



**944C-SL
SERIES
SINGLEMODE**

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

Specifications:

Video:

I/O Level1 Vp-p (±3 dB)
 I/O Impedance 75 Ohms
 Bandwidth7 MHz
 Differential Gain2 %
 Differential Phase.....0.7 °
 SNR (Unified Weighted).....65 dB
 Connector BNC

Data:

Number of Channels 1 (Full Duplex)
 Interface.....485(2 or 4 Wire)/RS422/RS232
 Data FormatAsynchronous, Serial
 Data Rate..... DC to 115 Kbs
 Connector5 Pin Screw Terminals

Optical

Wavelength 1310/1550 nm
 Loss Budget (9/125µ).....21 dB
 Connector FC/PC

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..... 8 1/8" x 4 1/8" x 1 1/8 "
 Rack Card-2 rack slots..... 6 1/2" x 5" x 2"
 Maximum Loading: 7 Cards per SR-20/2

Ordering information:

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

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



The American Fibertek 944C-SL Series transmits four channels of high-quality 10 bit digitized video and one channel of multi-protocol data on one singlemode 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).

