

Code: TR-16/SV

VIDEO BALUN **TR-16/SV** OPTO-ISOLATOR

Net: **351.16 EUR** Gross: **351.16 EUR**

The TR-16/SV is designed to video signal transmission via twisted-pair cable. Opto-isolation among input, output and power protects devices against potentials difference. The voltage difference between grounds may occur in the case of a long power line and powering the cameras with different power adapters.

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.



SPECIFICATION

Standard:	• CVBS - PAL, NTSC
Power supply:	230 V AC
Power consumption:	20 W
Device type:	Active
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
Video bandwidth:	0 ... 9 MHz (-3 dB)
Opto-isolation between inputs:	1000 V (peak)
Isolation between inputs:	> -50 dB
Opto-isolation between outputs:	1000 V (peak)
CMRR (dB @ 5MHz):	50 dB
Coaxial socket impedance:	75 Ω
Opto-isolation between inputs and outputs:	1000 V (peak)
Symmetrical socket impedance:	100 Ω
Opto-isolation between power and signal inputs / outputs:	1000 V (peak)
Coaxial socket type:	16 x BNC Straight socket
Symmetrical socket type:	4 x RJ-45 (8-pin, 4 pairs) Socket / Cable terminals
Operation temp:	-50 °C ... 55 °C
Permissible relative humidity:	< 95 %
Weight:	0.095 kg
Dimensions:	483 x 44 x 245 mm
Guarantee:	2 years

PRESENTATION

Front panel view:



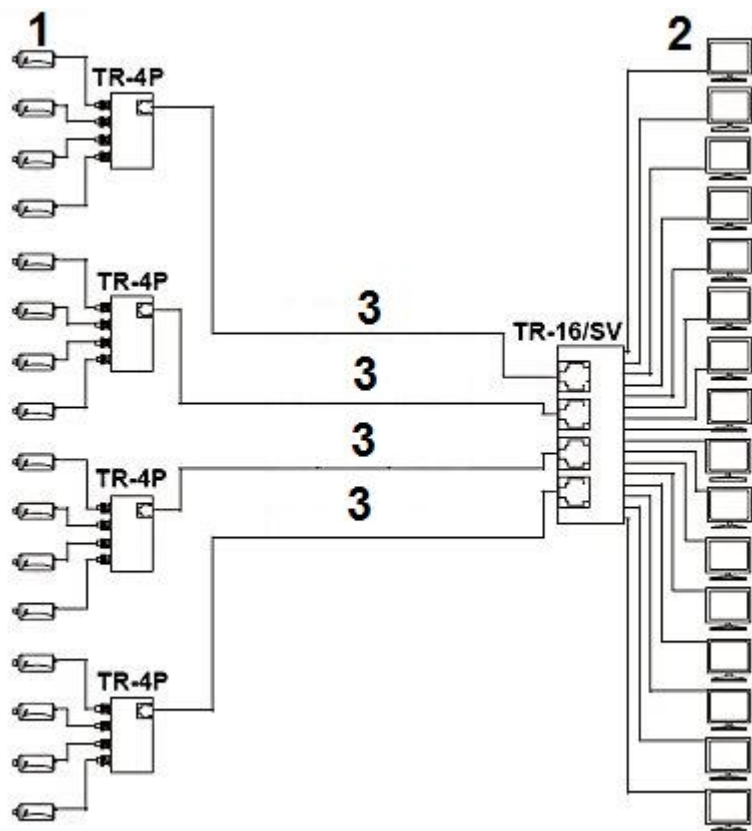
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Rear view:

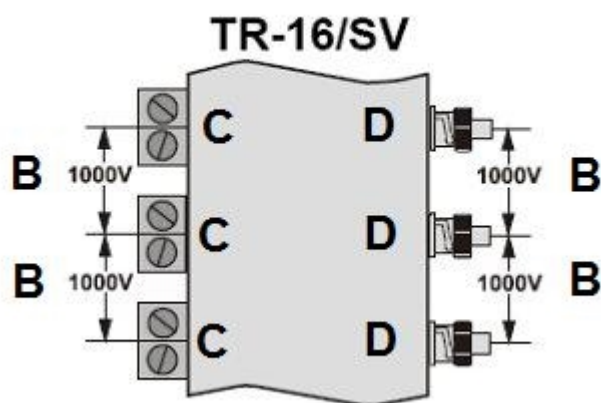
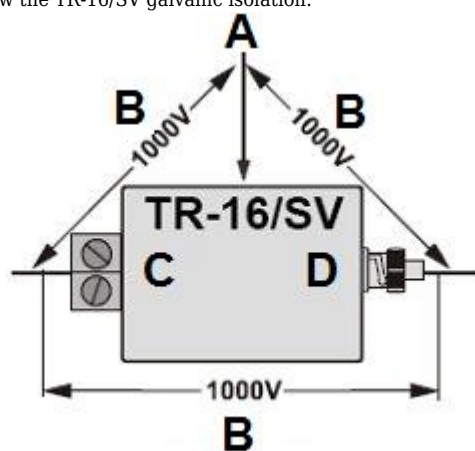


Connection diagram:



- 1) Cameras
- 2) Monitors
- 3) Twisted-pair cable

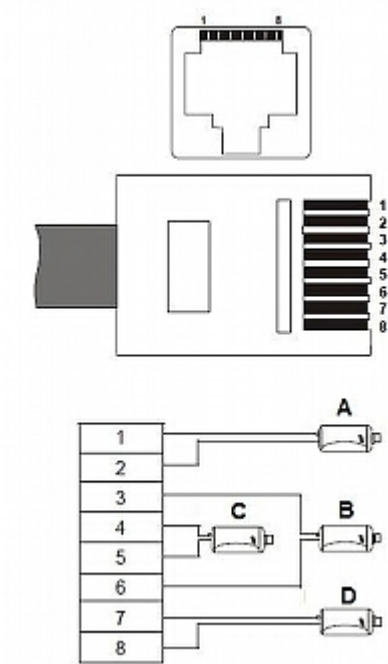
The pictures show the TR-16/SV galvanic isolation:



A) Power supply

- B) Isolation
- C) Input
- D) Output

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
- In the kit:



OUR OPINIONS



- Useful device if the installation is supplied from different phases of the mains.

PACKAGE

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