



## 915 SERIES MULTIMODE

### 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
- ◆ 10 Bit Digital Video Transmission
- ◆ Serial Digital Transmission

#### Specifications:

##### Video:

I/O Level .....1 Vp-p ( $\pm 3$  dB)  
I/O Impedance ..... 75 Ohms  
Bandwidth .....7 MHz  
Differential Gain .....2 %  
Differential Phase.....0.7 °  
SNR (Unified Weighted).....65 dB  
Connector ..... BNC

##### Data:

Interface.....Selectable Multi-protocol  
Choice of: RS-485 (2 or 4 wire),  
RS-422,  
RS-232  
Manchester

Format.....Asynchronous  
Rate .....DC to 115 Kbit/s  
Connector ..... Terminal Block

##### 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 (62/125 $\mu$ ).....12 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"

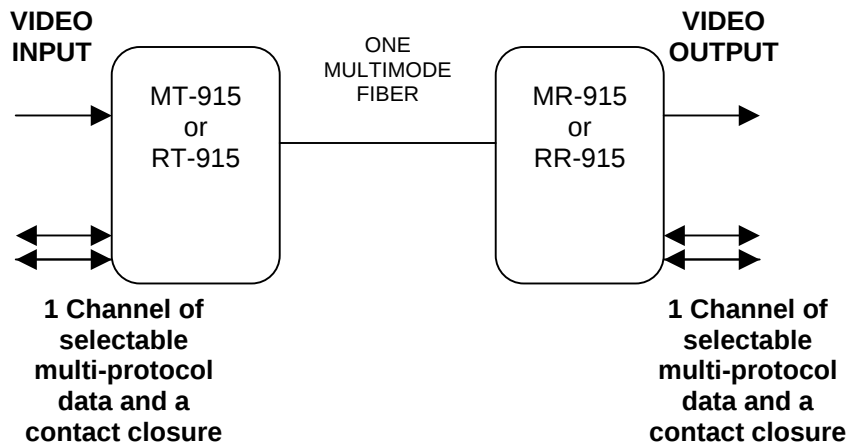
##### Product Ordering Information:

MT-915 Module Transmitter  
MR-915 Module Receiver  
RT-915 Rack Card Transmitter  
RR-915 Rack Card Receiver



The American Fibertek 915 Series transmits one channel of high-quality 10 bit 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-20R/1.



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