

**SINGLE CHANNEL DIGITAL VIDEO SYSTEM WITH THREE 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 (3 Channels):**

Number of Channels ..... 3 (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.....1310/1550nm  
 Loss Budget (62.5/125µ).....8 dB  
 Transmission Distance..... 4 km  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**Power Supply:**

Module – 12 VDC (AFI Part # PS-12D)  
 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-713C Module Transmitter  
 MR-713C Module Receiver  
 RT-713C Rack Card Transmitter  
 RR-713C Rack Card Receiver



The American Fibertek 713C Series transmits one channel of high-quality digitized video and three 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 that may be mounted in the American Fibertek Card Cages: SR-20/2 or SR-20R/1.

