

Code: TR-1M/70

## VIDEO BALUN TR-1M/70

Net: 2.99 EUR Gross: 3.68 EUR

The TR-1M/70 is designed to video signals transmission and power supplying via twisted-pair cable (UTP, FTP). 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. Video signal is sent over one pair of a twisted-pair cable, the remaining three pairs are used for supplying DC 12V power. This is not consistent with the PVD standard, but this solution allows to sending the power to devices for long distances.

If the power connectors are not used, they can be used to DATA transmission. It is important to pay attention to linking the adequate terminals: (+) and (-).



### SPECIFICATION

Standard:	<ul style="list-style-type: none"><li>• AHD - 5 Mpx,</li><li>• HD-CVI - 8 Mpx 4K UHD,</li><li>• HD-TVI - 8 Mpx 4K UHD,</li><li>• CVBS - PAL, NTSC</li></ul>
Device type:	Passive
Number of channels:	1 Video 1 DC
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Video transmission range:	<ul style="list-style-type: none"><li>• 250 m @ 720p - UTP cat. 5e</li><li>• 150 m @ 1080p - UTP cat. 5e</li><li>• 400 m @ CVBS - PAL / NTSC - UTP cat. 5e</li></ul>
Attenuation:	<ul style="list-style-type: none"><li>• 4.43 MHz @ 0.62 dB</li><li>• 11 MHz @ 0.94 dB</li><li>• 21 MHz @ 1.3 dB</li><li>• 38 MHz @ 1.77 dB</li><li>• 42 MHz @ 1.9 dB</li><li>• 67.5 MHz @ 2.79 dB</li></ul>
Symmetrical socket impedance:	100 Ω
Connectors type:	BNC Angular plug Video Cable terminals DC
Symmetrical socket type:	Cable terminals

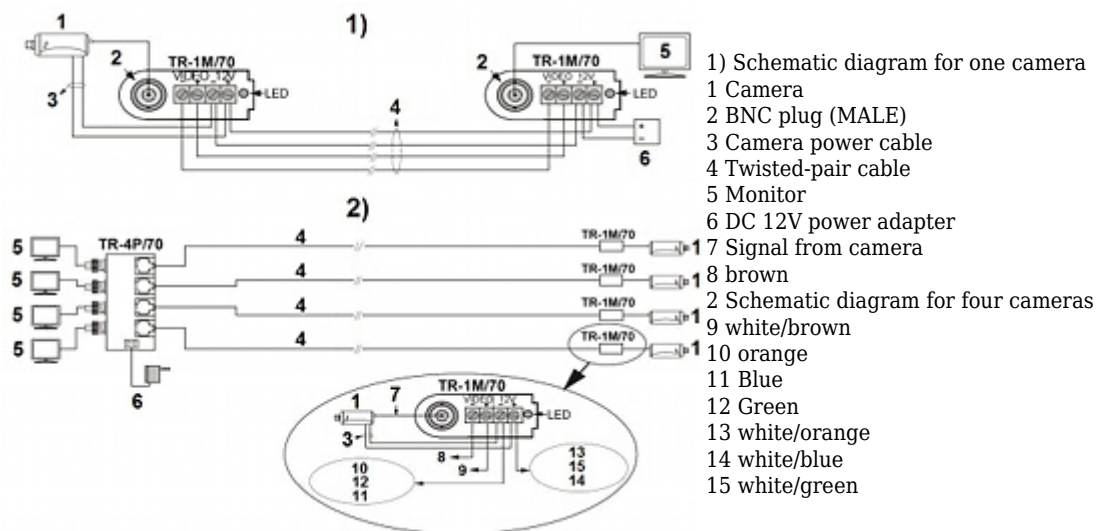
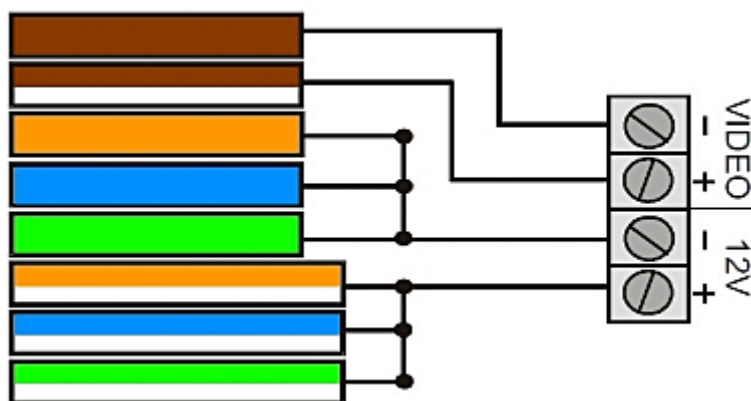
Power supply distance:	<ul style="list-style-type: none"> <li>• Power supply 12V DC</li> <li>353 m @ 50 mA</li> <li>235 m @ 75 mA</li> <li>176 m @ 100 mA</li> <li>141 m @ 125 mA</li> <li>117 m @ 150 mA</li> <li>88 m @ 200 mA</li> <li>70 m @ 250 mA</li> <li>58 m @ 300 mA</li> <li>50 m @ 350 mA</li> <li>44 m @ 400 mA</li> <li>39 m @ 450 mA</li> <li>35 m @ 500 mA</li> <li>29 m @ 600 mA</li> <li>25 m @ 700 mA</li> <li>22 m @ 800 mA</li> <li>19 m @ 900 mA</li> <li>17 m @ 1000 mA</li> </ul>
Weight:	0.024 kg
Dimensions:	49 x 38 x 20 mm
Guarantee:	<b>3 years</b>
Manufacturer / Brand:	DELTA

## PRESENTATION





Twisted-pair cable connection wiring sequence for TR-1M/70:



## OUR TESTS

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

