

CODE: **P-TRPV1** v.1.1/II  
 TYPE: **P-TRPV1 set of passive HD video and power transmitters**

EN\*\*



## DESCRIPTION

The P-TRPV1 is a set of passive devices used for HD video and power transmission using a twisted pair cable.

The video signal is transmitted using one twisted pair, while the power is supplied using two twisted pair cables. The set of devices matches the impedance of the coaxial cable (75Ω) to the impedance of the symmetrical cable (100Ω). 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-TRPV1 modules are terminated with two types of connectors:

- the BNC plug (HD-CVI / HD-TVI / AHD video transmission),
- JACK 2,1 / 5,5 power socket (camera power supply).

The module is equipped with LED (located indoor the RJ45 connector). Red LED indicating the supply voltage.

## TECHNICAL DATA

<b>The video signal</b>	1,0 V <sub>p-p</sub> , 75 Ω		
<b>Video transmission range (UTP 5e or higher)</b>	HDCVI	720p	450m
		1080p	250m
		3 / 4 / 8 Mpx	180m
	HD-TVI	720p	230m
		1080p	230m
		3 / 4 / 5 / 8 Mpx	200m
	AHD	720p	320m
		1080p	200m
		3 / 4 / 5 / 8 Mpx	200m
	CVBS	960H	450m
<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>	12-15 V DC		
<b>The maximum permissible current</b>	1 A (for 12 V)		
<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>	22 × 10 × 40mm (with cable - 180mm length)		
<b>Net / gross weight</b>	0,075kg		
<b>Declarations, warranty</b>	CE, one year from the production date		