

Code: TR-1/PVD*P2

VIDEO BALUN TR-1/PVD*P2

Net: 4.07 EUR Gross: 5.01 EUR

The set of two baluns designed to one video signal transmission, power sending and DATA channel transmission (i.e.: RS-485) via twisted-pair cable (UTP, FTP). 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.

**SPECIFICATION**

In package:	2 pcs The price for package
Standard:	<ul style="list-style-type: none"> • AHD - 8 Mpx 4K UHD, • HD-CVI - 8 Mpx 4K UHD, • HD-TVI - 8 Mpx 4K UHD, • CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	<ul style="list-style-type: none"> 1 x Video 1 x DC 1 x DATA
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
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
Attenuation:	<ul style="list-style-type: none"> • 4.43 MHz @ 0.46 dB • 11 MHz @ 0.68 dB • 21 MHz @ 0.98 dB • 38 MHz @ 1.72 dB • 42 MHz @ 1.82 dB • 67.5 MHz @ 2.00 dB
Symmetrical socket impedance:	100 Ω
Connectors type:	<ul style="list-style-type: none"> • Video - BNC, Plug with cable • Plug / Socket DC - 2.1 / 5.5 mm • DATA - pair of wires : Black + Red
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket
Permissible relative humidity:	< 95 %
Operation temp:	-20 °C ... 70 °C
Power supply distance:	<ul style="list-style-type: none"> • Power supply 12V DC 118 m @ 100 mA 79 m @ 150 mA 59 m @ 200 mA 47 m @ 250 mA
Weight:	0.04 kg
Dimensions:	63 x 33 x 25 mm

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PRESENTATION

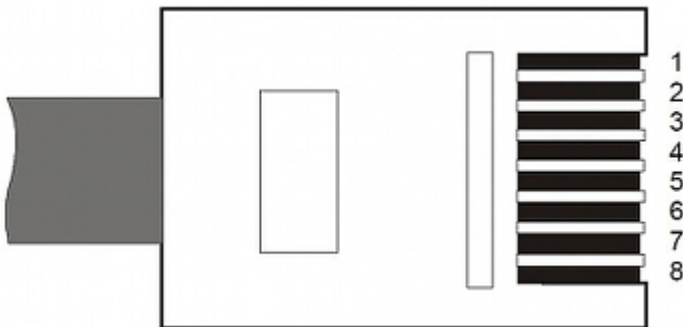


Device connectors:



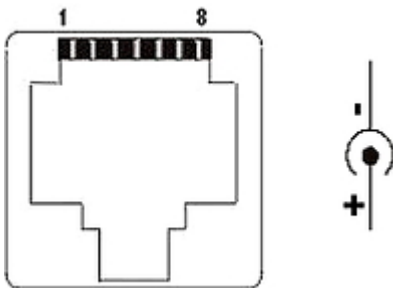
Wiring sequence inside the RJ-45 plug:





PVD standard

- 1) White/Orange - video signal (+)
- 2) Orange - video signal (-)
- 3) White/Green - (+) DATA ("R" red)
- 4) Blue - power supply (+)
- 5) White/Blue - power supply (+)
- 6) Green - (-) DATA ("B" black)
- 7) White/Brown - power supply (-)
- 8) Brown - power supply (-)



Power plug polarization
Transmission schematic diagram:



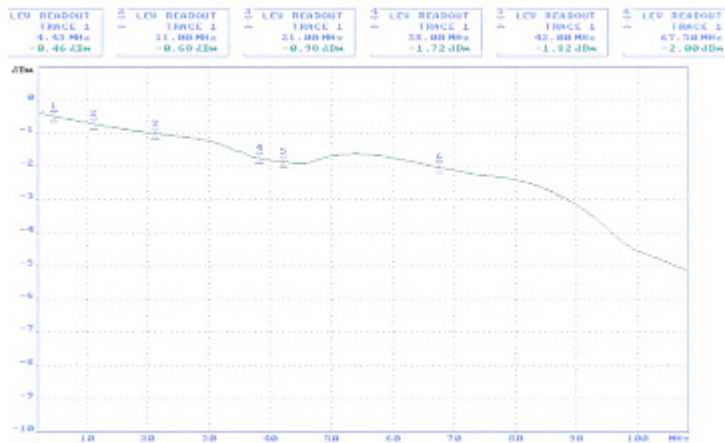
- 1) AHD, CVI, TVI, PAL
Package:





OUR TESTS

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



PACKAGE

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