



**91600-20  
SERIES  
MULTI-MODE**

# 16 CHANNEL HD 960H VIDEO SYSTEM : SUPPORTS 650-720TVL CAMERA RESOLUTION

**Features:**

- ◆ Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- ◆ Diagnostics: Video, DC Power, OLI
- ◆ 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 Level .....1 Vp-p (±3 dB)  
 I/O Impedance ..... 75 Ohms  
 Bandwidth .....20 MHz  
 TVL .....650-720  
 Differential Gain .....2 %  
 Differential Phase.....0.7 °  
 SNR (Unified Weighted).....65 dB  
 Connector ..... BNC

**Optical**

Wavelengths  
 -1310nm thru1610nm  
 ( 16 wavelengths, every 20nm)  
 Loss Budget (62/125µ).....12 dB  
 Distance.....2 km  
 Connector ..... ST

**Environmental**

Operating Temp.....0°C to +70°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, 100 Watts

**Size:**

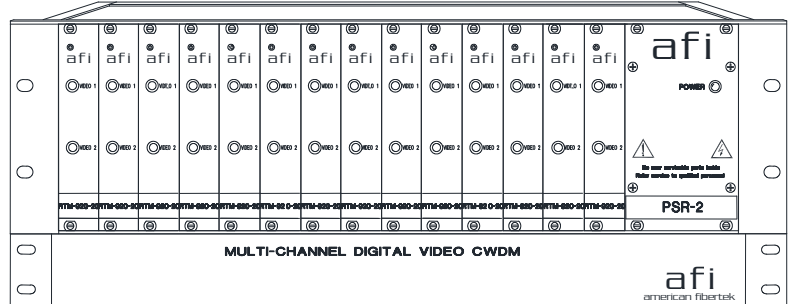
(8) Units of 8 Channel Video  
 1 Rack Slots Each – 5 x 6½ x 1”  
 (1) 1RU 1.75” High x 19” Wide x 12” Deep  
 (1) 3RU SR20/2

**Ordering information:**

RT-91600-20 = Video Transmitter  
 RR-91600-20 = Video Receiver

**Example:**

**RT-91600-20 to RR-91600-20**



Picture of a similar system

The American Fibertek 91600-20 Series transmits 16 channels of HD (high definition / resolution), high-quality 10 bit digitized video on **one multimode optical fiber** over a distance of up to 2 km.

The Series 91600-20 is targeted for use with high resolution cameras / recorders / monitors such as the Bosch 960H system portfolio.

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 (3RU) sub-rack containing 8 (dual channel video) rack cards (1 slot each) and a 1RU rack unit which contains the CWDM passive optics. Also available in card cages (SR-20H/2) with redundant power supplies.

