



**92485SL  
SERIES  
SINGLE MODE**

**24 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  
 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:**

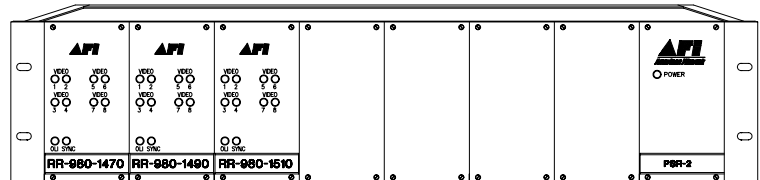
- (3) Units of 8 Channel Video  
 2 Rack Slots Each – 5 x 6½ x 2"
- (1) 1RU 1.75" High x 19" Wide x 12" Deep
- (1) SR20/2

**Ordering information:**

RT-92485SL = Video Transmitter  
 RR-924285SL= Video Receiver

**Example:**

**RT-92485SL to RR-924885SL**



The American Fibertek 92485SL Series transmits 24 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 three (8 channel video) rack cards (2 slots each) and a 1 RU housing which contains the Data function and the CWDM passive optics.

