

TP1001LH, TP1001PD, TP1001K, TP1001PK

Passive UTP Video Transceivers



TP1001LH Video Transceiver with extra interference rejection. Built in a highly balanced mode of video transmission, which is immune to interference from sources of electrical noise: data signals, other video signals, power cables, ringing telephones, fluorescent lights, transformers, etc.



TP1001PD Video Transceiver, Data and Power combiner. Built in PCT fuse for short circuit protection. The main restriction of distance of transmission is the power required for the camera. Power can be transmitted using 2 pairs of wires in the cable.



TP1001K Video Transceiver Pair. BNC connectors fixed on one and flexible cable on the other transceiver.



TP1001PK Video Transceiver Pair. Video and power down one Cat5 cable. Male and female power connectors. Transmission distance is limited by the camera power requirements. Power can be transmitted using 3 pairs of wires in the cable.

All Transceivers can transmit colour video signals for a maximum of 350 meters when used with another Transceiver or up to 800 meters for the TP1001LH used with an active receiver, TA1001R for example.

Voltage Output According to Cable Length (24AWG):

Voltage Range	DC12V			100M			300M		
	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR
50mA	11.4	11.7	11.8	10.8	11.3	11.6	9.6	10.6	11
100mA	11	11.5	11.5	9.7	10.8	11.2		9.2	10.1
150mA	10.5	11.2	11.3	9	10.4	10.9			9.3
200mA		11	11.2		9.9	10.6			
250mA		10.7	11		9.4	10.2			
300mA		10.5	10.8			9.9			
350mA		10.3	10.6			9.7			
400mA		10	10.4			9.4			
450mA		9.6	10.2						
500mA		9.2	9.8						

Voltage Range	DC24V			100M			300M		
	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR
50mA	23.8	23.8	23.8	23	23.5	23.6	21	22.4	23
100mA	23.6	23.4	23.5	22.4	23.1	23.3	18.7	21.1	22.2
150mA	22.6	23.2	23.3	21.3	22.6	22.9	16.2	20	21.3
200mA	22.1	22.9	23.1	20.3	22	22.5	13.7	18.1	20.5
250mA	21.6	22.6	22.9	19.4	21.6	22.2	10.9	17.4	19.6
300mA	21.1	22.4	22.7	18.4	21.2	21.9	X	16.1	18.8
350mA	20.6	22.1	22.5	17.5	20.6	21.6	X	15	18.1
400mA	20.2	21.8	22.3	16.5	20.1	21.2	X	13.9	17.3
450mA	19.7	21.6	22.1	15.5	19.6	20.9	X	12.7	16.6
500mA	19.1	21.3	21.9	14.5	19.1	20.5	X	11.3	15.4



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compliant