



**944C  
SERIES  
MULTIMODE**

**FOUR CHANNEL DIGITAL VIDEO SYSTEM WITH ONE BI-DIRECTIONAL MULTI-PROTOCOL DATA CHANNEL**

**Features:**

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, Digital Frame Sync, OLI, Data Activity
- ◆ Automatic Resettable Fuses on Power Lines
- ◆ 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:**

Number of Channels ..... 1 (Full Duplex)  
 Interface.....485(2 or 4 Wire)/RS422/RS232  
 Data Format .....Asynchronous, Serial  
 Data Rate..... DC to 115 Kbs  
 Connector .....5 Pin Screw Terminals

**Optical**

Wavelength ..... 1310/1550 nm  
 Loss Budget (62/125µ).....12 dB  
 Maximum Distance .....2 Km (Limited by Fiber Dispersion)  
 Connector ..... ST

**Environmental**

Operating Temp.....-40°C to +75°C  
 Storage Temp.....-40°C to +85°C  
 Humidity.....0% to 95% (non condensing)  
 MTBF.....>100,000 hours

**Power Supply:**

Module : 12 VDC  
 (AFI Part#: PS-12D)  
 Rackcard: SR20/2

**Size:**

Module..... 81/8" x 41/8" x 11/8"  
 Rack Card-2 rack slots..... 6½" x 5" x 2"  
 Maximum Loading: 7 Cards per SR-20/2

**Ordering information:**

MT-944C Module Transmitter  
 MR-944C Module Receiver  
 RT-944C Rack Card Transmitter  
 RR-944C Rack Card Receiver

**Example: RT-944C to RR-944C**

10/30/12 JPK



The American Fibertek 944C Series transmits four channels of high-quality digitized video and one channel of multi-protocol data 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 (includes redundant power supply).

