

1 Baseband Video/2 Audio/ASI Fiberoptic Multiplexer



HDTV



Model **CL-12HD**



The rack-mountable CL-12HD fiberoptic baseband video multiplexer is ideal for transmitting 1 channel of baseband video, 2 channels of audio and 1 high speed serial data channel on one strand of fiberoptic cable. The high speed serial data channel may be either DVB-ASI or SMPTE 310M. The CL-12HD's High Speed Serial data channel employs automatic cable equalization for error free operation over long coaxial cable runs. The CL-12HD operates by digitizing and multiplexing video, audio and high speed data onto a high-speed serial data stream, which is then transmitted via fiberoptic cable.

Because the system employs digital transmission techniques, performance characteristics are consistent and maintained over the specified distance with no degradation of signal. The CL-12HD is designed to work with standard singlemode or multimode fiberoptic cable and can be wall mounted or rack mounted. Both transmitter and receiver come equipped with internal power supplies. Optical Link LEDs facilitate the continuous monitoring of the fiberoptic system.

Features

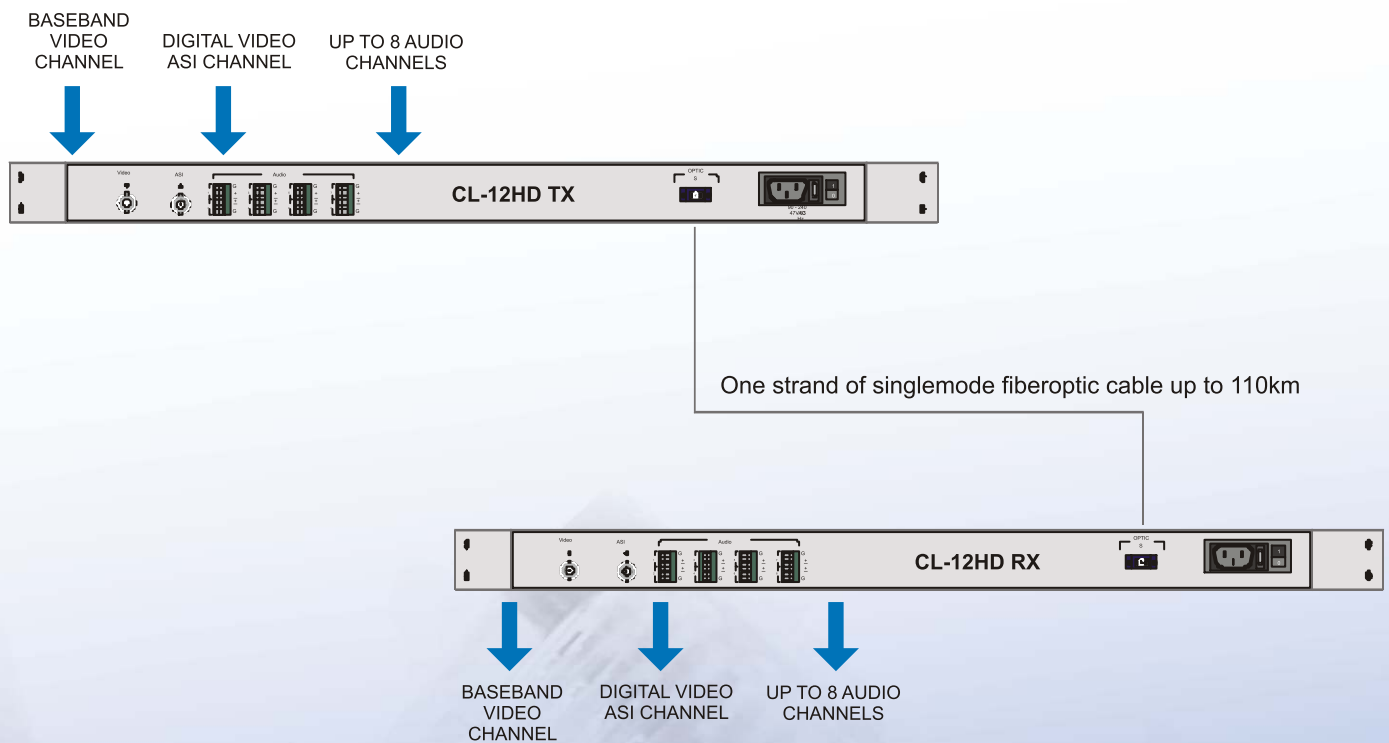
- High Quality 10-bit Digital Sampling of Video Input
- High Speed Data Channel for DVB-ASI or SMPTE 310M
- High Speed Data Channel employs Automatic Cable Equalization
- Digital Transmission of Stereo Audio
- Baseband Video or composite Video/Audio Transmission over video channel
- External Audio Compatible with Balanced or Unbalanced Audio Formats
- High Quality Uncompressed Digital Transmission
- 67 dB SNR
- Bidirectional Transmission available

Model Selection

CL-12HDT-1S-1V-2A-ASI-SCA-40	Fiberoptic Mux TX, 1 Video, 2 Audio, 1 DVB-ASI, Singlemode, SC/APC Connector, 40km
CL-12HDR-1S-1V-2A-ASI-SCA-40	Fiberoptic Mux RX, 1 Video, 2 Audio, 1 DVB-ASI, Singlemode, SC/APC Connector, 40km
CL-12HDT-1S-1V-2A-S310-SCA-40	Fiberoptic Mux TX, 1 Video, 2 Audio, 1 SMPTE 310, Singlemode, SC/APC Connector, 40km
CL-12HDR-1S-1V-2A-S310-SCA-40	Fiberoptic Mux RX, 1 Video, 2 Audio, 1 SMPTE 310, Singlemode, SC/APC Connector, 40km
CL-12HDT-1S-1V-2A-ASI-SCA-80	Fiberoptic Mux TX, 1 Video, 2 Audio, 1 DVB-ASI, Singlemode, SC/APC Connector, 80km
CL-12HDR-1S-1V-2A-ASI-SCA-80	Fiberoptic Mux RX, 1 Video, 2 Audio, 1 DVB-ASI, Singlemode, SC/APC Connector, 80km
CL-12HDT-1S-1V-2A-S310-SCA-80	Fiberoptic Mux TX, 1 Video, 2 Audio, 1 SMPTE 310, Singlemode, SC/APC Connector, 80km
CL-12HDR-1S-1V-2A-S310-SCA-80	Fiberoptic Mux RX, 1 Video, 2 Audio, 1 SMPTE 310, Singlemode, SC/APC Connector, 80km

Other Connectors and Distances Available Upon Request

Example Application



Specifications

Standards	NTSC, PAL, SECAM
Channels	1 x Baseband Video, 2 x Audio, 1 x High Speed Data
Video Bandwidth SNR/dP/dG	10 Hz to 6.5 MHz 67 dB, < 1 deg / < 1%
Video I/O	BNC, 1V p-p, 75 ohm
High Speed Data	BNC, 1V p-p, 75 ohm DVB-ASI@270 Mbps, SMPTE 310M@19.4 Mbps
Stereo Audio I/O	Terminal Block, 1V p-p, 10 Kohm
Dimensions	480mm x 225mm x 44mm
Environment	Operating temperature: 0°C to 50°C Storage temperature: -20°C to 70°C Operating humidity: 10% to 90% RH Storage humidity: 5% to 90% RH
Input Power Requirements	Voltage: 110/240V Auto-sense Internal Power
Regulatory Compliance	FCC Part 15 Class A, CE, UL, CUL, TUV