

EL-VAD1202

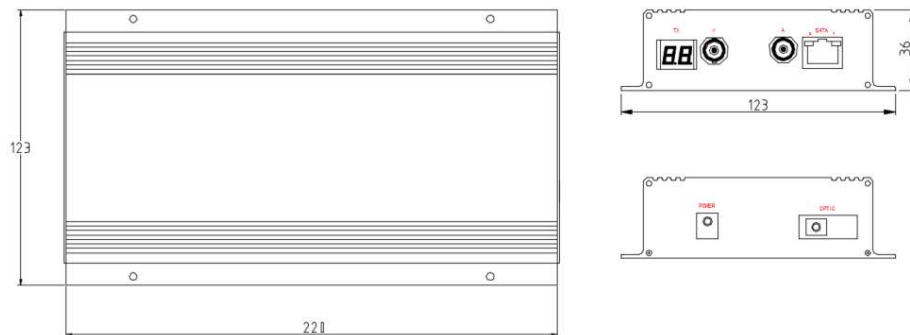
DIGITAL VIDEO+AUDIO+DATA LINK



INNOBIZ



Dimensions



W123 x H36 x D220

Description

This product includes one-channel image between the camera and the monitor, one-channel audio signal (PRE-AMP output) and control of MIC.

It is a device that transmits one channel of two-way control data between the roll keyboard and receiver BOX to 1 core of optical cable.

Features

- High-quality image and data transfer
- 10 bit Digital link
- RS-232C, RS-422, RS-485
- Long-distance, non-delay transmission using optical properties of optical communication (maximum transmission distance of 120Km)
- Built-in video signal numerical value display & optical cable disconnection display function
- AC 110 V / 220 V combined
- Seven-segment for displaying image input/output voltage by channel, LED built-in
- NTSC, PAL, SECAM

Ordering Information

	PART NUMBER	DESCRIPTION	OPTICAL PWR BUDGET	MAX DISTANCE (Option)
SINGLE-MODE 9/125um	EL-VAD1202 TX	Video TX / Data T.RX / Audio RX	7dB	20Km
	EL-VAD1202 RX	Video RX / Data T.RX / Audio TX		
	EL-VAD1402 TX	Video TX / Data T.RX / Audio RX	13dB	40Km
	EL-VAD1402 RX	Video RX / Data T.RX / Audio TX		

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VIDEO

Video Input : 1 volt pk-pk (75 ohms)

Video Bandwidth : 10 Hz – 6.5 MHz

Video channel : 1ch

Differential Gain : <1%

Differential Phase : <1°

Signal-to-Noise Ratio : >63dB

AUDIOA

Audio in/output : 0dBm r.m.s(2.2V pk-pk)

Audio Bandwidth : 20 Hz – 20 KHz

Total harmonic distortion : -62dB 1 KHz

Signal-to-Noise Ratio : >67dB

Channel : 1ch

DATA

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

Data Format: NRZ, RZI, Manchester, Bi-phase

Data channel : 1ch

Data Rate: DC – 2Mbps(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 input level display (7 segment)
-RX, TX Data LED

Video Receiver/ Data Transceiver
-Video output level display (7 segment)
-Fiber optic cable status alarm
-RX, TX Data LED

CONNECTORS

Video : BNC

Data : RJ-45

Optical : SC Connector

ELECTRICAL&MECHANICAL

Power : 12 VDC @ 1.2A

Surface Mount : From Rack

Number of Rack Slots : 12

Power Consumption : 1 card (0.35A)

Current Protection : Automatic Resettable Solid-State Current limiters

SIZE(WxHxD)

Module Type : 123 x 36 x 220mm

3u Card Type : 25 x 128 x 224mm

1u Rack Mount : 483 x 44 x 300mm

3u Rack Mount : 483 x 132 x 275mm

ENVIRONMENTAL

MTBF : > 100,000 hours

Operating Temp : -20°C to +70°C

Storage Temp : -40°C to +85°C

Relative Humidity : 0% to 95% (non-condensing)