

Code: TR-4M

# VIDEO BALUN TR-4M

Net: 12.00 EUR Gross: 14.76 EUR

The TR-4M 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.

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

All is placed inside metal housing.

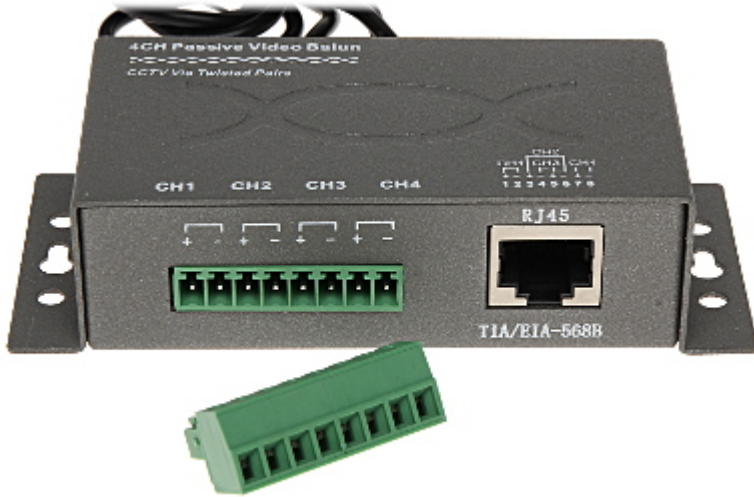


## SPECIFICATION

Standard:	<ul style="list-style-type: none"><li>• AHD - 5 Mpx,</li><li>• HD-CVI - 8 Mpx 4K UHD,</li><li>• HD-TVI - 8 Mpx 4K UHD,</li><li>• CVBS - PAL, NTSC</li></ul>
Device type:	Passive
Number of channels:	4 pcs Video
Video transmission range:	<ul style="list-style-type: none"><li>• 250 m @ 720p - UTP cat. 5e</li><li>• 150 m @ 1080p - UTP cat. 5e</li><li>• 400 m @ CVBS - PAL, NTSC - UTP cat. 5e</li></ul>
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Attenuation:	<ul style="list-style-type: none"><li>• 4.43 MHz @ 0.42 dB</li><li>• 11 MHz @ 0.71 dB</li><li>• 21 MHz @ 1.07 dB</li><li>• 38 MHz @ 1.41 dB</li><li>• 42 MHz @ 1.41 dB</li><li>• 67.5 MHz @ 2.32 dB</li></ul>
Isolation between inputs:	> -50 dB
CMRR (dB @ 5MHz):	60 dB
Coaxial socket impedance:	75 Ω
Symmetrical socket impedance:	100 Ω
Coaxial socket type:	4 x BNC Plug with cable
Symmetrical socket type:	Cable terminals / RJ-45 (8-pin, 4 pairs)
Operation temp:	-10 °C ... 70 °C
Permissible relative humidity:	< 95 %
Weight:	0.175 kg
Dimensions:	105 x 58 x 25 mm
Guarantee:	2 years

## PRESENTATION

Front view:



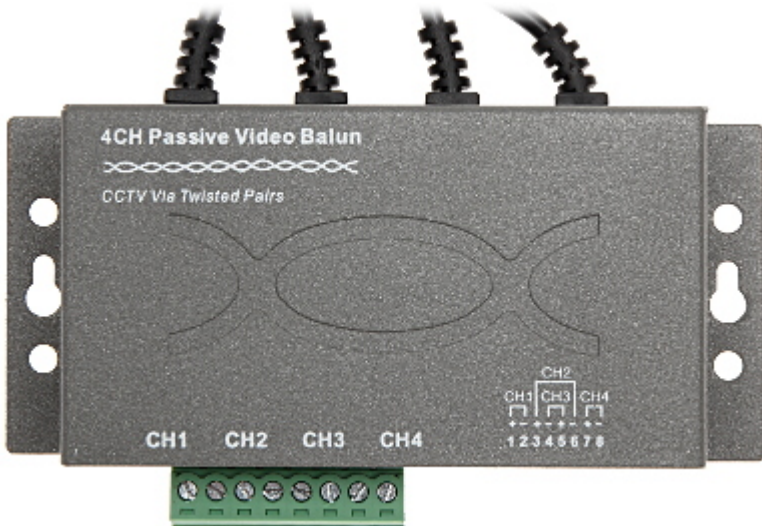
Rear view:



