



**SINGLE CHANNEL DIGITAL VIDEO SYSTEM WITH ONE BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNEL AND A BI-DIRECTIONAL CONTACT CLOSURE**

**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:**

Data Protocol Interface  
 -485(2 or 4 Wire)  
 -RS422  
 -RS232  
 -Manchester  
 Data Format ..... Asynchronous, Serial  
 Data Rate ..... DC to 115 Kbs  
 Connector ..... 5 Pin Screw Terminals

**Contact Closure:**

Input ..... Switch Closure to Ground  
 Output ..... Dry Contact  
 Response Time ..... 2 mS  
 Max Voltage ..... 100 VDC or Peak AC  
 Max Current ..... 0.5 A  
 Connector ..... Terminal Block

**Optical:**

Wavelength ..... 1310/1550nm  
 Loss Budget (62/125µ) ..... 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 ..... 8 1/8" x 4 1/8" x 1 1/8 "  
 Rack Card requires 1 rack slot – 6 1/2" x 5" x 1"

**Product Ordering Information:**

- MT-715C Module Transmitter
- MR-715C Module Receiver
- RT-715C Rack Card Transmitter
- RR-715C Rack Card Receiver

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The American Fibertek 715C Series transmits one channel of high-quality digitized video plus one channel of multi-protocol data and a contact closure 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 are mounted in the American Fibertek Card Cages: SR-20/2 or SR-20H/2(redundant).

