

# DIGITAL VIDEO WITH BI-DIRECTIONAL DATA LINK

## PRODUCT SPECIFICATION EL – VD1202 TX / RX SERIES

### SPECIFICATIONS

#### VIDEO

Video Input: 1 volt pk-pk ( 75 ohms )  
 Video Bandwidth: 10 Hz – 10 MHz  
 Differential Gain: <0.7%  
 Differential Phase: <0.7°  
 Tilt: <1%  
 Signal-to-Noise Rate: >67dB

#### DATA

Data Interface: RS-232,RS-422, RS-485  
 with Tri-State  
 Data Format: NRZ,RZI,Manchester, Bi-phase  
 Data Rate: DC – 300Kbps(NRZ)  
 Bit Error Ratio: < 1 in 10 E-9  
 Operating Mode: Simplex or Full-Duplex

**WAVELENGTH** 1310/1550nm

**OPTICAL EMITTER** Laser Diode

**NUMBER OF FIBER** 1Core

#### LED INDICATORS

- Video Transmitter/ Data Transceiver
  - .Video level LED / **OPTION** .Video input level
  - .Received Data .Video status
  - .Transmitted Data .Received Data
  - .Operating Power .Transmitted Data
  - .Operating Power .Operating Power
- Video Receiver/ Data Transceiver
  - .Video level LED / **OPTION** .Video output level
  - .Received Data .Optical status
  - .Transmitted Data .Video status
  - .Operating Power .Received Data
  - .Operating Power .Transmitted Data
  - .Operating Power .Operating Power

### CONNECTORS

Video: BNC (Gold Plated Center-Pin)  
 Data: Terminal Block with Screw Clamps,  
 Type DB-9 Connector (RJ-45)  
 Optical: ST or SC Connector

### ELECTRICAL & MECHANICAL

Power: 12 VDC @ 300mA  
 Surface Mount: From Rack  
 Number of Rack Slots: 12  
 Current Protection: Automatic Resettable Solid-State  
 Current limiters

#### Size( WxHxD )

Module Type 123 x 35 x 220mm  
 3u Card Type 25 x 128 x 224mm  
 1u Rack Mount 483 x 44 x 330mm  
 3u Rack Type 483 x 132 x 290mm

### ENVIRONMENTAL

MTBF: > 100,000 hours  
 Operating Temp: -40°C to +74°C  
 Storage Temp: -40°C to +85°C  
 Relative Humidity: 0% to 95% (non-condensing)

### SYSTEM DESIGN

