

Code: TR-1/SV

VIDEO BALUN **TR-1/SV** OPTO-ISOLATOR

The TR-1/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.



Standard:	• CVBS - PAL, NTSC
Video transmission range:	max. 400 m UTP cat. 5e
Device type:	Active
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Power supply:	12 V DC / 90 mA
Number of channels:	1
Video bandwidth:	0 ... 9 MHz (-3 dB)
CMRR (dB @ 5MHz):	50 dB
Coaxial socket impedance:	75Ω
Symmetrical socket impedance:	100Ω
Opto-isolation between input and output:	1000 V (peak)
Opto-isolation between power and signal inputs / outputs:	1000 V (peak)
Coaxial socket type:	BNC Straight socket
Symmetrical socket type:	Cable terminals
Operation temp:	$-50\text{ }^{\circ}\text{C}$... $55\text{ }^{\circ}\text{C}$
Permissible relative humidity:	< 95 %



DATA SHEET

Weight:	0.095 kg
Dimensions:	117 x 30 x 62 mm
Guarantee:	3 years
Manufacturer / Brand:	DELTA

