

TR-2P+2AU TWISTED PAIR AUDIO-VIDEO TRANSMITTER / RECEIVER

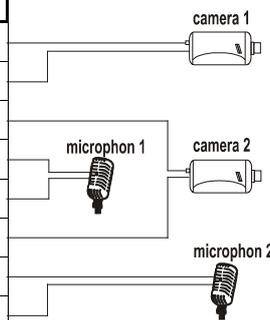
The TR-2P+2AU Transmitter/Receiver allows to transmit video signal from two cameras, and two audio signals by twisted pair cable. For the video signals the device adapts 75 ohms coaxial cable impedance to twisted pair cable impedance. It guarantees video signal transmission up to 400 metres. For the audio signals the device adapts 600 ohms microphone impedance to twisted pair impedance. It guarantees audio signal transmission up to 1200 metres.

The TR-2P+2AU Transmitter/Receiver is a passive device (no power supply need). We have to use two devices for complete channel transmission. One of them works as the transmitter unit and the second one works as the receiver unit. Audio Insertion Loss for 1200 metres (two devices + line) is 6 dB. Audio-Video signal transmission by twisted pair cable is better than Audio-Video signal transmission by coaxial cable, because this is a differential transmission. It means, the interferences are eliminated.

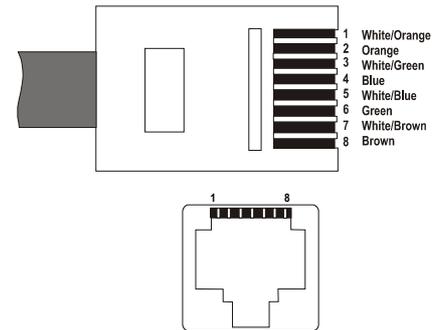
SPECIFICATION:

Maximal distance for video signal	400 metres
Maximal distance for audio signal	1200 metres
Video Insertion Loss	-0,5 dB (at f=5MHz)
Audio Insertion Loss	-1,75 dB (at f=1KHz)
Video Bandwidth	to 50MHz
Video and Audio Input/Output Separation	> -50 dB
Video Input/Output Impedance	75 ohms
Audio Input/Output Impedance	600 ohms (at f=1khz)
Twisted Pair Input/Output Impedance	100 ohms
Coaxial Cable Video Input/Output Socket Type	2 X BNC
Audio Input/Output Socket Type	2 X CINCH
Twisted Pair Input/Output Socket Type	RJ-45 (8 pins, 4 pair)
Size	117x64x30 mm
Weight	107g

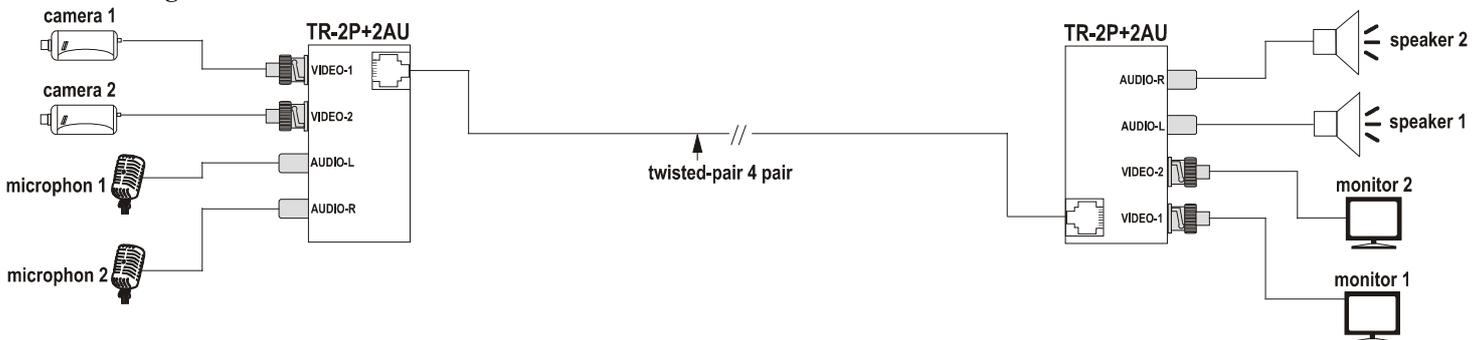
Pin No.	Colour	Use
1	White/Orange	(+) VIDEO-1 signal
2	Orange	(-) VIDEO-1 signal
3	White/Green	(+) VIDEO-2 signal
4	Blue	(-) AUDIO-L signal
5	White/Blue	(+) AUDIO-L signal
6	Green	(-) VIDEO-2 signal
7	White/Brown	(+) AUDIO-R signal
8	Brown	(-) AUDIO-R signal



RJ-45 CONNECTOR SPECIFICATION (compliance with standard T568B):



Schematic diagram 1:



Schematic diagram 2:

