



**926C  
SERIES  
MULTIMODE**

**TWO CHANNEL DIGITAL VIDEO SYSTEM WITH BI-DIRECTIONAL MULTI-PROTOCOL DATA & CONTACT CLOSURE 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
- ◆ 10 Bit Digital Video 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).....65 dB  
 Connector ..... BNC

**Data:**

Interface....485(2 or 4 Wire)/RS422/RS232  
 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 ..... 1310/1550 nm  
 Loss Budget (62.5/125µ).....12 dB  
 Distance ..... 2 km  
 Connector ..... ST

**Temperature (Operating)**

-40°C to +75°C, non-condensing

**Power Supply:**

Rack Card – AFI SR 20/2  
 Module – 12 VDC @ 800 mA

**Size:**

Module..... 8 1/8" x 4 1/8" x 1 1/8"  
 Rack Card :  
 2 rack slots .....6 1/2" x 5" x 2"

**Ordering information:**

MT-926C Module Transmitter  
 RT-926C Rack Card Transmitter  
 MR-926C Module Receiver  
 RR-926C Rack Card Receiver

**Example: RT-926C to RR-926C  
 MT-926C to RR-926C**

10/12/14



The American Fibertek 926C Series transmits two channels of high-quality 10 bit digitized video, one channel of bi-directional multi-protocol data, and one bi-directional contact closure channel 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, these are mounted in the American Fibertek Card Cages: SR-20/2 or SR-20H/2.

