Code: TR-8M

VIDEO BALUN **TR-8M**

Net: 76.00 PLN Gross: 93.48 PLN

The TR-8M 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:	• AHD - 5 Mpx, • HD-CVI - 8 Mpx 4K UHD, • HD-TVI - 8 Mpx 4K UHD, • CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	8 pcs Video
Video transmission range:	• 250 m @ 720p - UTP cat. 5e • 150 m @ 1080p - UTP cat. 5e • 400 m @ CVBS - UTP cat. 5e
Attenuation:	• 4.43 MHz @ 0.42 dB • 11 MHz @ 0.64 dB • 21 MHz @ 0.91 dB • 38 MHz @ 1.41 dB • 42 MHz @ 1.53 dB • 67.5 MHz @ 2.22 dB The attenuation applies to two devices connected to each other
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Isolation between inputs:	> -50 dB
CMRR (dB @ 5MHz):	60 dB
Coaxial socket impedance:	75 Ω
Symmetrical socket impedance:	100 Ω
Coaxial socket type:	8 x BNC Plug with cable
Symmetrical socket type:	Cable terminals / 2 x RJ-45 (8-pin, 4 pairs) Socket
Operation temp:	-10 °C ... 70 °C
Permissible relative humidity:	< 95 %
Weight:	0.32 kg
Dimensions:	185 x 58 x 25 mm
Guarantee:	2 years

PRESENTATION

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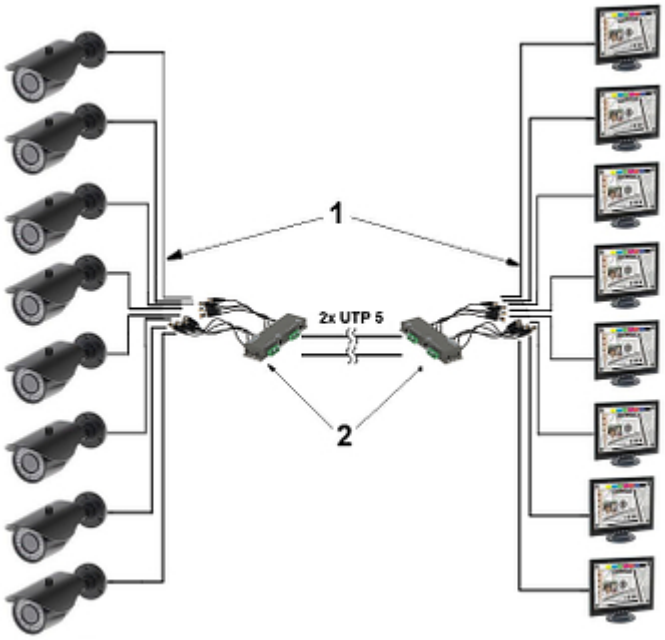
Front view:

All terminals are separable:

Rear view:

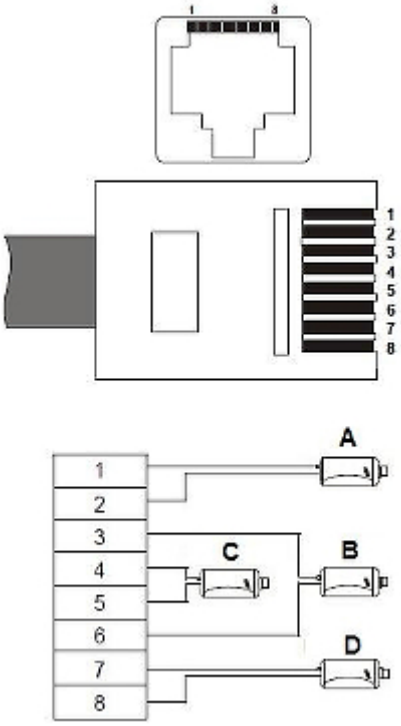
Top view:

Example application for CVBS/PAL cameras:



1) Coaxial cable
2) TR-8M

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

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