

Code: TR-16E/DC-RACK

## VIDEO BALUN **TR-16E/DC-RACK**

The TR-16E/DC-RACK 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 power.

The device consists of four independent modules (A, B, C and D - marked on the below picture), what allows to use it at different power configurations. Each module can be powered by a separate adapter eg 12V DC, 24V AC or 40V DC. With a single power supply voltage is applied to the four lines at the same time. The modules can be of course connected in parallel, what enables to use a single power supply adapter to 16 cameras powering.



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>
Input voltage:	max. 40 V DC max. 4 x 10 A
Device type:	Passive
Number of channels:	16 Video + DC
Coaxial socket voltage range 75Ω (CVBS):	1 Vpp
Output current:	max. 2.5 A @ 1 ... 16
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>
Output voltage:	max. 40 V
Attenuation:	<ul style="list-style-type: none"> <li>• 4.43 MHz @ 0.73 dB</li> <li>• 11 MHz @ 1.24 dB</li> <li>• 21 MHz @ 2.16 dB</li> <li>• 38 MHz @ 3.35 dB</li> <li>• 42 MHz @ 3.54 dB</li> <li>• 67.5 MHz @ 3.72 dB</li> </ul>
Main features:	On the device mainboard there are holes to cables mounting using cable ties
Symmetrical socket impedance:	100 Ω
Connectors type:	<ul style="list-style-type: none"> <li>• Video - 16 x BNC Socket</li> <li>• DC - Cable terminals</li> </ul>
Symmetrical socket type:	Cable terminals
Housing type:	RACK 19", 1U
Permissible relative humidity:	< 95 %
Operation temp:	-40 °C ... 55 °C



# DATA SHEET

Power supply distance:	<ul style="list-style-type: none"><li>• Power supply 12V DC</li></ul> <ul style="list-style-type: none"><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:	0.610 kg
Dimensions:	483 x 44 x 70 mm
Guarantee:	<b>3 years</b>
Manufacturer / Brand:	DELTA