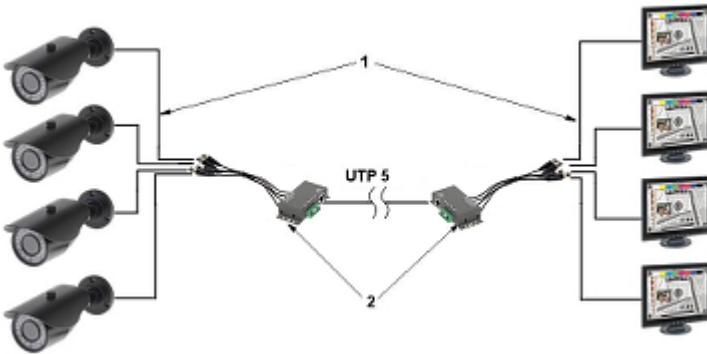
Connectors:



Top view:

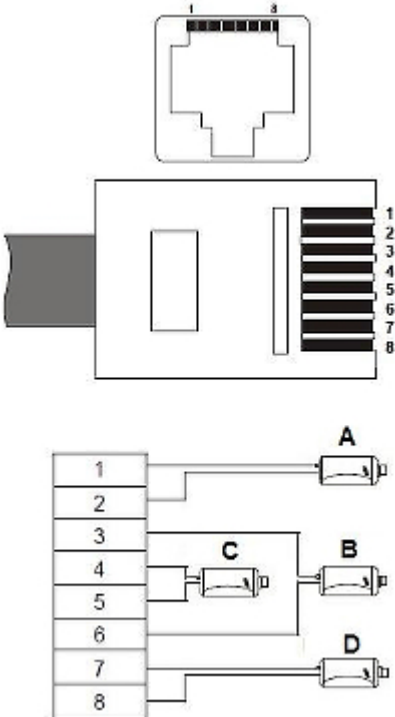


Example application for CVBS/PAL cameras:



- 1) Coaxial cable
- 2) TR-4M

Wiring sequence inside the RJ-45 plug. Plug wiring sequence is consistent with the T568B standard:

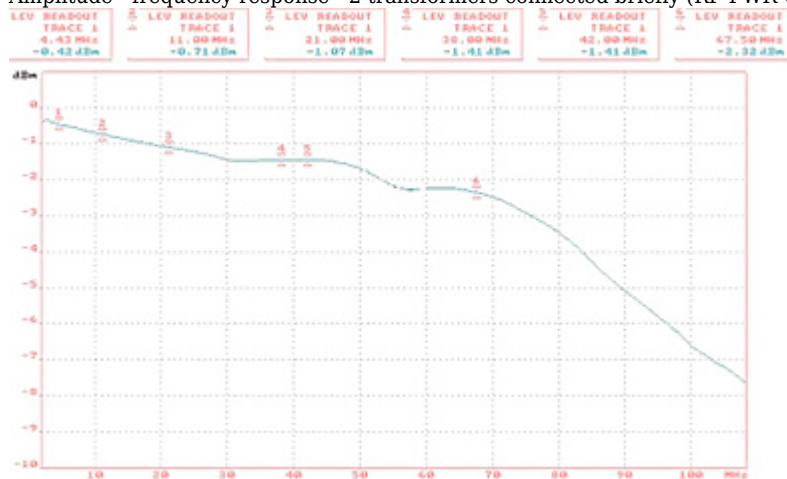


- 1) White/Orange - camera No.1 signal (+)
- 2) Orange - camera No.1 signal (-)
- 3) white/green - camera no.2 (+) signal
- 4) blue - camera no. 3 (-) signal
- 5) white/blue - camera no. 3 (+) signal
- 6) green - camera no. 2 (-) signal

- 7) white/brown - camera no. 4 (+) signal
- 8) brown - camera no. 4 (-) signal
- A) Camera 1
- B) Camera 2
- C) Camera 3
- D) Camera 4

**OUR TESTS**

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



Picture at transmission for 0 m distance:



Picture at transmission for 300 m distance:





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