



**94085SL
SERIES
SINGLE MODE**

**40 CHANNEL DIGITAL VIDEO SYSTEM WITH TWO
BI-DIRECTIONAL 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 "Afinety" Intelligent Monitoring System
- ◆ 10 Bit 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)..... 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 Block

Optical

Wavelengths 1310 nm
 1470 nm
 1490 nm
 1510 nm
 1530 nm
 1550 nm
 1570 nm
 Loss Budget (9/125µ)..... 21 dB
 Connector SC/PC

Temperature (Operating)

-40°C to +75°C, non-condensing

Power Supply:

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

Size:

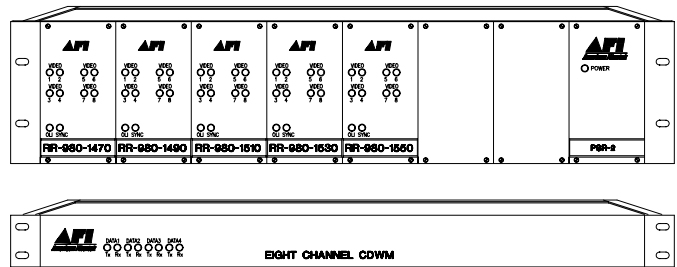
(5) Units of 8 Channel Video
 2 Rack Slots Each – 5 x 6½ x 2"
 (1) 1RU 1.75" High x 19" Wide x 12" Deep
 (1) SR20/2

Ordering information:

RT-94085SL = Video Transmitter
 RR-94085SL= Video Receiver

Example:

RT-94085SL to RR-94085SL



The American Fibertek 94085SL Series transmits 40 channels of high-quality 10 bit digitized video and two channels of multi-protocol data 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 "Afinety" intelligent remote monitoring system is available on this product, please consult factory.**

Equipment consists of an American Fibertek Card Cage, SR-20/2 sub-rack containing five (8 channel video) rack cards (2 slots each) and a 1 RU housing which contains the Data function and the CWDM passive optics.

