

# Card Modules for System Chassis CL-2500 and CL-5000



Model **CL-5000VA**

Video/Audio

CL-5000VA fiberoptic video and audio multiplexer is ideal for transmitting 1 or 2 channels of video and up to 4 channels of audio on one wavelength. The CL-5000VA operates by digitizing and multiplexing video and audio onto a high-speed serial cable. Because the system employs 10-bit digital transmission techniques, performance characteristics are consistent and maintained over the specified distance with 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. Built-in diagnostics LED's for each channel; loss of link facilitate the continuous monitoring of all phases of operation.

## Features CL-5000VA

- High Quality 10-bit Digital Sampling of Video Inputs,
- Uncompressed Digital Transmission
- Optional Two Video Transmission
- Baseband Video or composite Vide/Audio Transmission
- Optional 2 or 4 Channel Audio Transmission
- Audio Compatible with Balanced or Unbalanced Audio Formats
- High Quality Uncompressed Digital Transmission

## Application

- SMPTE 259M, SDI or D1
- SMPTE 310M, MPEG2
- SMPTE 305 - 540 Mbps
- HDTV
- Video-on-Demand Stream
- MPEG Encoder
- DVB-ASI
- ASI 1.0 Mbps to 370 Mbps

## Specifications

CL- 5000VA	CL - 5000DVB
1 BNC, 75 ohm for Video, 1 Terminal Block for Audio, 1SC/PC or SC/APC Singlemode optical port	1 BNC, 75 ohm 1SC/PC or SC/APC Singlemode optical port
Video 75 ohm RG-59, Audio Impedance: 10 Kohm Optical: 9/125 micron singlemode fiber cable	DVB-ASI: 75 ohm RG-59 Optical: 9/125 micron singlemode fiber cable
Power, Optical Signal Detect	Power, Optical Signal Detect
FCC Part 15 Class A, CE, UL, CUL, TUV, VCCI 1	FCC Part 15 Class A, CE, UL, CUL, TUV, VCCI 1
CL-5000VAT-SCA-YYY-0: One Video/Two Audio optical Transmitter CL-5000VAR-SCA-YYY-0: One Video/Two Audio optical Receiver	CL-5000DVT-SCA-YYY-0: DVB-ASI Optical Transmitter CL-5000DVR-SCA-YYY-0: DVB-ASI Optical Receiver



Model **CL-5000DVB**

DVB-ASI/SMPTE 310M

CL-5000DVB is a general purpose media converter that translates transmission signals from a copper media to a singlemode optical signal. The CL-5000DVB uses BNC connector for the copper input and can be configured for CWDM or DWDM optics. Typical applications include DVB-ASI or SMPTE 259M running at 270 Mbps. The CL-5000DVB also supports SMPTE 310M and ASI from 19 Mbps up to 370 Mbps. The CL-5000DVB translates and transmits the signals over one fiberoptic strand.

## Features CL-5000DVB

- General Purpose Copper to Fiber Media Converter
- 0.5 Mbps - 622 Mbps Bandwidth
- 1 x Copper port: BNC with equalization
- 1 x Singlemode or Multimode fiberoptic port
- 110km transmission range
- 1 Fiber strand transmission
- Plug-n-Play