



**94848C-SL
SERIES
SINGLE MODE**

**48 CHANNEL DIGITAL VIDEO SYSTEM WITH
2 CHANNELS OF 10/100/1000Base-T ETHERNET**

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
- ◆ Ethernet Data 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 (2 Channels):

Ethernet:

Data Rate
 Auto negotiated.....10/100/1000 Mb/s
 Connector RJ45

Optical

Wavelengths1470 nm
1490 nm
1510 nm
1530 nm
1550 nm
1570 nm
1590 nm
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:

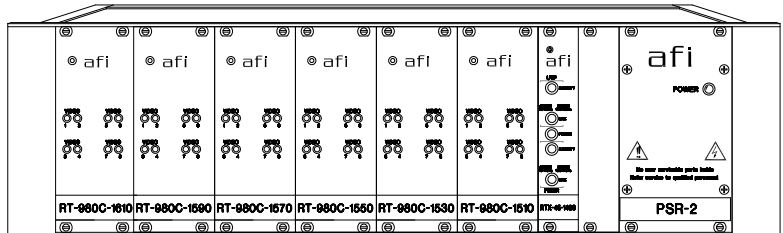
Universal Power Input
 100 to 240 VAC, 50 to 60 Hz

Size:

- (6) Units of 8 Channel Video
 2 Rack Slots Each..... 5" x 6½" x 2"
- (1) Unit of Ethernet
 1 Rack Slot.....5" x 6½" x 1"
- (1) 1RU..... 1.75" H x 19" W x 12" D
- (1) SR20/2

Ordering information:

RT-94848C-SL = Video Transmitter
 RR-94848C-SL = Video Receiver
 1/30/13 JPK



The American Fibertek 94848C-SL Series transmits 48 channels of high-quality 10 bit digitized video and (2) copper 10/100/1000 BaseT Ethernet signals on one singlemode optical fiber using CWDM 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 “Afinity” intelligent remote monitoring system is available on this product, please consult factory.**

