



**91600C-UTP-BNC SERIES MULTIMODE SINGLEMODE**

# 16 CHANNEL DIGITAL VIDEO UTP/BNC HYBRID SYSTEM (UTP INPUTS AT TRANSMITTER AND BNC OUTPUTS AT RECEIVER)

**Features:**

- Compatible with NTSC, (RS – 170A & RS –343A), PAL and SECAM
- Diagnostics: Video, DC Power, OLI
- RJ-45 Video Input Connectors
- BNC Output Connectors
- Automatic Resettable Fuses on Power Lines

**Specifications:**

**Video:**

I/O Level .....1 Vp-p (±3 dB)  
 I/O Impedance ..... 100 Ohms  
 Bandwidth .....7 MHz  
 Differential Gain .....<2 %  
 Differential Phase ..... <0.7 °  
 SNR (Unified Weighted)  
 -Multimode ..... >55 dB  
 -Singlemode ..... >65 dB  
 Connector TX Inputs ..... RJ-45  
 Connector RX Inputs..... BNC

**Optical : (91600C Series)**

Wavelength ..... 1310/1550 nm  
 Loss Budget (62/125µ).....12 dB  
 Maximum Distance on Multimode.....1 Km (Limited by Fiber Dispersion)  
 Connector ..... ST

**Optical : (91600C-SL) Series**

Wavelength ..... 1310/1550 nm  
 Loss Budget (9/125µ).....15 dB  
 Connector ..... FC

**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  
 85 to 264 VAC, 47 to 63 Hz, 50 Watts Max.

**Size:**

1RU High x 19" Wide x 12" Deep

**Ordering information:**

MRT-91600C-UTP-BNC: Video Tx Multimode  
 MRR-91600C-UTP-BNC: Video Rx Multimode  
 MRT-91600C-SL-UTP-BNC: Video Tx Singlemode  
 MRR-91600C-SL-UTP-BNC: Video Rx Singlemode

Related Products

Series 91685C(SL)-UTP-BNC :  
 16 Channel Video with 2 bi-directional data channels  
 Series 91686C(SL)-UTP-BNC :  
 16 Channel Video with 1 bi-directional data channel and 1 bi-directional contact channel

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The American Fibertek 91600C-(SL)-UTP-BNC Series transmits 16 channels of high-quality digitized video on one multimode or singlemode optical fiber using WDM technology. The video input connections at the transmitter location are 100 ohm UTP (RJ-45) connectors . The video output connections at the receiver location are 75 ohm BNC connectors.

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.

