

Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

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.

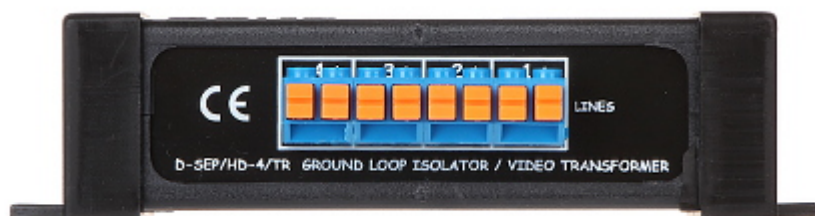


Standard:

- AHD - 8 Mpx, 4K UHD
- HD-CVI - 8 Mpx, 4K UHD
- HD-TVI - 8 Mpx 4K UHD
- CVBS - PAL / NTSC

Video transmission range:	<ul style="list-style-type: none"> • 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:	<ul style="list-style-type: none"> • 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 <p>The attenuation applies to two devices connected to each other</p>
Bandwidth:	200 MHz
CMRR (dB @ 5MHz):	50 dB
Inputs protection:	<p>ESD, IEC 61000-4-2, ± 30kV contact, ± 30kV air</p> <p>EFT, IEC 61000-4-4, 40A (5/50ns)</p> <p>Lightning, IEC 61000-4-5, 30A ($t_p=8/20\mu s$)</p>
Power supply:	—
Operation temp:	-20 °C ... 55 °C
Weight:	0.09 kg
Dimensions:	103 x 75 x 30 mm
Manufacturer / Brand:	DELTA
Guarantee:	3 years

Connectors:

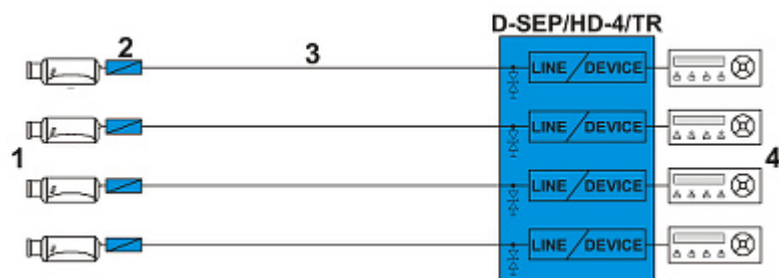




Top view:



Connection schematic diagram:



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

PACKAGE

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