



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).

