

Code: TR-1PV/G

VIDEO BALUN TR-1PV/G

Net: 0.19 EUR Gross: 0.19 EUR

The TR-1PV/G is designed to video signals transmission and power supplying 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.

If the power connectors are not used, they can be used to DATA transmission.



SPECIFICATION

Standard:	• AHD-M - 720p, • CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	1 Video 1 DC
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Video transmission range:	• 250 m @ 720p - UTP cat. 5e • 400 m @ CVBS - PAL / NTSC - UTP cat. 5e
Attenuation:	• 4.43 MHz @ 0.96 dB • 11 MHz @ 1.66 dB • 21 MHz @ 3.27 dB • 38 MHz @ 33.23 dB • 42 MHz @ 31.77 dB • 67.5 MHz @ 5.42 dB
Symmetrical socket impedance:	100 Ω
Connectors type:	• Video - BNC Angular plug, • Power supply - Socket 2.1 / 5.5 mm
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket
Permissible relative humidity:	< 95 %
Operation temp:	-50 °C ... 55 °C
Power supply distance:	• Power supply 12V DC 118 m @ 100 mA 79 m @ 150 mA 59 m @ 200 mA 47 m @ 250 mA
Weight:	0.030 kg

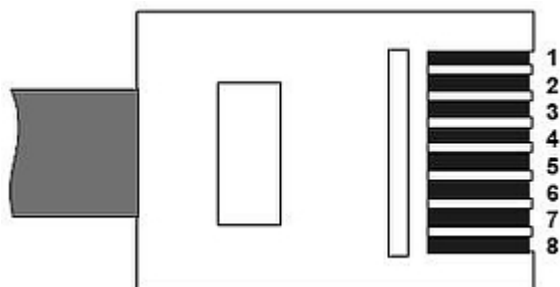
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Dimensions:	41 x 39 x 22 mm
Guarantee:	2 years

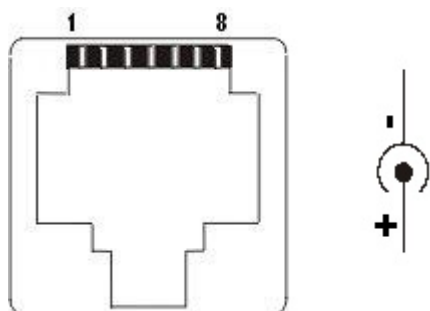
PRESENTATION



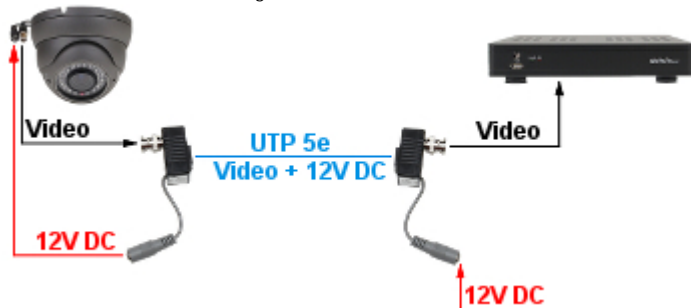
Wiring sequence inside the RJ-45 plug:



White/Orange - video signal (+)
 Orange - video signal (-)
 White/Green - NC (not connected)
 Blue - power supply (+)
 White/Blue - power supply (+)
 Green - NC (not connected)
 White/Brown - power supply (-)
 Brown - power supply (-)

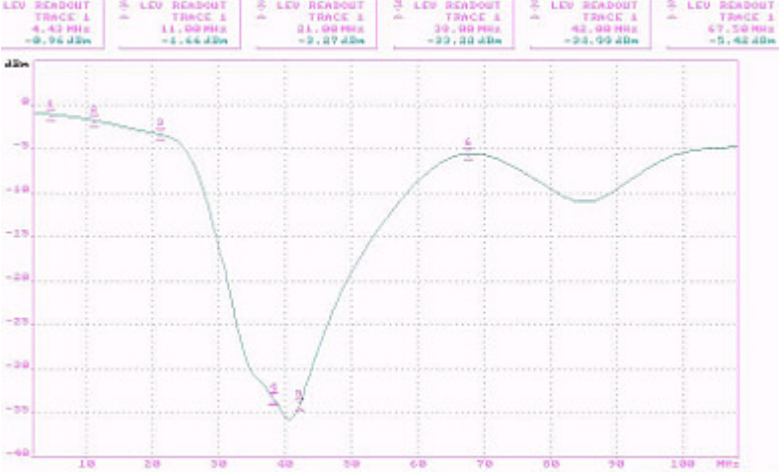


Transmission schematic diagram:



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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