

CBLNPT SPEC SHEET

Cyrex Networks • 250 Duarte Rd. Suite B Monrovia, CA 91016 • Tel 626 930 0388 • Fax: 626 930 0488 • www.CyrexNetworks.com



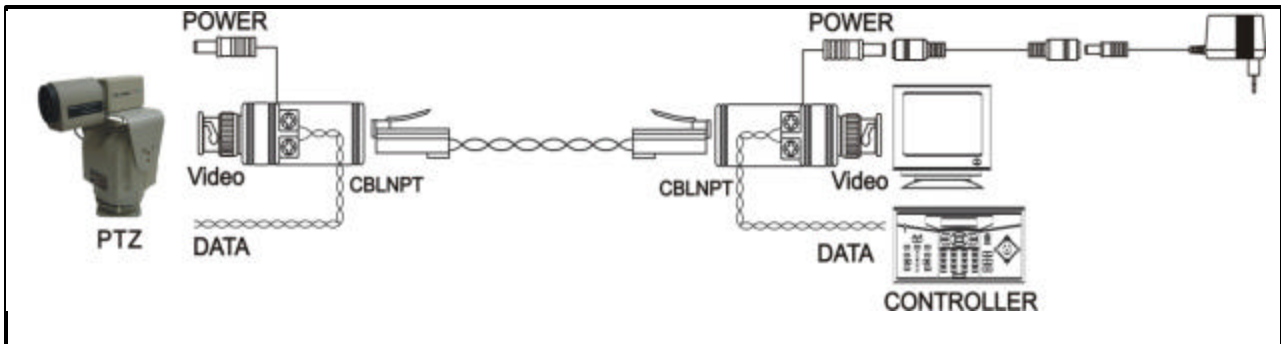
Features:

- Video, power, Data (RS485 / RS422) transmission over one CAT 5 cable
- Monochrome video signal up to 1800ft, color video signal up to 1200ft
- BNC for video, power cord for power, screw terminal for data
- Passive, no power required
- Eliminates costly coaxial cables and minimize installation time

* Actual distance may be shorter if used in conjunction with DVR

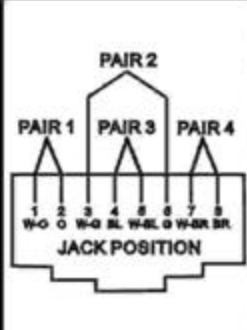
* If camera is powered remotely via UTP wires, it is highly recommended that the power does NOT exceed 500mA.

Installation:



RJ-45 Jack Pin Definition

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 -



The diagram shows the RJ-45 jack pin positions and color coding. The pins are numbered 1 through 8. The color coding is: 1 (W-O), 2 (O), 3 (W-G), 4 (BL), 5 (W-BL), 6 (G), 7 (W-BR), 8 (BR). The pairs are labeled PAIR 1, PAIR 2, PAIR 3, and PAIR 4. The jack position is labeled JACK POSITION.

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Specification:

Video Format	NTSC, PAL, SECAM
Maximum Input	1Vpp, 75 Ohms
Insertion Loss	Less than 2dB per pair over the frequency range from DC to 5Mhz
Return Loss	Greater than 15dB over the frequency range from DC to 5Mhz
Frequency Response	DC to 5 MHz
Attenuation	DC to 5 MHz 1.5dB Max
Common Mode Rejection	15KHz to 5 MHz , 60 dB
Impedance: Coax, Male BNC	75 Ohms
Terminal	100Ohms
Video	BNC connector for input, RJ45 for output
Power	Power cord for input, RJ45 for output
Data	Screw terminals for data output, RJ45 connector for input
Temperature range	10 ~ 120F
Humidity range	0 ~ 95%
Wire type	UTP (Unshielded Twisted Pair) 24 AWG
Distance	B/W = 1,800ft / Color = 1200ft
Case	ABS Plastic
Dimension W x H x D mm	45 x 21 x 21.5mm with power cord

Voltage Drop According to Cable Length (24AWG):

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

Voltage Range	DC24V							
	50M		100M		300M		600M	
Power Consumption	1 PAIR	2 PAIR	1 PAIR	2 PAIR	1 PAIR	2 PAIR	1 PAIR	2 PAIR
50mA	23.8	23.8	23	23.5	21	22.4	18.1	21.2
100mA	23.6	23.4	22.4	23.1	18.7	21.1	12.9	18.7
150mA	22.6	23.2	21.3	22.6	16.2	20	X	16.1
200mA	22.1	22.9	20.3	22	13.7	18.1	X	13.5
250mA	21.6	22.6	19.4	21.6	10.9	17.4	X	11.1
300mA	21.1	22.4	18.4	21.2	X	16.1	X	X
350mA	20.6	22.1	17.5	20.6	X	15	X	X
400mA	20.2	21.8	16.5	20.1	X	13.9	X	X
450mA	19.7	21.6	15.5	19.6	X	12.7	X	X
500mA	19.1	21.3	14.5	19.1	X	11.3	X	X

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