

Code: D-SEP/HD-4/TR

SEPARATOR WITH VIDEO BALUN D-SEP/HD-4/TR

Net: 24.50 EUR Gross: 24.50 EUR

The D-SEP/HD-4/TR has the following functions:
galvanic separator, ground loop isolator - eliminates or reduces signal interferences resulting from the potential difference between devices and currents flowing through the signal mass. **Video Balun** - adapts 75Ω coaxial cable impedance to symmetrical cable impedance. Each input is protected by a specialized TVS diode.

The D-SEP/HD-4/TR consists of 4 independent (galvanically isolated) channels.

The D-SEP/HD-4/TR requires the proper connection.
LINES (cable terminals) - signal from camera (symmetrical transmission line). **DEVICE** (BNC socket) - recorder, monitor.

It is important to pay attention to linking the adequate terminals: (+) and (-). Reverse connection would cause distortion of image.



SPECIFICATION

Standard:	• AHD - 8 Mpx, 4K UHD • HD-CVI - 8 Mpx, 4K UHD • HD-TVI - 8 Mpx 4K UHD • CVBS - PAL / NTSC
Video transmission range:	• 250 m @ 720p - UTP cat. 5e • 150 m @ 1080p - UTP cat. 5e • 400 m @ CVBS - PAL / NTSC - UTP cat. 5e
Device type:	Passive
Number of channels:	4 pcs Video
Number of inputs:	4 pcs cable terminals
Number of outputs:	4 pcs BNC socket
Input impedance:	100 Ω
Output impedance:	75 Ω
Opto-isolation between inputs and outputs:	50 V DC
Galvanic separation between individual channels:	> 2000 V
Attenuation:	• 4.43 MHz @ 0.34 dB • 11 MHz @ 0.49 dB • 21 MHz @ 0.71 dB • 38 MHz @ 1.00 dB • 42 MHz @ 1.08 dB • 67.5 MHz @ 1.70 dB The attenuation applies to two devices connected to each other
Bandwidth:	200 MHz
CMRR (dB @ 5MHz):	50 dB
Inputs protection:	ESD, IEC 61000-4-2, ±30kV contact, ±30kV air EFT, IEC 61000-4-4, 40A (5/50ns) Lightning, IEC 61000-4-5, 30A (t _p =8/20μs)
Power supply:	—

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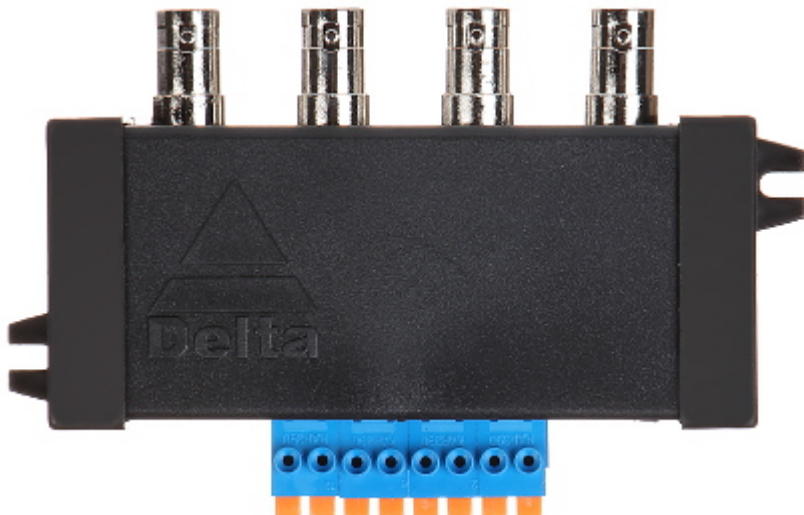
Operation temp:	-20 °C ... 55 °C
Weight:	0.09 kg
Dimensions:	103 x 75 x 30 mm
Manufacturer / Brand:	DELTA
Guarantee:	3 years

PRESENTATION

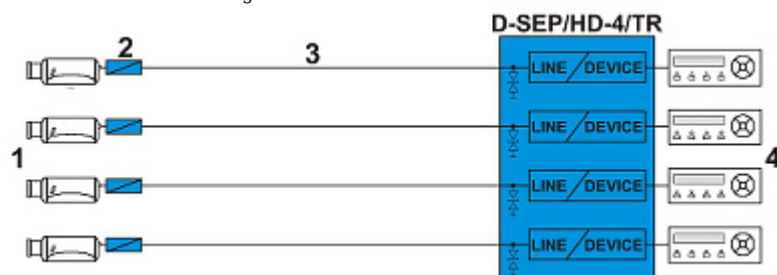
Connectors:



Top view:



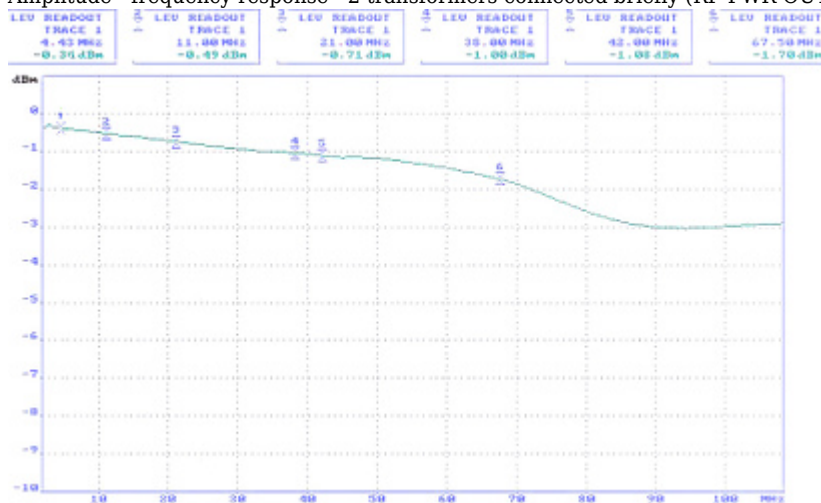
Connection schematic diagram:



1. Camera
2. Video Balun
3. Twisted-pair cable
4. Recorder or monitor

OUR TESTS

Amplitude - frequency response - 2 transformers connected briefly (RF PWR OUT = 0 dBm):



Picture at transmission for distance of 0 m with TR-1 (resolution: 3840 x 2160 - 8.29 MPx 4K UHD):



Picture at transmission for distance of 160 m with TR-1, UTP cat. 5e (resolution: 3840 x 2160 - 8.29 MPx 4K UHD):



OUR OPINIONS



- The device does not allow COAX control.

PACKAGE

Dimensions (L x W x H): 0x0x0 mm	Gross Weight: 0 kg
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