

**FOUR CHANNEL DIGITAL VIDEO SYSTEM WITH TWO  
BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNELS**

**Features:**

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, Digital Frame Sync, OLI, Data Activity
- ◆ Available with Enhanced "Afinety" Intelligent Monitoring System
- ◆ Digital Video Transmission
- ◆ Serial Digital Transmission

**Specifications:**

**Video:**

I/O Level ..... 1 Vp-p (±3 dB)  
 I/O Impedance ..... 75 Ohms  
 Bandwidth ..... 7 MHz  
 Differential Gain ..... 2 %  
 Differential Phase ..... 0.7 °  
 SNR (Unified Weighted) ..... 55 dB  
 Connector ..... BNC

**Data:**

Number of Channels ..... 2 (Full Duplex)  
 Interface ..... 485(2 or 4 Wire)/RS422/RS232  
 Data Format ..... Asynchronous, Serial  
 Data Rate ..... DC to 115 Kbs  
 Connector ..... 5 Pin Screw Terminals

**Optical**

Wavelength ..... 1310/1550 nm  
 Loss Budget (62.5/125µ) ..... 8 dB  
 Distance ..... 2 km  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**Power Supply:**

Rack Card – AFI SR-20/2  
 Module – 12 VDC @ 800 mA  
 (module power supply included)

**Size:**

Module-..... 81/8" x 41/8" x 11/8 "  
 Rack Card :  
 2 rack slots ..... 6½" x 5" x 2"

**Ordering information:**

MT-745C      Module Transmitter  
 RT-745C      Rack Card Transmitter  
 MR-745C      Module Receiver  
 RR-745C      Rack Card Receiver

**Example: RT-745C to RR-745C  
 MT-745C to RR-745C**



The American Fibertek 745C Series transmits four channels of high-quality digitized video and two channels of multi-protocol data on one multimode optical fiber using WDM technology. 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. **The "Afinety" intelligent remote monitoring system is available on this product, please consult factory.**

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

