

CODE: **P-TR1HD** v.1.0/II

EN**

TYPE: **P- TR1HD Set of passive video HD transmitters with BNC plug on the cable**

DESCRIPTION

The P-TR1HD is a set of passive devices for video transmission using twisted-pair cable. These elements match the impedance of the coaxial cable (75Ω) to the impedance of the symmetrical cable (100Ω).

In order to obtain the best quality of transmission and interference resistance the UTP cable Cat. 5 (or higher) is recommended. When connecting, make sure that the transmission uses cables from the same twisted pair and properly connect the cables to the screw terminals, "+" to "+" and "-" to "-".

Improper connection will result in image distortion.

The P-TR1HD is ended with BNC plug on the cable. Such design allows easy connection of these elements to devices, where the sockets are arranged close to each other.

TECHNICAL DATA

The video signal	1,0V _{p-p} , 75Ω		
Video transmission range	HD-CVI	720p	400m
		1080p	230m
		3 / 4 Mpx	160m
	HD-TVI	720p	200m
		1080p	200m
		3 / 4 / 5 Mpx	180m
	AHD	720p	320m
		1080p	200m
	CVBS	3 / 4 / 5 Mpx	180m
		960H	400m
Video bandwidth	0 ... 50 MHz (-3 dB)		
Impedance of the coaxial connector / connector type	75 Ω / BNC plug (using the 100mm cable)		
Impedance of the unbalanced connector / connector type	100 Ω / screw terminals		
Attenuation (loop-through)	-0,5dB / 5MHz		
CMRR	60dB / 5MHz		
Operation temperature	-20°C ÷ 55°C		
Storage temperature	-40°C ÷ 60°C		
Permissible relative humidity	<95%		
Dimensions	15 × 15 × 47mm (with cable - 155mm length)		
Net / gross weight	0,04kg		
Declarations, warranty	CE, one year from the production date		

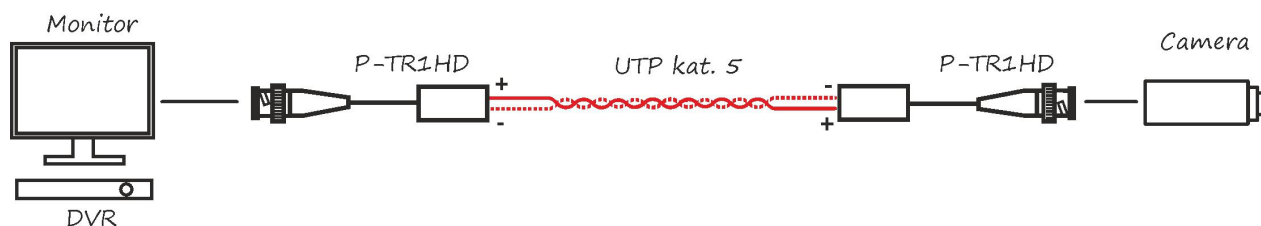


Fig. 1. Video image transmission using twisted-pair cable