

Code: TR-4P

VIDEO BALUN TR-4P

Net: 22.28 EUR Gross: 22.28 EUR

The TR-4P 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.

Designed to AHD, CVI, TVI, PAL cameras.



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:	4 pcs Video
Video transmission range:	• 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:	• 4.43 MHz @ 0.73 dB • 11 MHz @ 1.24 dB • 21 MHz @ 2.16 dB • 38 MHz @ 3.35 dB • 42 MHz @ 3.54 dB • 67.5 MHz @ 3.72 dB
Isolation between inputs:	> -50 dB
Manufacturer / Brand:	DELTA
CMRR (dB @ 5MHz):	50 dB
Coaxial socket impedance:	75 Ω
Symmetrical socket impedance:	100 Ω
Coaxial socket type:	4 x BNC Straight socket
Symmetrical socket type:	Cable terminals / RJ-45 (8-pin, 4 pairs) Socket
Operation temp:	-50 °C ... 55 °C
Permissible relative humidity:	< 95 %
Weight:	0.105 kg
Dimensions:	120 x 30 x 62 mm

DELTA-OPTI Monika Matysiak; <https://www.delta.poznan.pl>
POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

PRESENTATION

Front view:



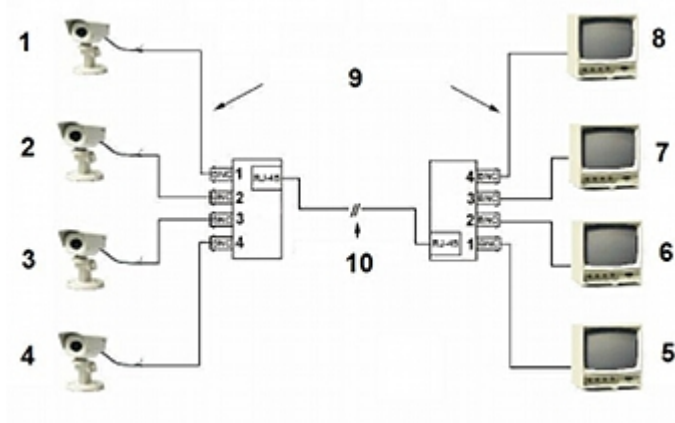
Rear view:



Top view:



Example application for CVBS/PAL cameras:



- 1) Camera 1
- 2) Camera 2
- 3) Camera 3
- 4) Camera 4
- 5) Monitor 1
- 6) Monitor 2

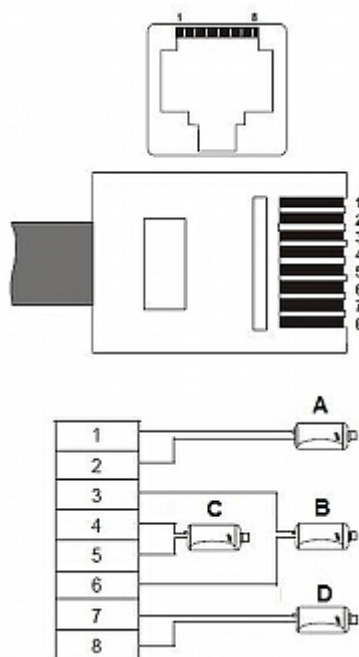
7) Monitor 3

8) Monitor 4

9) Coaxial cable 75Ω

10) 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

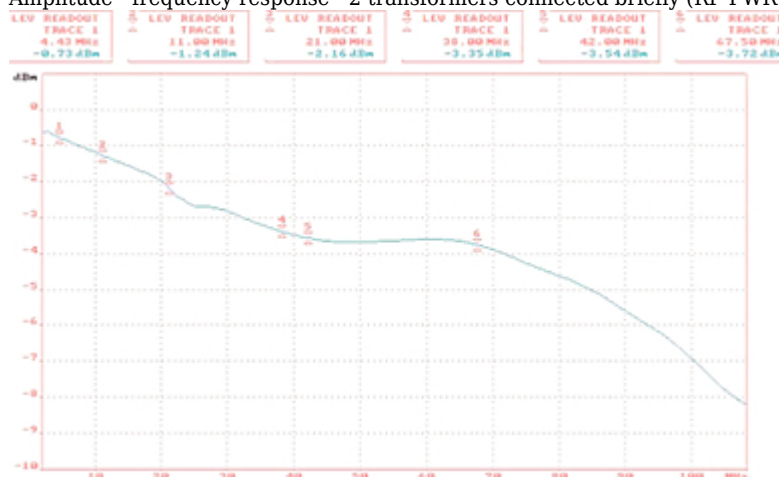
B) Camera 2

C) Camera 3

D) Camera 4

OUR TESTS

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



OUR OPINIONS



- A very important issue is that the mass signals are isolated from each other!.

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POL; 60-713 Poznań; Graniczna 10
e-mail: delta-opti@delta.poznan.pl; tel: +(48) 61 864 69 60

- **Lifetime warranty.**

PACKAGE

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