

# DIY KITS : NETWORK CABLE TRANSMISSION

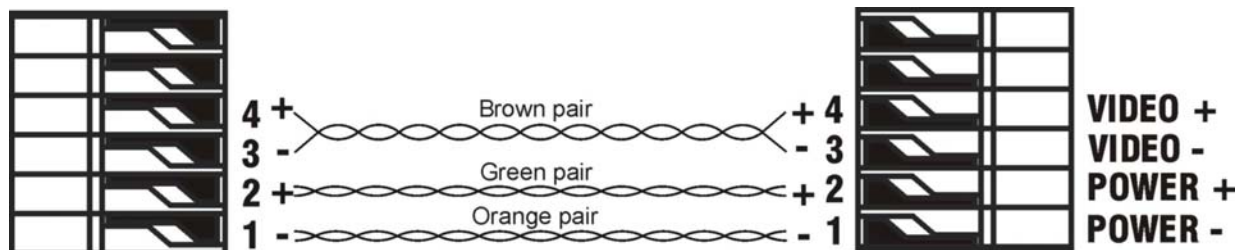
**ITEM NO.:** TTP111VPK-T

**Features:**

- Send Video & power over one CAT-5E UTP cable, Add you own power supply.
- 6 pin terminal connector for easy connections.
- Send color video signals up to 300 meters; B/W to 600 meters
- Power cable could be one, two, or three pairs option based on camera power consumption and transmission range.
- Refer the page 2. "Voltage Drop According to Cable Length" for power transmission range.

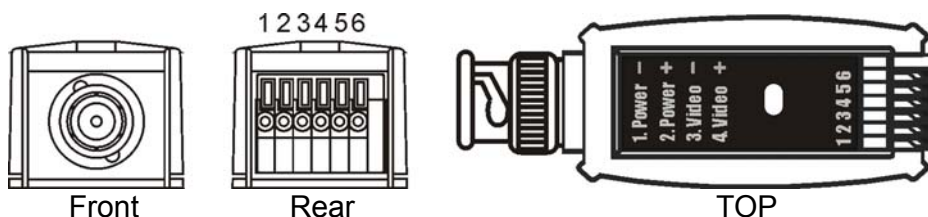


**Installation View:**



Note: The Blue pair can be split and used to supplement the conductors on terminals 1 & 2 to extend the power transmission distance.

**Panel View:**



**Specification:**

<b>ITEM NO.</b>	<b>TTP111VPK-T</b>
VIDEO INPUT	1V p-p, 75 Ohms
TRANSMISSION DISTANCE	600M(B/W), 300M(COLOR)
REQUIRED CABLE	Twisted Pair CAT-5E (AWG24)
POWER	Pass Through
DIMENSIONS    W x H x D mm	69x25x22

**Voltage Drop According to Cable Length (24AWG):**

Power Range	Power Supply Voltage 12 Volts DC								
	50M			100M			300M		
Camera Power Consumption	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR

<b>50mA</b>	11.4	11.7	11.8	10.8	11.3	11.6	9.6	10.6	11
<b>100mA</b>	11	11.5	11.5	9.7	10.8	11.2		9.2	10.1
<b>150mA</b>	10.5	11.2	11.3	9	10.4	10.9			9.3
<b>200mA</b>		11	11.2		9.9	10.6			
<b>250mA</b>		10.7	11		9.4	10.2			
<b>300mA</b>		10.5	10.8			9.9			
<b>350mA</b>		10.3	10.6			9.7			
<b>400mA</b>		10	10.4			9.4			
<b>450mA</b>		9.6	10.2						
<b>500mA</b>		9.2	9.8						

<b>Power Range</b>	<b>Power Supply Voltage 15 Volts DC</b>											
	<b>50M</b>			<b>100M</b>			<b>300M</b>			<b>600M</b>		
<b>Camera Power Consumption</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>
<b>50mA</b>	14.4	14.7	14.8	13.8	14.3	14.6	11.9	13.6	14	X	12	12.9
<b>100mA</b>	14	14.5	14.5	12.7	13.8	14.2	X	12.2	13.1	X	X	11.1
<b>150mA</b>	13.5	14.2	14.3	12	13.4	13.9	X	11.1	12.3	X	X	X
<b>200mA</b>	12.6	14	14.2	11.3	12.9	13.6	X	X	11.5	X	X	X
<b>250mA</b>	12.1	13.7	14	10.3	12.4	13.2	X	X	X	X	X	X
<b>300mA</b>	11.8	13.5	13.8	X	12	12.9	X	X	X	X	X	X
<b>350mA</b>	11.3	13.3	13.7	X	11.7	12.7	X	X	X	X	X	X
<b>400mA</b>	10.8	13	13.5	X	11.2	12.4	X	X	X	X	X	X
<b>450mA</b>	X	12.7	13.3	X	10.7	12.1	X	X	X	X	X	X
<b>500mA</b>	X	12.4	13.1	X	X	11.6	X	X	X	X	X	X

<b>Power Range</b>	<b>Power Supply Voltage 24 Volts DC</b>											
	<b>50M</b>			<b>100M</b>			<b>300M</b>			<b>600M</b>		
<b>Camera Power Consumption</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>	<b>1 PAIR</b>	<b>2 PAIR</b>	<b>3 PAIR</b>
<b>50mA</b>	23.8	23.8	23.8	23	23.5	23.6	21	22.4	23	18.1	21.2	22.1
<b>100mA</b>	23.6	23.4	23.5	22.4	23.1	23.3	18.7	21.1	22.2	12.9	18.7	20.4
<b>150mA</b>	22.6	23.2	23.3	21.3	22.6	22.9	16.2	20	21.3	X	16.1	18.9
<b>200mA</b>	22.1	22.9	23.1	20.3	22	22.5	13.7	18.1	20.5	X	13.5	17.1
<b>250mA</b>	21.6	22.6	22.9	19.4	21.6	22.2	10.9	17.4	19.6	X	11.1	15.4
<b>300mA</b>	21.1	22.4	22.7	18.4	21.2	21.9	X	16.1	18.8	X	X	13.8
<b>350mA</b>	20.6	22.1	22.5	17.5	20.6	21.6	X	15	18.1	X	X	12.2
<b>400mA</b>	20.2	21.8	22.3	16.5	20.1	21.2	X	13.9	17.3	X	X	10.7
<b>450mA</b>	19.7	21.6	22.1	15.5	19.6	20.9	X	12.7	16.6	X	X	X
<b>500mA</b>	19.1	21.3	21.9	14.5	19.1	20.5	X	11.3	15.4	X	X	X

**AC24V Power Distance Chart over UTP cable:**

<b>CAT5 Cable (24AWG)</b>	<b>Range</b>
<b>2 PAIRS/AC24V</b>	
<b>100 mA</b>	<b>300 Meters</b>
<b>300mA</b>	<b>100 Meters</b>
<b>1 Amp</b>	<b>30 Meters</b>