

Code: TR-16C/RACK

VIDEO BALUN TR-16C/RACK

Net: 52.13 EUR Gross: 52.13 EUR

The TR-16C/RACK is designed for 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.

Two devices must be used to build a complete channel for signal transmission. It is important to pay attention to linking the adequate terminals: (+) and (-). Reverse connection would cause distortion of image.



SPECIFICATION

Standard:	• CVBS - PAL, NTSC
Device type:	Passive
Number of channels:	16 pcs Video
Video transmission range:	• 400 m @ CVBS - PAL, NTSC - UTP cat. 5e
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Attenuation:	• 4.43 MHz @ 0.86 dB • 11 MHz @ 3.76 dB • 21 MHz @ 1.91 dB • 38 MHz @ 4.48 dB • 42 MHz @ 4.42 dB • 67.5 MHz @ 23.94 dB
Housing type:	19 " 1 U
CMRR (dB @ 5MHz):	50 dB
Coaxial socket impedance:	75 Ω
Symmetrical socket impedance:	100 Ω
Coaxial socket type:	16 x BNC Straight socket
Symmetrical socket type:	4 x RJ-45 (8-pin, 4 pairs) Socket 32 x Cable terminals
Operation temp:	-50 °C ... 55 °C
Permissible relative humidity:	< 95 %
Weight:	1.790 kg
Dimensions:	483 x 130 x 44 mm
Guarantee:	2 years

PRESENTATION

Front panel:



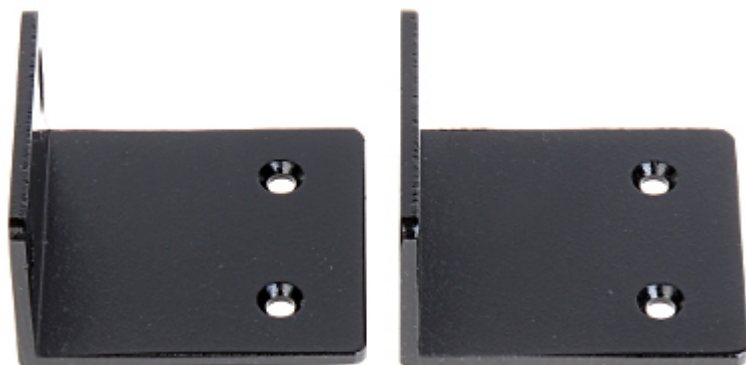
Rear panel:



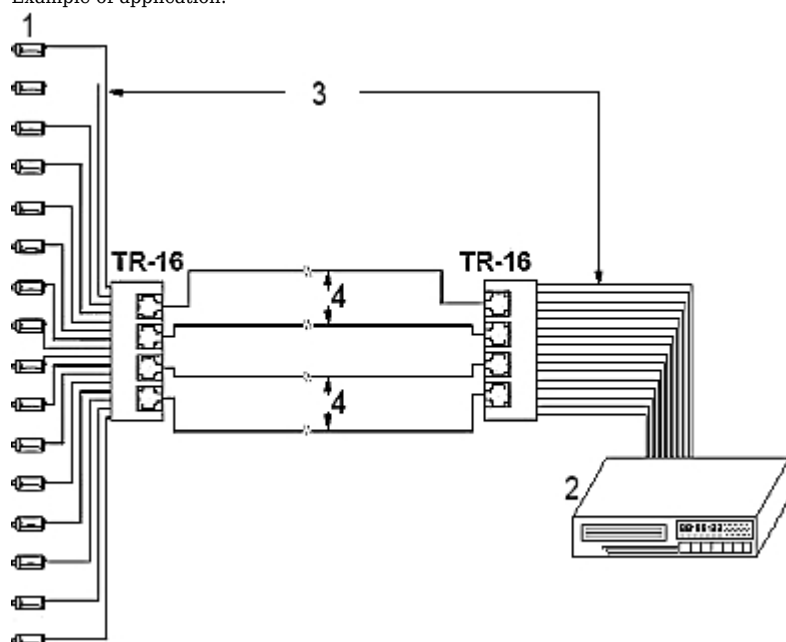
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In the kit:

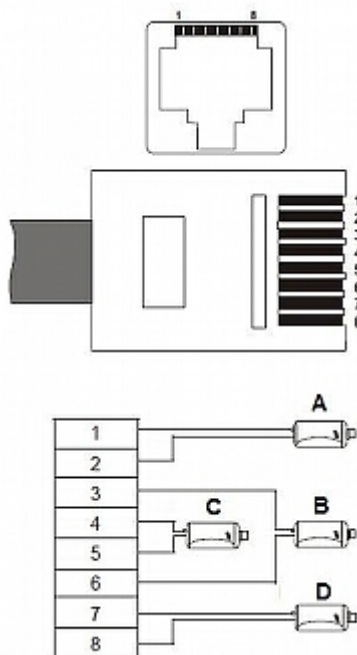


Example of application:



- 1) Cameras
- 2) DVR
- 3) Coaxial cable 75Ω
- 4) Twisted-pair cable

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):



OUR OPINIONS



- A major drawback of the transformer is the fact that it has not separated the masses of all signals.

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- When the potential difference appears between the masses, the usage of opto-isolation separators has no effect.

PACKAGE

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