



**911  
SERIES  
MULTIMODE**

**SINGLE CHANNEL DIGITAL VIDEO SYSTEM WITH A  
BI-DIRECTIONAL SENSORNET DATA CHANNEL**

**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
- ◆ Switch Selectable Terminations

**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).....65 dB  
 Connector ..... BNC

**Data:**

Rate.....230.4 Kbps  
 Connector.....5 pin screw terminal

**Optical:**

Wavelength.....1310/1550nm  
 Loss Budget (62.5/125µ)..... 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 –..... 81/8” x 41/8 x 11/8 ”  
 Rack Card requires - 1 rack slot– 6½”x5”x1”

**Product Ordering Information:**

MT-911 Module Transmitter  
 MR-911 Module Receiver  
 RT-911 Rack Card Transmitter  
 RR-911 Rack Card Receiver

8/15/05



The American Fibertek 911 Series transmits one channel of high-quality 10 bit digitized video and one channel of Sensornet data protocol 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.

