

DIGITAL 1ch VIDEO & 1ch DATA / 1ch AUDIO LINK
PRODUCT SPECIFICATION **EL – VAD1202 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 – 300Kbps (NRZ)
 Bit Error Rate: < 1 in 10 E-9
 Operating Mode: Simplex or Full-Duplex

AUDIO

Audio output: 0dBm (2.2V pk-pk)
 Audio Bandwidth: 20 Hz – 20 KHz
 Total harmonic distortion: -82dB
 Channel crosstalk: -100 dB at 1 KHz
 Signal-to-Noise Ratio: >87dB

WAVELENGTH 1310/1550nm

OPTICAL EMITTER Laser Diode

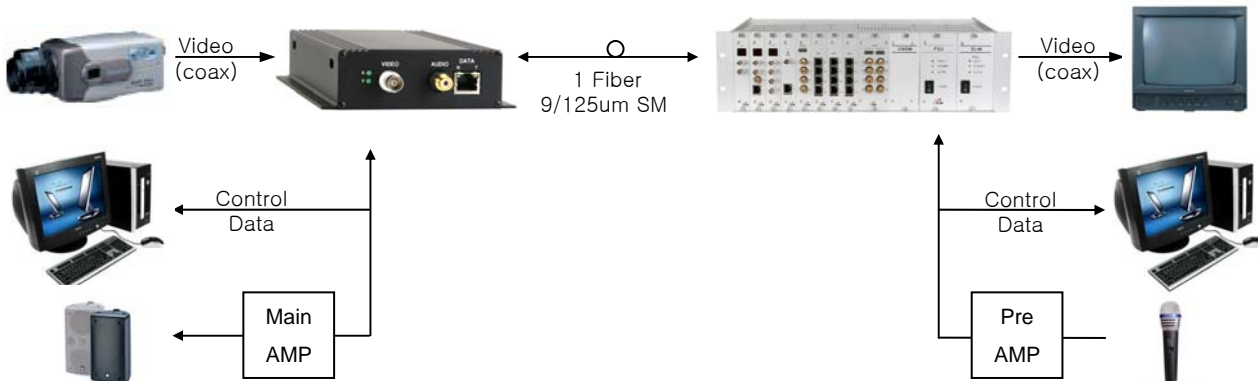
NUMBER OF FIBER 1Core

LED INDICATORS

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

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

SYSTEM DESIGN



CONNECTORS

Video: BNC (Gold Plated Center-Pin)
 Data: Terminal Block with Screw Clamps,
 Type DB-9 Connector (RJ-45)
 Audio: RCA Connector
 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 Mount 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)