

DIGITAL 8ch VIDEO WITH 8ch DATA AND 4ch ETHERNET LINK

PRODUCT SPECIFICATION EL – 8V8D4E1402 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 Ratio: >67dB

DATA

Data Interface: RS-232,RS-422, RS-485
 with Tri-State

 Data Format: NRZ,RZI,Manchester, Bi-phase
 Data Rate: DC – 2 Mbps (NRZ)
 Bit Error Rate: < 1 in 10 E-9
 Operating Mode: Simplex or Full-Duplex

ETHERNET

Protocol : IEEE 802.3/802.3u
 Duplex Mode: Full or Half Duplex
 Frame : 803/8033 fps
 BER : Better than 10e-10

WAVELENGTH 1310/1550nm

OPTICAL EMITTER Laser Diode

NUMBER OF FIBER 1Core

LED INDICATORS

- Video Transmitter/Data & Ethernet Transceiver
 - .Video level LED
 - . Ethernet PWR, FX LNK, TP LNK
 - .Received Data
 - .Transmitted Data
 - .Operating Power
- Video Receiver/Data & Ethernet Transceiver
 - .Video level LED
 - .Ethernet PWR, FX LNK, TP LNK
 - .Received Data
 - .Transmitted Data
 - .Operating Power

CONNECTORS

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

ELECTRICAL & MECHANICAL

Power: 12 VDC @ 500mA
 Surface Mount: From Rack
 Number of Rack Slots: 12
 Current Protection: Automatic Resettable Solid-State
 Current limiters

Size(WxHxD)

6u Card Type 25 x 256 x 224mm
 6u Rack Mount 483 x 264 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

