

Professional Cable Integrator in 1U Rack Mounting Hub

ITEM NO.: TDP016, TTP111VPD-RJ45, TPP016-RJ45

TDP016 is a 16 port cable integrator, to work with TTP111VPD-RJ45 and TTP016-RJ45 for professional CAT5 Cable management at your wiring station/control room.

Features:

TDP016 16 Port Cable Integrator (Video, Power, Data) In 1U Rack Mounting Panel

- 16 x RJ45 connector for video input + power output + data output.
- 4 x RJ45 connector for video output, 4 x 8 pin terminal for power input, 1 x 2 pin terminal for data input.
- Built in surge protection on data signal.
- 16 cameras cable termination panel, use for integrating power, video and data signals onto 4 x RJ45 4 pairs UTP cable.
- Individual power input, could send different power voltage based on camera power consumption and transmission range.
- Use with TTP111VPD-RJ45 video, power, data transceiver at the camera side.
- Use any third-party power supply to power cameras via UTP over (See below "power distance chart").
- Use with TTP016-RJ45 as video transceiver receiver at control room.
- Perfect cable management solution from the camera to the wiring station, control room.



TTP111VPD-RJ45 VIDEO, POWER, DATA COMBINER

- TTP111VPD: 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.
- Use with TDP016, TPP016-RJ45 for 16 channel video, power, data over professional CAT 5 RJ45 connection.



TPP016-RJ45 16 Port Passive Transceiver Hub In 1U Rack Mounting Panel

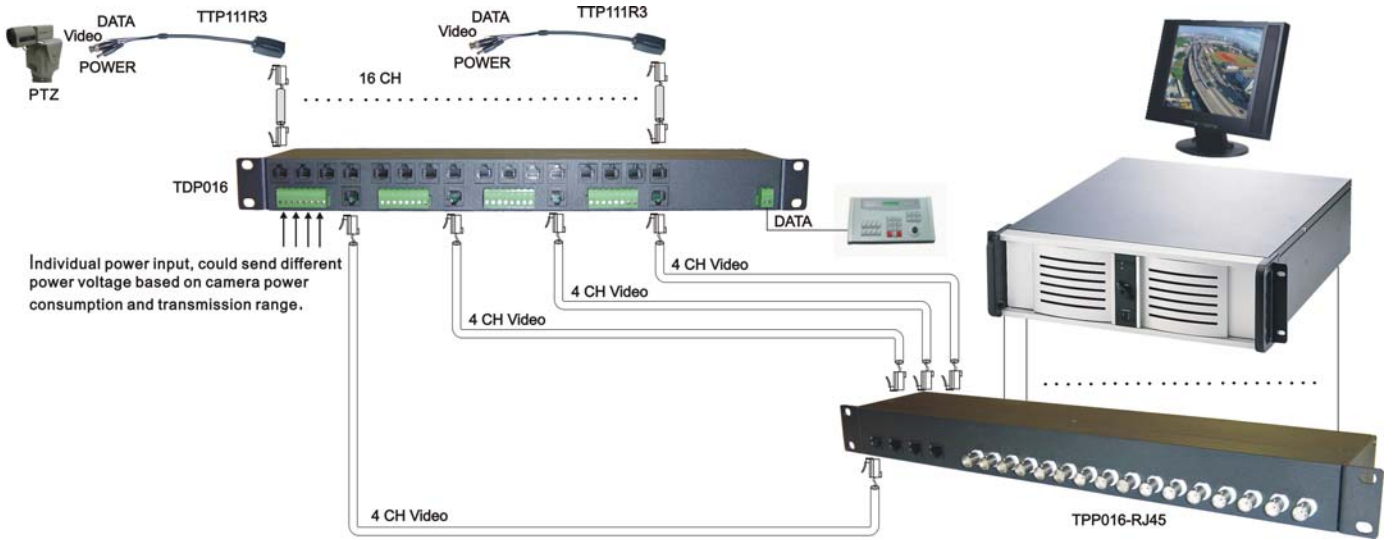
- Built in 16 port passive transceivers in 1U 19" rack mounting panel.
- 4 x RJ45 connector for 16 channel video input.
- As a rack mounting passive transmitter hub, use with TTA111AVR/ TTA111VR receiver at distance up to 1000 meters.
- Passive, no power required.
- Built in a highly balanced mode of video transmission for extra interference immunity.
- Use with TTP414V or use with TTP111VPD-RJ45+TDP016 for a professional RJ45 cabling solution.



