

ML Series

Overview

The Vilink ML1D is a fiber optic digital Transmitter/Multiplexer for transmitting video, bi-directional data over a fiber optic cable. This robust transmission platform additionally offers a full (NMS) monitoring capability and extended operating temperature range for today's advanced network requirements.

The ML1D Series is compatible with NTSC Medium Haul standards (RS-250C) and other video formats such as PAL and CCIR standards, plus it is capable of full duplex bi-directional data transmission of EIA-RS-232 and EIA-RS-422 data formats that are externally switchable for varied requirements.

The ML1D series offers a fully digital 8 bits encoding/decoding of uncompressed real time video providing adjustment free operation over a wide operational range. Using AGC techniques for distances from back-to-back to 50 Kilometers, our digital signaling offers superior receiver output stability, which is unaffected by changes in fiber path attenuation due to aging or splicing points. This model extended temperature lends itself to most application requiring high quality video performance with high reliability.

The ML1D series is easily maintained with the optional Vilink Plus + (NMS) Network Management & (GUI) Interface Software Package. Bringing all status monitoring of the entire system to your fingertips with any standard PC, (SNMP) Single Network Management Protocol is also available.

Applications include ITS Intelligent Traffic System, CCTV Surveillance, Homeland Security, Utility Management, Premise Networks, Military Hardened applications or anything requiring high quality video performance.



Features

- Real Time Digital Video Transmission
- 8 Bits Digital Encoding/Decoding
- NTSC Medium Haul Performance (RS-250C) International PAL Standards/ CCIR Formats
- Bi-directional EIA-RS-232/RS-422
- AGC Singlmode Transmission of 0 to 50 Km
- NMS (GUI) Status Monitoring
- Extended Temperature Range

Applications

- ITS Traffic Applications
- Long Distance CCTV/PTZ
- Homeland Security
- Utility System
- Military Applications
- Premise Networks
- Any High Quality Video Requirement

Ordering Information

Model	Description
ML1DVTBDST-3/5	Video Transmitter Stand alone, Bi-directional RS-232/422, 1310/1550nm SM, ST.
ML1DRVRBDST5/3	Video Receiver Rack Card, Bi-directional RS-232/422, 1550/1310nm, SM, ST.
ML1DVTST03	Video Transmitter Stand alone, 1310nm SM, ST.
ML1DRVRST03	Video Receiver Rack card, 1310nm SM, ST.

Specifications

System:	
Error Rate	1 in 10 ⁹ or Better
NMS (Option)	GUI RS-232 ports
Indicators	PWR, LINK
NMS Connector	RJ-12
Environment	
Operating	-34°C to 74°C
Storage	-40°C to 95°C
Humidity	95% Non-Condensing
Electrical	
Interface	EIA RS-232/RS-422 Switchable
Connector	Female DB-25

Optical:	
Transmitter	Laser 1310/1550nm
Receiver	PIN
Power Budget	25 dB SM
Connectors	ST, FC, SC
Data:	
Data Rate	19.2 Kbps
Format	RS-232, RS-422
Connector	RJ-45
Physical:	
Transmitter	1" x 6" x 4"
Receiver Rack Card	5.25" x 12" x 1.1"
Weight	1 lb. (standalone) <1lb (rackmount)
Power:	
Standalone	12 VDC @ 1 Amps
Rack Card	90-240 VAC / 47-63 Hz

Application

