

10 Channel Fiberoptic Multiplexer



Model **CL-10V**

The rack-mountable CL-10V fiberoptic video multiplexer is ideal for transmitting up to 10 channels of video on fiberoptic cable. The CL-10V operates by digitizing and multiplexing 10 channels of standard analog video into a high-speed serial cable. Because the system employs true digital transmission techniques, performance characteristics are consistent and maintained over the specified distance with absolutely no degradation of signal; there are no FM carriers that need to be tuned or that can drift over time. The low component count and use of custom ASICs increase system reliability and performance.

The CL-10V 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.

User selectable cable equalization controls on the transmitter unit allow for long lengths of coax cable from widely spaced video sources to be accommodated without any sacrifice in picture sharpness or quality. Built-in diagnostics LEDs for each channel; loss of signal/broken fiber alarm and color bar generator facilitate rapid setup and the continuous monitoring of all phases of operation.

Features

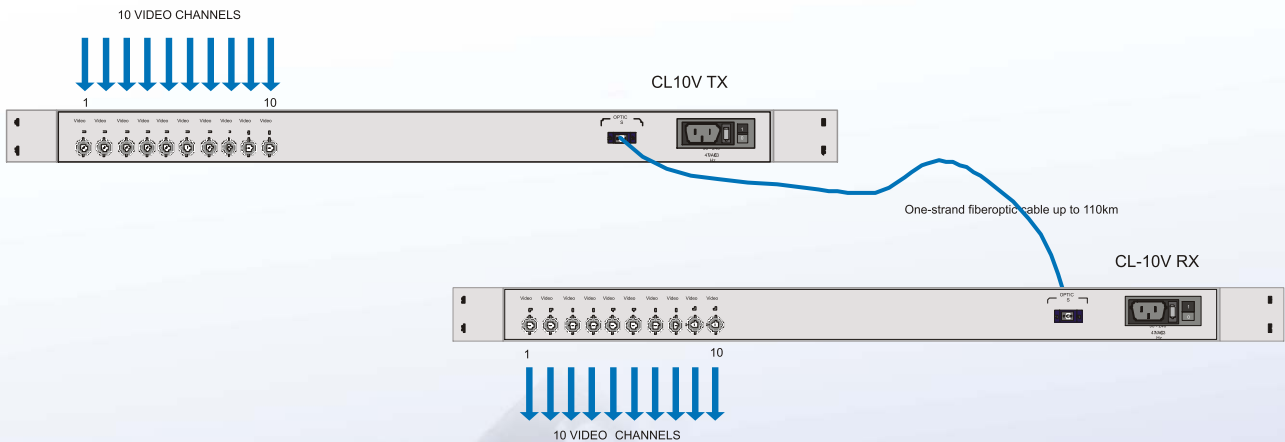
- 10 Video Channel Transmission
- Transmit up to 110km over one-strand fiberoptic cable
- High Quality Uncompressed Digital Transmission
- 62 dB SNR
- Compatible with Composite Video and Audio Signals
- Bidirectional Transmission available

Model Selection

CL-10VT-1S-SCA-40	10 Channel Video Transmitter, Singlemode, SC/APC, 40km
CL-10VR-1S-SCA-40	10 Channel Video Receiver, Singlemode, SC/APC, 40km
CL-10VT-1S-SCA-80	10 Channel Video Transmitter, Singlemode, SC/APC, 80km
CL-10VR-1S-SCA-80	10 Channel Video Receiver, Singlemode, SC/APC, 80km

Other Connectors and Distances Available Upon Request

Example Application



Specifications

Standards	NTSC, PAL, SECAM
Channels	10
Video Bandwidth SNR/dP/dG	10 Hz to 6.5 MHz 62 dB < 2 deg / < 2%
Video Input	1V p-p, 75 ohm
Input Cable Equalization	0 to 100m
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
Registration	FCC Part 15 Class A, CE, UL, CUL, TUV