

CODE: **P-TRPV4** v.1.0/I  
 TYPE: **P-TRPV4 passive HD video and power transmitter (4 channels)**

EN\*\*



**DESCRIPTION**

The P-TRPV4 is a 4-channel passive HD video and power transmitter using twisted pair cable. Four UTP cables are used to supply power and for video transmission from four cameras. One twisted pair is used to transmit a video signal, while the power is transmitted using two twisted pair cables. The mentioned devices match the impedance of the coaxial cable (75Ω) to the impedance of the symmetrical cable (100Ω). Usually, the module is mounted near the recorder. On the other hand, the P-TRPV120 1-channel passive transmitters are mounted at the cameras. The P-TRPV120 modules are not included (and must be purchased separately). An example diagram with both modules is shown in Figure 2.

In order to achieve the best transmission quality and interference immunity, use UTP cable cat. 5 (or higher). Make sure the cable is properly prepared when making the connection. The RJ45 terminal crimp diagram is shown in Figure 1 presented below.

Caution! An improperly made cable may cause damage to the camera.

The P-TRPV4 has:

- a) four RJ45 jacks for connecting the UTP cable
- b) jacks 2,5 / 5,5 power socket (camera power supply)
- c) four sets of connectors terminated with the BNC plug (HD-CVI / HD-TVI / AHD video transmission).

**TECHNICAL DATA**

<b>The video signal</b>	1,0V <sub>p-p</sub> , 75 Ω
<b>Video transmission range (UTP 5e or higher)</b>	HD-CVI (720p) - 450m; HD-CVI (1080p)-250m HD-TVI (720p / 1080p) - 250m AHD (720p / 960p)-350m; AHD (1080p)-250m
<b>Video bandwidth</b>	0 ... 50 MHz ( -3 dB )
<b>Impedance of the coaxial connector / connector type</b>	75 Ω / BNC plug (on the cable 100mm)
<b>Impedance of the unbalanced connector / connector type</b>	100 Ω / RJ45 socket
<b>Attenuation (loop-through)</b>	-0,5dB / 5MHz
<b>CMRR</b>	60dB / 5MHz
<b>The maximum permissible input voltage</b>	12-15VDC
<b>The maximum permissible current</b>	1A / channel ΣI=4A (for 12VDC)
<b>Operation temperature</b>	-10°C ÷ 55°C
<b>Storage temperature</b>	-40°C ÷ 60°C
<b>Permissible relative humidity</b>	<95%
<b>Dimensions</b>	104 × 26 × 47mm (with cable - 180mm length)
<b>Net / gross weight</b>	0,22kg
<b>Declarations, warranty</b>	CE, one year from the production date