

CODE: **P-TRPV4** v.1.0/II
 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).

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.

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

The video signal	1,0V _{p-p} , 75 Ω
Video transmission range (UTP 5e or higher)	HD-CVI (720p) - 450m; HD-CVI (1080p)-250m HD-TVI (720p / 1080p) - 250m AHD (720p / 960p)-350m; AHD (1080p)-250m
Video bandwidth	0 ... 50 MHz (-3 dB)
Impedance of the coaxial connector / connector type	75 Ω / BNC plug (on the cable 100mm)
Impedance of the unbalanced connector / connector type	100 Ω / RJ45 socket
Attenuation (loop-through)	-0,5dB / 5MHz
CMRR	60dB / 5MHz
The maximum permissible input voltage	12-15VDC
The maximum permissible current	1A / channel ΣI=4A (for 12VDC)
Device DC power socket type	JACK 2.5/5.5mm
DC power coupling connector	DC plug 2.5/5.5mm / socket 2.1/5.5mm
Operation temperature	-10°C ÷ 55°C
Storage temperature	-40°C ÷ 60°C
Permissible relative humidity	<95%
Dimensions	104 × 26 × 47mm (with cable - 180mm length)
Net / gross weight	0,22kg
Declarations, warranty	CE, one year from the production date

REMARK:

DC power plug 2.5/5.5 / socket 2.1/5.5 connector is included