

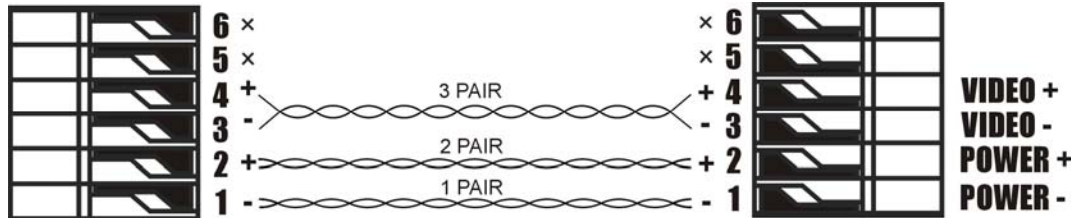
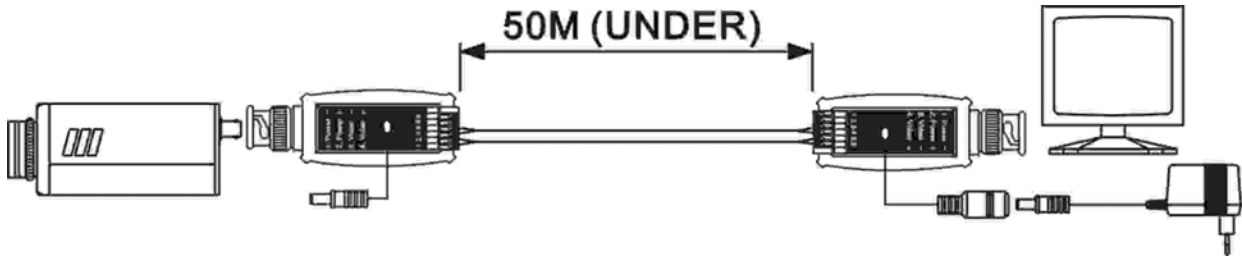
# TWISTED PAIR TRANSMISSION SYSTEM

**ITEM NO.:** VB110TK VIDEO, POWER COMBINER

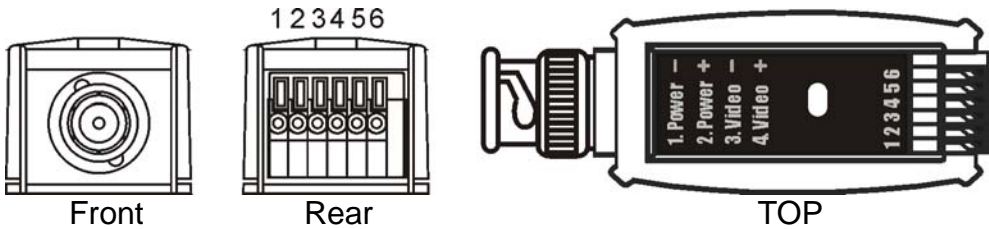
**Features:**

- VB110TK: Male BNC with 2 mini-coax pigtail to 6 “push pin” terminal.
- Video, camera power transmission over one standard CAT 5 cable.
- Application for color video signal up to 300 meters, B/W to 600 meters.

**Installation View:**



**Panel View:**



**Specification:**

<b>ITEM NO.</b>	<b>VB110TK</b>
VIDEO OUTPUT (BNC Connector)	1 (1V p-p, 75 Ohms)
VIDEO INPUT	Terminal
TRANSMISSION DISTANCE	600M(B/W), 400M(COLOR)
CABLE	Twisted Pair CAT5 (AWG24)
POWER	V
DIMENSIONS      W x H x D mm	69x25x20.5 with 20cm cable

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

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