

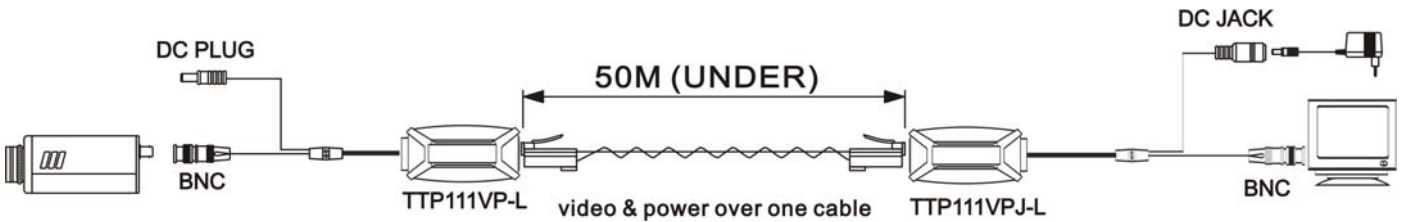
TWISTED PAIR TRANSMISSION SYSTEM

ITEM NO.: TTP111VPJ-L Video & Power Transceiver

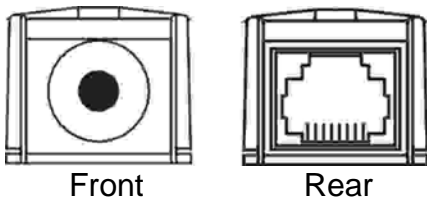
Features:

- To send video and power over one CAT 5 networking cable.
- RJ45 to BNC with DC power jack.
- Eliminate coaxial & power cable.
- Fast, easy installation, saving time and money.
- Substantial saving on the cost of the cable itself.

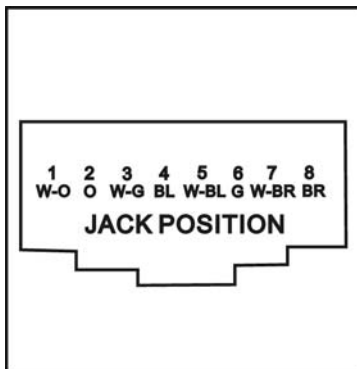
Installation View:



Panel View:



RJ-45 Jack Pin Define



RJ45 pin connect

- 1. Orange-white
- 2. Orange
- 3. Green-white → Power -
- 4. Blue → Power +
- 5. Blue-white → Power -
- 6. Green → Power +
- 7. Brown-white → Video
- 8. Brown → Video

Specification:

ITEM NO.	TTP111VPJ-L
VIDEO INPUT	1V p-p, 75 Ohms
TRANSMISSION DISTANCE	300M(Max)
REQUIRED CABLE	Twisted Pair CAT-5E (AWG24)
POWER	Pass Through
DIMENSIONS W x H x D mm	53 x 25 x 20.7 + 210 mm mini cable
WEIGHT g	45



Rev.B

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
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	DC15V											
	50M			100M			300M			600M		
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 Range	DC24V											
	50M			100M			300M			600M		
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

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