

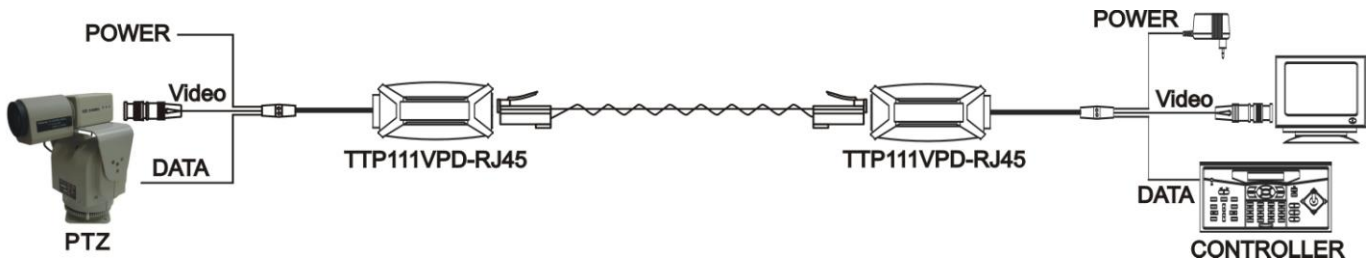
# TWISTED PAIR TRANSMISSION SYSTEM

**ITEM NO.:** TTP111VPD-RJ45-K (TTP111VPD-RJ45 + TTP111VPDJ-RJ45) VIDEO, POWER, DATA COMBINER

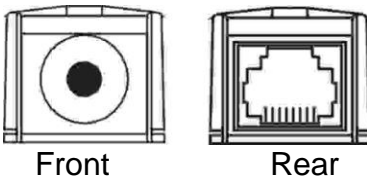


- TTP111VPD-RJ45-K: Male BNC with 2 mini-coax pigtail to RJ45 connector.
- Video, low voltage camera power, Data (RS485) transmission over one standard CAT 5 cable.
- Built in PTC fuse for short protection.
- Application for color video signal up to 300 meters.
- Use with TDP016, TPP016-RJ45 for 16 channel video, power, data over professional CAT 5 RJ45 connection.

## Installation View:



## Panel View:



## RJ-45 Jack Pin Define

RJ - 45 Jack		
PIN	Color	Function
1	W-O	DATA +
2	O	DATA -
3	W-G	POWER -
4	BL	POWER +
5	W-BL	POWER -
6	G	POWER +
7	W-BR	Video +
8	BR	Video -

## Specification:

ITEM NO.	TTP111VPD-RJ45	TTP111VPDJ-RJ45
VIDEO (BNC Connector)	1 (1V p-p, 75 Ohms)	
TRANSMISSION DISTANCE	300M(Max)	
DATA Connector	1	
CABLE	Twisted Pair CAT5 (AWG24)	
POWER	DC Plug	DC Jack
TEMPERATURE	Operation: 0 to 55°C, Storage: -20 TO 85°C, Humidity: up to 95%	
DIMENSIONS W x H x D mm	53 x 25 x 20.7 + 250mm cable	
WEIGHT g	47	



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

Power	DC12V								
Range	50M			100M			300M		
Camera Power Consumption	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	DC15V											
Range	50M			100M			300M			600M		
Camera Power Consumption	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR	1 PAIR	2 PAIR	3 PAIR
50mA	14.4	14.7	14.8	13.8	14.3	14.6	11.9	13.6	14	X	12	12.9
100mA	14	14.5	14.5	12.7	13.8	14.2	X	12.2	13.1	X	X	11.1
150mA	13.5	14.2	14.3	12	13.4	13.9	X	11.1	12.3	X	X	X
200mA	12.6	14	14.2	11.3	12.9	13.6	X	X	11.5	X	X	X
250mA	12.1	13.7	14	10.3	12.4	13.2	X	X	X	X	X	X
300mA	11.8	13.5	13.8	X	12	12.9	X	X	X	X	X	X
350mA	11.3	13.3	13.7	X	11.7	12.7	X	X	X	X	X	X
400mA	10.8	13	13.5	X	11.2	12.4	X	X	X	X	X	X
450mA	X	12.7	13.3	X	10.7	12.1	X	X	X	X	X	X
500mA	X	12.4	13.1	X	X	11.6	X	X	X	X	X	X

Voltage	DC24V											
Range	50M			100M			300M			600M		
Camera Power Consumption	1 PAIR	2 PAIR	3 PAIR	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	18.1	21.2	22.1
100mA	23.6	23.4	23.5	22.4	23.1	23.3	18.7	21.1	22.2	12.9	18.7	20.4
150mA	22.6	23.2	23.3	21.3	22.6	22.9	16.2	20	21.3	X	16.1	18.9
200mA	22.1	22.9	23.1	20.3	22	22.5	13.7	18.1	20.5	X	13.5	17.1
250mA	21.6	22.6	22.9	19.4	21.6	22.2	10.9	17.4	19.6	X	11.1	15.4
300mA	21.1	22.4	22.7	18.4	21.2	21.9	X	16.1	18.8	X	X	13.8
350mA	20.6	22.1	22.5	17.5	20.6	21.6	X	15	18.1	X	X	12.2
400mA	20.2	21.8	22.3	16.5	20.1	21.2	X	13.9	17.3	X	X	10.7
450mA	19.7	21.6	22.1	15.5	19.6	20.9	X	12.7	16.6	X	X	X
500mA	19.1	21.3	21.9	14.5	19.1	20.5	X	11.3	15.4	X	X	X

	<b>CAT-5 Cable</b>	
<b>UTP CABLE AWG</b>	<b>24 AWG/2 pairs</b>	
<b>Power Supply Voltage</b>	<b>AC24V</b>	
<b>Camera Power Consumption</b>	100 mA	300 Meters
	300mA	100 Meters
	1AMP	30 Meters