

Code: TR-1P+1AU/50

VIDEO-AUDIO BALUN TR-1P+1AU/50

Net: 1.46 EUR Gross: 1.46 EUR

The TR-1P+1AU/50 is designed to video signal transmission via twisted-pair cable. The device adapts the impedance of coaxial cable 75Ω to the impedance of symmetrical line, ensuring transmission of video signal up to 400m (twisted-pair cable category 5) and eliminates asymmetric interferences. For the audio signal is the galvanic separation and the device adapts 600Ω signal impedance to twisted pair cable impedance, what guarantees audio signal transmission up to 1200 meters. If the power connectors are not used, they can be used to DATA transmission.



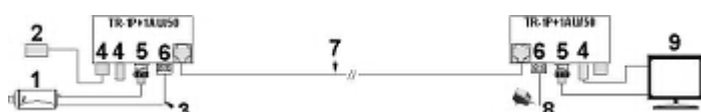
SPECIFICATION

Standard:	• AHD - 8 Mpx 4K UHD • HD-CVI - 8 Mpx 4K UHD • HD-TVI - 8 Mpx 4K UHD • CVBS - PAL / NTSC
Audio transmission range:	max. 1200 m
Video transmission range:	• 150 m @ 1080p, UTP cat. 5e • 250 m @ 720p, UTP cat. 5e • 400 m @ CVBS - PAL / NTSC, UTP cat. 5e
Attenuation:	Video • 4.43 MHz @ 0.73 dB • 11 MHz @ 1.24 dB • 21 MHz @ 2.16 dB • 38 MHz @ 3.35 dB • 42 MHz @ 3.54 dB • 67.5 MHz @ 3.72 dB
Device type:	Passive
Number of channels:	1 Video 1 AUDIO 1 DC
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Video transmission range:	max. 400 m UTP cat. 5e
Opto-isolation between input and output:	600 V - Audio
Coaxial socket impedance:	75 Ω Video 100 Ω AUDIO
Symmetrical socket impedance:	100 Ω Video 100 Ω AUDIO
Connectors type:	BNC Socket Video CINCH Socket / Cable terminals AUDIO Cable terminals DC
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket

Power supply distance:	Power supply 40V DC • 3141 m @ 50 mA • 2125 m @ 100 mA • 1549 m @ 150 mA • 1176 m @ 200 mA • 995 m @ 250 mA • 867 m @ 300 mA • 741 m @ 350 mA • 664 m @ 400 mA • 574 m @ 450 mA • 511 m @ 500 mA • 429 m @ 600 mA • 374 m @ 700 mA • 318 m @ 800 mA • 263 m @ 900 mA
	Power supply 12V DC • 235 m @ 50 mA • 156 m @ 75 mA • 117 m @ 100 mA • 94 m @ 125 mA • 78 m @ 150 mA • 58 m @ 200 mA • 50 m @ 250 mA • 47 m @ 300 mA • 39 m @ 350 mA • 29 m @ 400 mA • 26 m @ 450 mA • 23 m @ 500 mA • 19 m @ 600 mA • 16 m @ 700 mA • 14 m @ 800 mA • 13 m @ 900 mA • 11 m @ 1000 mA
Weight:	0.088 kg
Dimensions:	118 x 30 x 65 mm
Guarantee:	3 years
Manufacturer / Brand:	DELTA

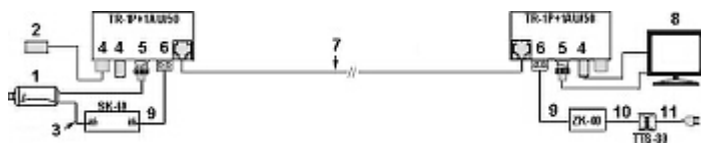
PRESENTATION





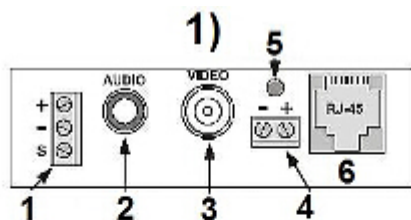
video + audio + power up to 50 meters (12V DC voltage)

- 1) Camera
- 2) audio module
- 3) 12V DC camera powering
- 4) AUDIO
- 5) Video
- 6) Power supply
- 7) 4-pairs twisted-pair cable maximal 50m
- 8) DC 12V power adapter
- 9) Monitor with audio



video + audio + power up to 400 meters (40V DC voltage)

- 1) Camera
- 2) audio module
- 3) 12V DC camera powering
- 4) AUDIO
- 5) Video
- 6) Power supply
- 7) 4-pairs twisted-pair cable maximal 400m
- 8) Monitor with audio
- 9) DC 40V
- 10) AC 29V
- 11) AC 230V



1) Front panel

1. Audio module connecting ("+" - power supply +12V / "-" - ground GND / "S" - audio signal)

2. Audio In/Out

3. Video In/Out

4. 12V power In/Out

5. LED indicator

6. Line

2) Wiring sequence inside the RJ-45 plug (according to T568B standard)

A) white/orange - DC 12V power "+"

B) orange - DC 12V power "-"

C) white/green - DC 12V power "+"

D) blue - audio signal (-)

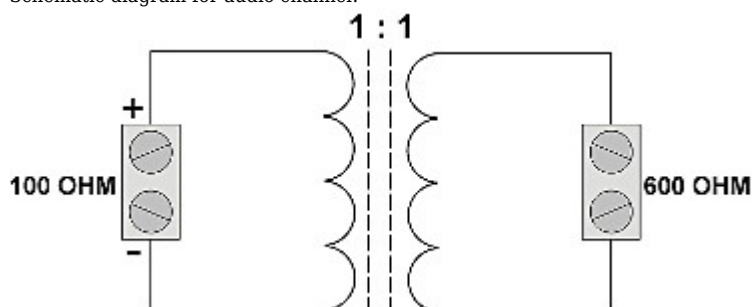
E) white/blue - audio signal (+)

F) green - DC 12V power "-"

G) white/brown - camera signal (+)

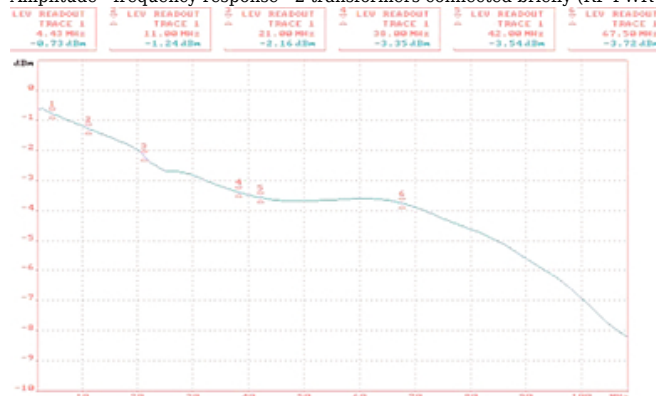
H) brown - camera signal (-)

Schematic diagram for audio channel:



OUR TESTS

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



OUR OPINIONS



- The transformer ensures full galvanic separation for the audio signal, what eliminates interferences (hum) resulting from a ground loop.

PACKAGE

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