

TWISTED PAIR TRANSMISSION SYSTEM

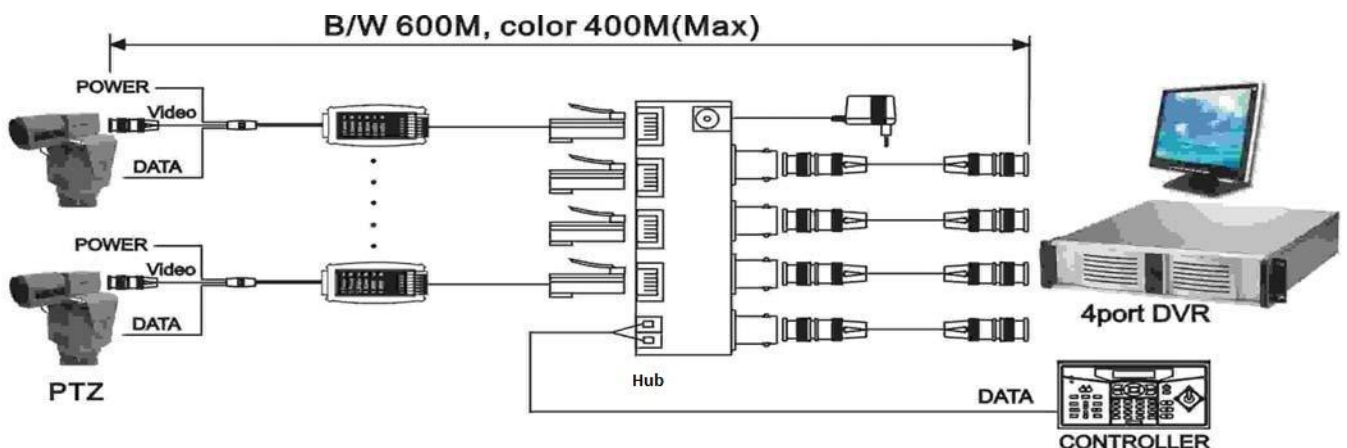
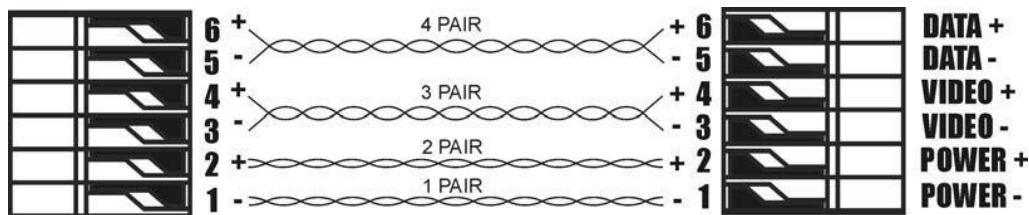
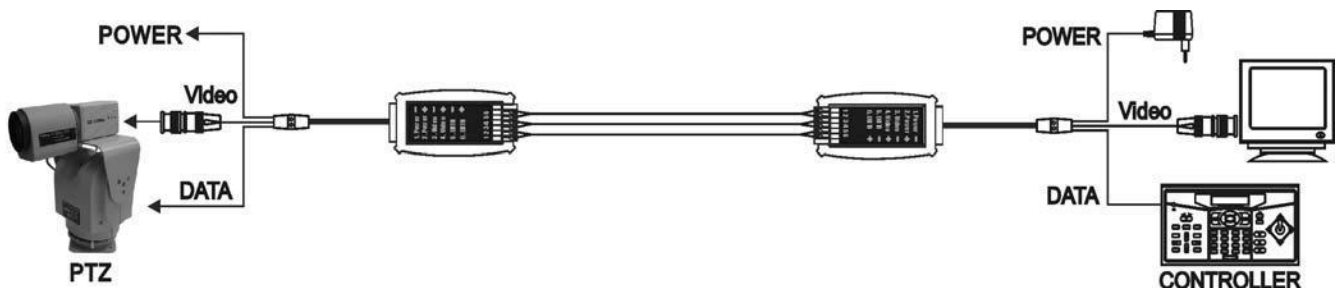
ITEM NO.: VIDEO, POWER, DATA COMBINER



Features:

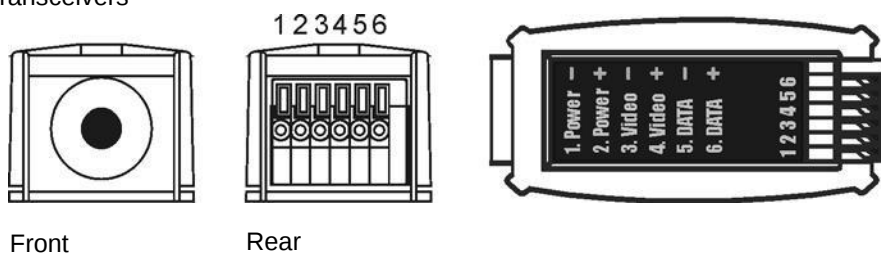
- z 1: Male BNC with 2 mini-coax pigtail to 6 "push pin" terminal.
- z 2: 4 x BNC female + DC power to 4 x RJ45 female + 2 pin terminal for DATA.
- z Video, camera power, Data (RS422, 485) transmission over one standard CAT 5 cable.
- z Built in PTC fuse for short protection.
- z Application for color video signal up to 300 meters, B/W to 600 meters.
- z Transmit 4 channels video, power, data over 4 CAT 5 cable.
- z Refer the page 3. "Voltage Drop According to Cable Length" for power transmission range.

Installation View:

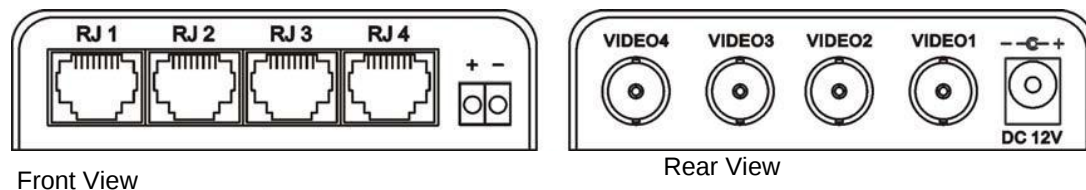


Panel View:

Transceivers



HUB



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:

	Transceivers	HUB
VIDEO OUTPUT (BNC Connector)	1 (1V p-p, 75 Ohms)	4 (1V p-p, 75 Ohms)
VIDEO INPUT	Terminal	4 x RJ45
TRANSMISSION DISTANCE	600M(B/W), 400M(COLOR)	
DATA Connector	1	
CABLE	Twisted Pair CAT5 (AWG24)	
POWER	V	
DIMENSIONS W x H x D mm	69x25x20.5 with 25cm cable	138x66x28

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	12		12.9
100mA	14	14.5	14.5	12.7	13.8	14.2	12.2	13.1	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