

Code: TR-16/RACK

VIDEO BALUN TR-16/RACK

Net: 83.48 EUR Gross: 102.68 EUR

The TR-16/RACK 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.

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:	<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:	16 pcs Video
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
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Attenuation:	<ul style="list-style-type: none">• 4.43 MHz @ 0.71 dB• 11 MHz @ 1.26 dB• 21 MHz @ 1.89 dB• 38 MHz @ 4.00 dB• 42 MHz @ 4.59 dB• 67.5 MHz @ 4.41 dB
Isolation between inputs:	> -50 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 Socket
Symmetrical socket type:	4 x RJ-45 (8-pin, 4 pairs) Socket
Operation temp:	-50 °C ... 55 °C
Permissible relative humidity:	< 95 %
Weight:	1.143 kg
Dimensions:	483 x 130 x 44 mm
Guarantee:	3 years
Manufacturer / Brand:	DELTA

PRESENTATION



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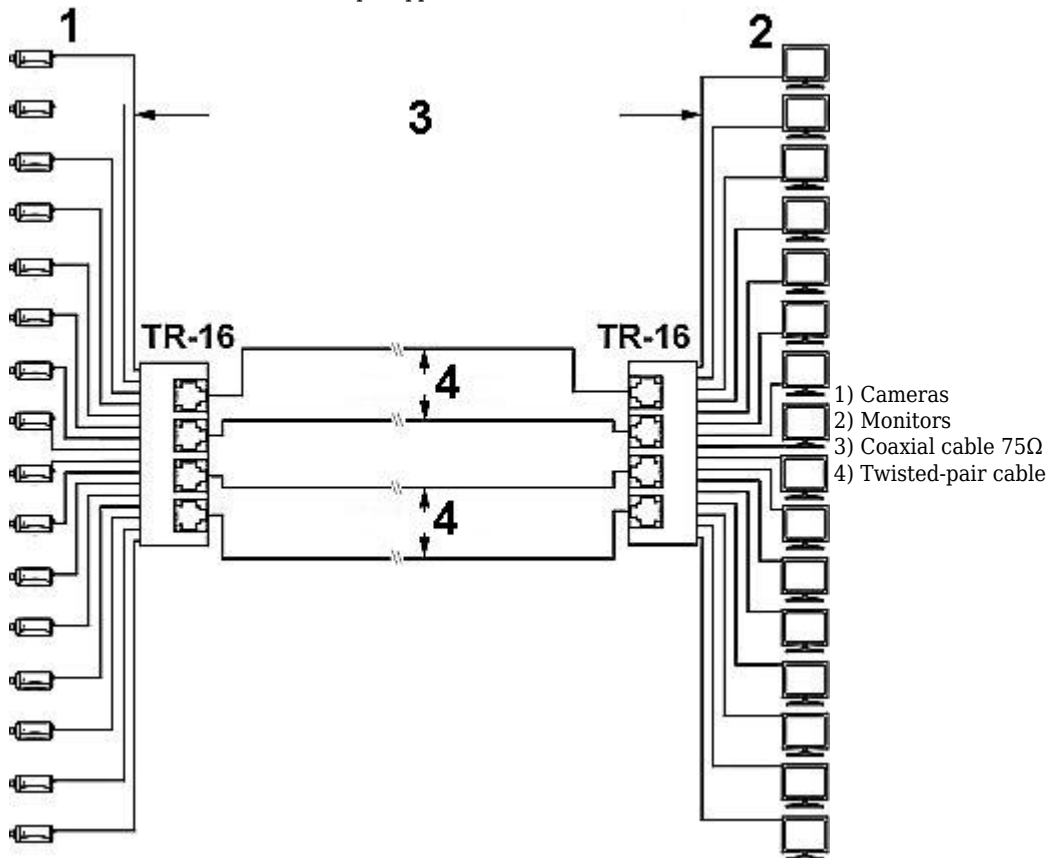
Front view:



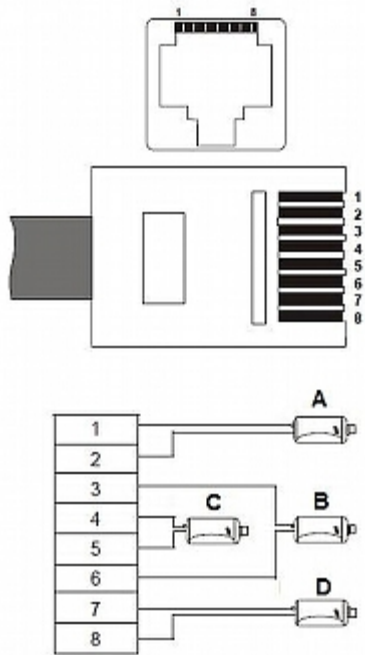
Rear view:



Example application for CVBS/PAL cameras:



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):

