designed to be completely transparent to all camera and monitor manufacturers, this system requires no field adjustments at installation or additional maintenance thereafter.

Equipment may be ordered as stand alone modules or rack cards that are mounted in the American Fibertek Card Cages: SR-20/2, SR-20H/2 (redundant power supplies).

