

## Warning!

Please read the user manual included in this work as it contains important information related with safety of installation and use of the device.

Only persons who read the user manual may use the device.

The user manual must be kept because it may be required in the future. The device is to be used exclusively for purposes specified in this user manual.

The device must be unpacked prior to starting-up. After removing the packaging make sure the device is in working order.

If the product has defects, it should not be used until it is repaired.

The product is intended for use at home and commercial use and may not be used for other than intended use.

The manufacturer is not liable for damages resulting from not adhering to the rules contained in the user manual, therefore, we recommend to follow the aforementioned safety rules for operation and maintenance of the device. In this way you will ensure yourself safety and avoid causing damage to the device.

The manufacturer and the supplier are not liable for losses or damages arising out of the product, including financial or intangible losses, loss of profits, income, data, pleasure from use of the product or other products related with it - indirect, incidental or consequential loss or damage. The above provisions apply whether the loss or damage concerns:

1. Deterioration of quality or the lack of operation of the products or products related with it due to damage as well as the lack of access to the product when it is undergoing repair, which results in stoppage the loss of user's time or a break in business activity;
2. Improper results of operation of the product or products related with it;
3. It applies to losses and damages according to any legal category, including negligence and other losses, termination of a contract, expressed or implied guarantee and strict liability (even if the manufacturer or the supplier was notified about the possibility of occurrence of such damages).

### Safety measures:

Particular attention at designing was directed to quality standards of the device where ensuring safety of operation is the most important factor.

The device must be secured against contact with caustic, staining and viscous fluids.

The TR-1AUZ transmitter/receiver (set) is designed to transmit video, audio signals and power via twisted-pair network cable.

If the power connectors are not used, they can be used to DATA transmission.



In package:

2 pcs The price for package



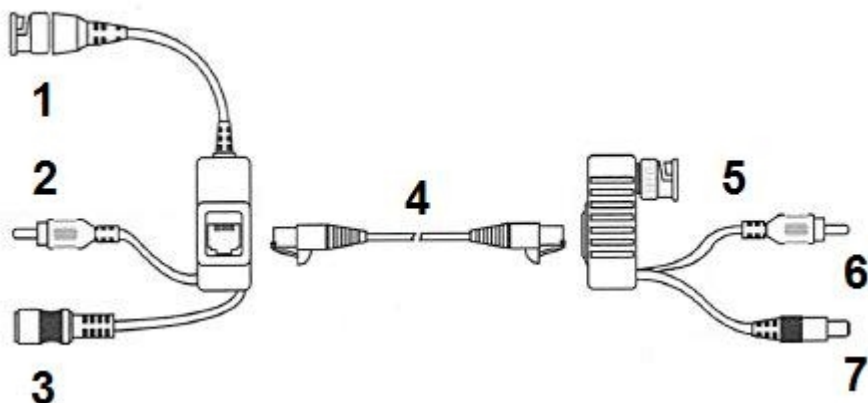
# User Manual

Code: TR-1AUZ  
VIDEO BALUN **TR-1AUZ**

Standard:	<ul style="list-style-type: none"><li>• AHD - 8 Mpx,</li><li>• HD-CVI - 8 Mpx 4K UHD,</li><li>• HD-TVI - 8 Mpx 4K UHD,</li><li>• CVBS - PAL, NTSC</li></ul>
Audio transmission range:	1200 m
Device type:	Passive
Number of channels:	1 Video , 1 AUDIO , 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>
Isolation between inputs:	> -50 dB Video / AUDIO
CMRR (dB @ 5MHz):	50 dB
Attenuation:	<ul style="list-style-type: none"><li>• 4.43 MHz @ 0.54 dB</li><li>• 11 MHz @ 0.87 dB</li><li>• 21 MHz @ 1.18 dB</li><li>• 38 MHz @ 1.56 dB</li><li>• 42 MHz @ 1.65 dB</li><li>• 67.5 MHz @ 2.17 dB</li></ul>
Coaxial socket impedance:	75 Ω Video 100 Ω AUDIO
Symmetrical socket impedance:	100 Ω Video 100 Ω AUDIO
Audio input nominal level:	1 Vpp
Audio output nominal level:	1 Vpp
Connectors type:	BNC Plug Video CINCH Plug AUDIO 2.1 / 5.5 mm Plug DC 2.1 / 5.5 mm Socket DC
Symmetrical socket type:	RJ-45 (8-pin, 4 pairs) Socket
Permissible relative humidity:	< 95 %
Operation temp:	0 °C ... 55 °C
Power supply distance:	<ul style="list-style-type: none"><li>• Power supply 12V DC</li></ul> 118 m @ 100 mA 79 m @ 150 mA 59 m @ 200 mA 47 m @ 250 mA
Guarantee:	2 years

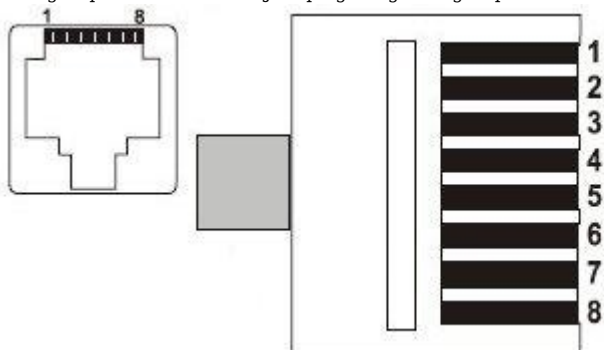


Connection diagram:



- 1) Video output
- 2) Audio output
- 3) 12V DC input
- 4) Twisted-pair cable
- 5) Video input
- 6) audio input
- 7) 12V DC output

Wiring sequence inside the RJ-45 plug. Plug wiring sequence is consistent with the T568B standard:



- 1) White/Orange - video signal (+)
- 2) Orange - video signal (-)
- 3) White/Green - audio (+)
- 4) Blue - power supply (+)
- 5) White/Blue - power supply (+)
- 6) Green - audio (-)
- 7) White/Brown - power supply (-)
- 8) Brown - power supply (-)

## PACKAGE

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