

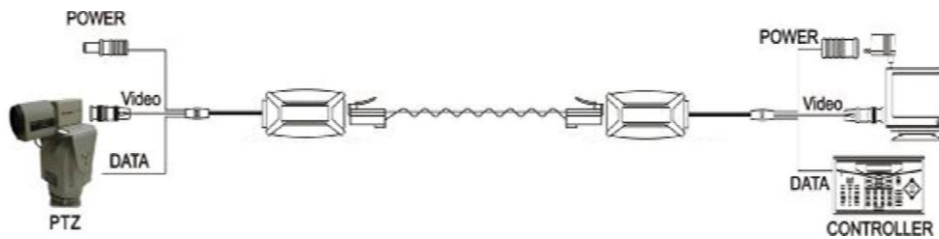
# TWISTED PAIR TRANSMISSION SYSTEM

## VIDEO, POWER, DATA COMBINER

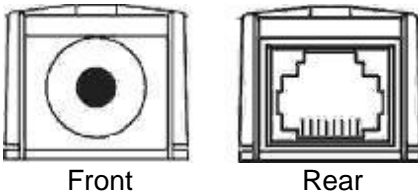
### Features:

- | Male BNC with 2 mini-coax pigtail to RJ45 connector.
- | Video, low voltage camera power, Data (RS422, 485) transmission over one standard CAT 5 cable.
- | Built in PTC fuse for short protection.
- | Application for color video signal up to 300 meters, B/W to 600 meters.
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### Installation View:



### Panel View:



### RJ-45 Jack Pin Define

		RJ - 45 Jack		
		PIN	Color	Function
<p style="font-size: small; margin: 0;">1 2 3 4 5 6 7 8 W-O O W-G BL W-BL G W-BR BR JACK POSITION</p>	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:

VIDEO (BNC Connector)		1 (1V p-p, 75 Ohms)
TRANSMISSION INTERFACE		RJ45
TRANSMISSION DISTANCE		600M(B/W), 300M(COLOR)
DATA Connector		1
CABLE		Twisted Pair CAT5 (AWG24)
POWER		V
DIMENSIONS	W x H x D mm	69x25x20.5 with 25cm 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	12.9	
100mA	14.4	14.5	14.5	12.7	13.8	14.2	X	12.2		X	11.1	
150mA	13.5	14.2 <sup>X</sup>	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