DVB-ASI Fiberoptic Transport

HDTV

Model CL-270

CL-270 is a general purpose media converter that translates transmission signals from a copper media to a singlemode optical signal. The CL-270 uses a BNC connector for the copper input and can be configured for SC, SC(APC), ST and FC optical connectors. Typical applications include DVB-ASI or SMPTE 259M running at 270 Mbps.

The CL-270 also supports SMPTE 310M and ASI from 19 Mbps up to 370 Mbps. The CL-270 translates the signals and transmits the signals over one fiber strand. The CL-270 has easy-to-read diagnostic LED's for continuous status system status.

Features

- General Purpose Copper to Fiber Media Converter
- 0.5 Mbps to 622 Mbps Bandwidth
- 1 x Copper Port: BNC with Equalisation
- 1 x Singlemode or Multimode Fiberoptic Port
- 110km Transmission Range
- 1 Fiber Strand Transmission
- Plug-n-Play
- Bidirectional Transmission available

Application

- SMPTE 259M, SDI or D1
- SMPTE 310M, MPEG2
- SMPTE 305 540Mbps
- HDTV
- Video-On-Demand Streams
- MPEG Encoder
- DVB-ASI
- ASI 0.5 Mbps to 622 Mbps

Model Selection

CL-270T-1S-SCA-60	Fiberoptic Media Converter, TX, Singlemode Fiber, SC/APC Connector, 60km
CL-270R-1S-SCA-60	Fiberoptic Media Converter, RX, Singlemode Fiber, SC/APC Connector, 60km
CL-270T-1S-SCA-110	Fiberoptic Media Converter, TX, Singlemode Fiber, SC/APC Connector, 110km
CL-270R-1S-SCA-110	Fiberoptic Media Converter, RX, Singlemode Fiber, SC/APC Connector, 110km

Other Connectors and Distances Available Upon Request

Example Application

Specifications

Connection Ports	1 BNC, 75 ohm 1 SC/PC or SC/APC Singlemode Optical Port
Transmission Media	DVB-ASI: 75 ohm RG-59 Optical: 9/125 micron singlemode fiber cable
LED Indicators	Power, Optical Signal Detect
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

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