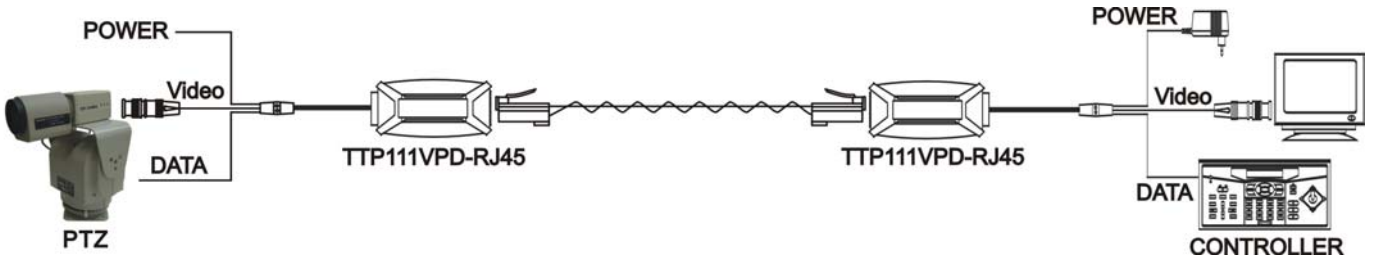
Related Products: 8AMP 16 port 1U Rack Mounting Power supply
PR816: AC24V Power Supply
PR816-12D: DC12V Non-Regulated Power Supply
PR816-12R: DC12V Regulated Power Supply

Installation View:

