



# 48 CHANNEL DIGITAL VIDEO SYSTEM WITH 2 PORTS OF MULTI-PROTOCOL DATA 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 “Afinity” Intelligent Monitoring System
- ◆ Automatic Resettable Fuses on Power Lines
- ◆ 10 Bit Digital Video Transmission
- ◆ Multi-Protocol Data 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 (2 Channels):**

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 Block5

**Optical**

Wavelengths Data ..... 1470 nm  
 Data ..... 1490 nm  
 Video..... 1510 nm  
 Video..... 1530 nm  
 Video..... 1550 nm  
 Video..... 1570 nm  
 Video..... 1590 nm  
 Video..... 1610 nm  
 Loss Budget (9/125µ).....21 dB  
 Connector ..... SC/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:**

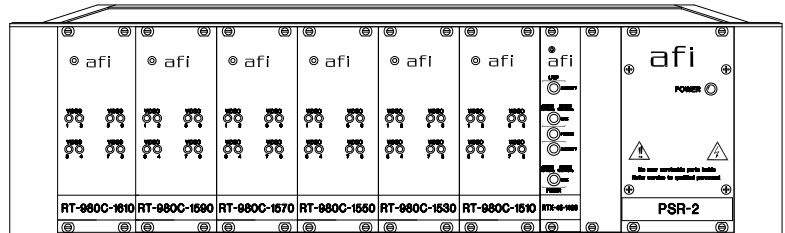
Universal Power Input  
 100 to 240 VAC, 50 to 60 Hz

**Size:**

- (4) Units of 8 Channel Video  
 2 Rack Slots Each..... 5” x 6½” x 2”
- (1) Unit of MPD Data  
 1 Rack Slot.....5” x 6½” x 1”
- (1) 1RU CWDM.. 1.75” H x 19” W x 12” D
- (1) SR20/2

**Ordering information:**

RT-94882C-SL = Video Transmitter  
 RR-94882C-SL = Video Receiver



The American Fibertek 94882C-SL Series transmits 48 channels of high-quality 10 bit digitized video and (2) multi-protocol data ports on one singlemode optical fiber using CWDM technology.

The Series 94882C-SL is very modular. It utilizes 6 (8 channel) video cards and a 2 channel data card. Offerings from 16 to 48 video channels are available.

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 “Afinity” intelligent remote monitoring system is available on this product, please consult factory.**