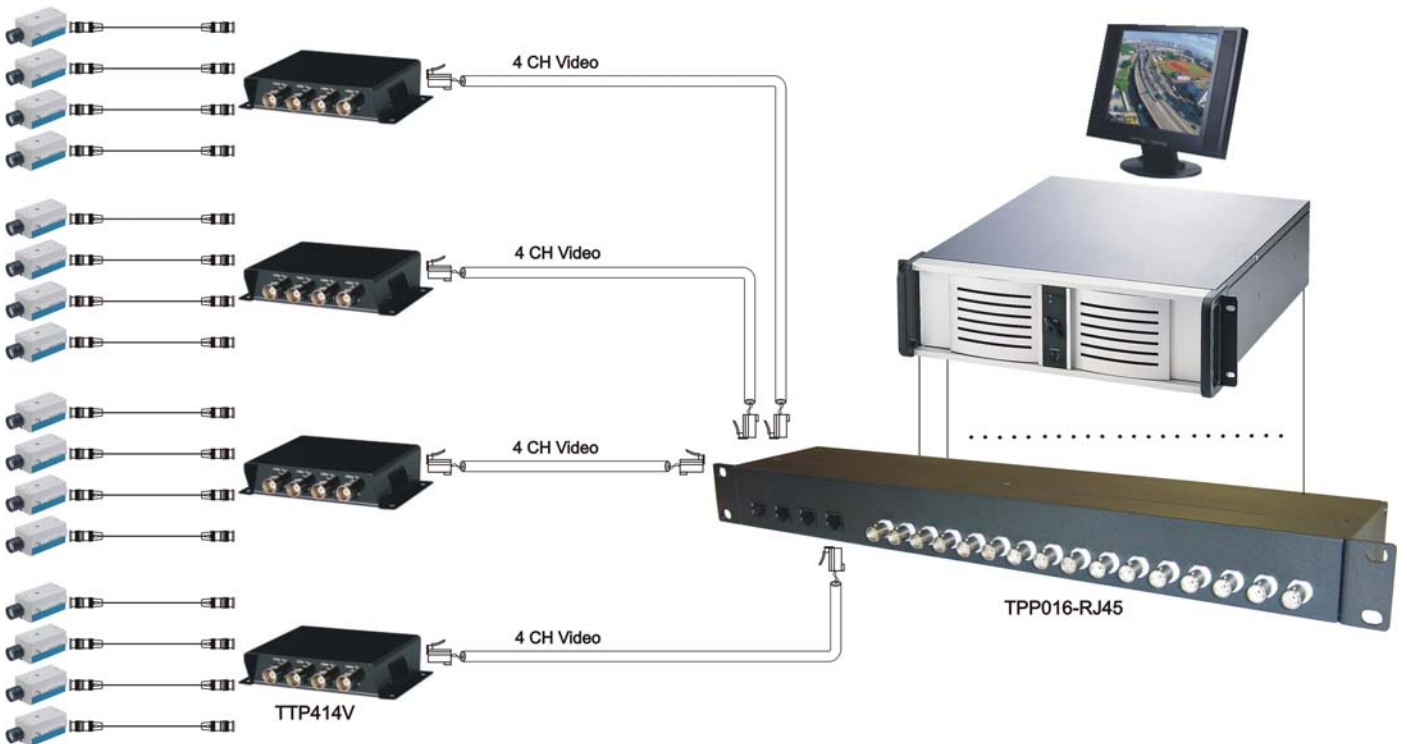
TDP016



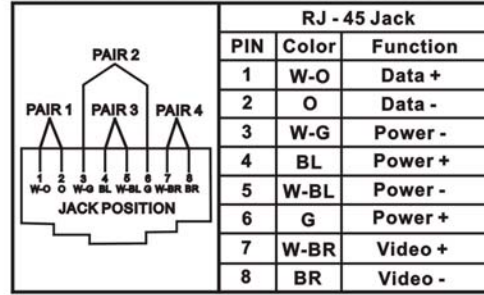
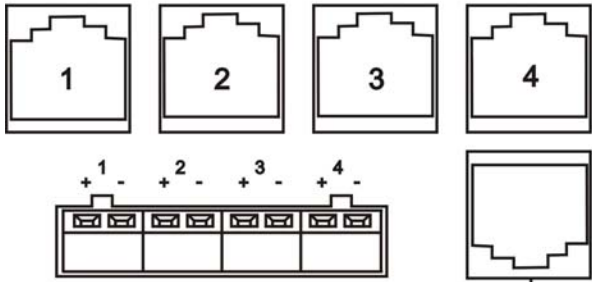
TTP111VPD-RJ45



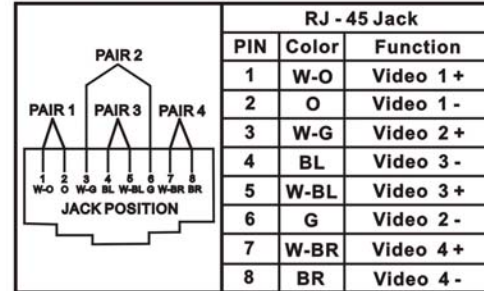
TPP016-RJ45



RJ-45 Jack Pin Define for Camera Connection



RJ-45 Jack Pin Define for Control Room Connection (Video Output)



SPECIFICATION:

ITEM NO.	TDP016	
VIDEO INPUT	RJ45 x 16 (7.8 pin)	
VIDEO OUTPUT	BNC x 16 (1 Vp-p , 75 Ohm)	
POWER INPUT	8 pin removal terminal x 4	
POWER OUTPUT	RJ45 (pin 4.6 + , 3.5 -)	
DATA SIGNAL INPUT	2 pin removal terminal x 1	
DATA SIGNAL OUTPUT	RJ45 x 16 (1.2 pin)	
RECOMMEND CABLE	CAT5 UTP (24 AWG)	
TEMPERATURE	Operation: 0 to 55°C , Storage: -20 TO 85°C , Humidity: up to 95%	
DIMENSION	mm	483 x 99.2 x 44 (1U)
WEIGHT	g	1105

ITEM NO.	TTP111VPD-RJ45	
VIDEO INPUT	BNC x 1 (1 Vp-p , 75 Ohm)	
DATA SIGNAL INPUT	2 pin terminal	
POWER OUTPUT	DC PLUG	
VIDEO/DATA OUTPUT, POWER INPUT	RJ45	
DISTANCE	300M ,	
RECOMMEND CABLE	CAT5 UTP (AWG24)	
DIMENSION	mm	53 x 25 x 20.7 + 250mm cable
WEIGHT	g	47

ITEM NO.	TPP016-RJ45	
VIDEO INPUT	RJ45 x 4 , 16 PORT	
VIDEO OUTPUT	BNC x 16 (1 Vp-p , 75 Ohm)	
POWER	X	
RECOMMEND CABLE	CAT5 UTP (AWG24)	
TEMPERATURE	Operation: 0 to 55°C , Storage: -20 TO 85°C , Humidity: up to 95%	
DIMENSION	mm	483 x 103.3 x 44 (1U)
WEIGHT	g	1350

Power Distance Chart (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						

Power Range	Power Supply Voltage 15 Volts DC											
	50M			100M			300M			600M		
Camera 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

Power Range	Power Supply Voltage 24 Volts DC											
	50M			100M			300M			600M		
Camera 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



Rev. B