

## 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 CAT 5 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.
- 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, B/W to 600 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

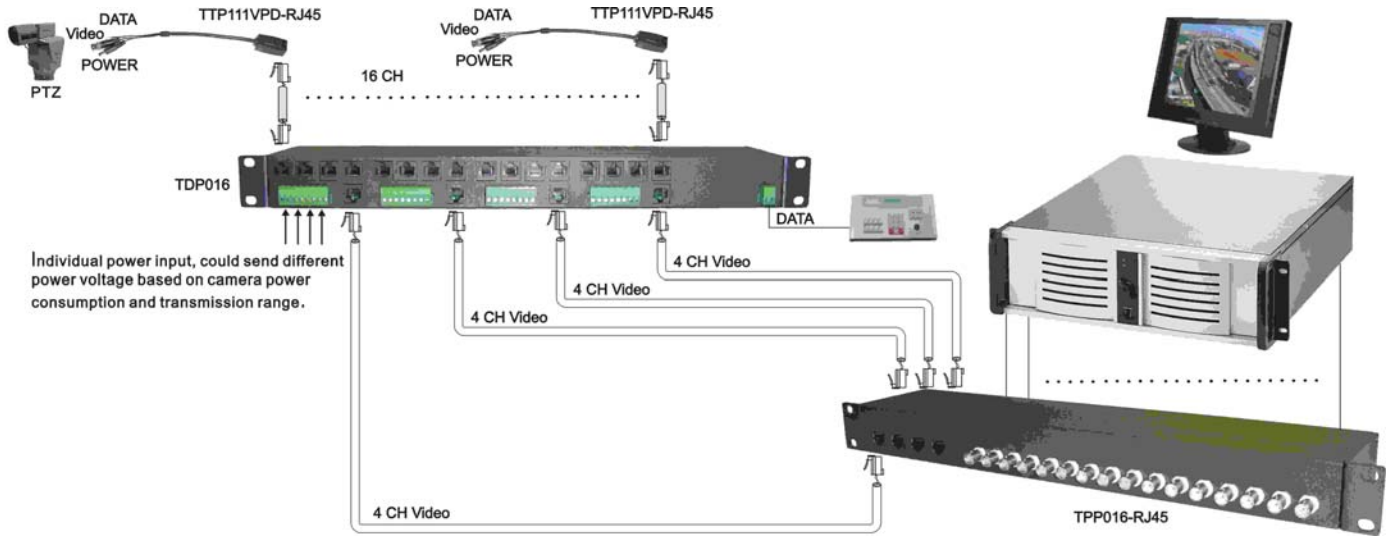
- Built in 16 port passive transceivers in 1U 19" rack mounting panel.
- 4 x RJ45 connector for 16 channel video input.
- As a rack mounting passive transmitter hub, use with TTA111AVR/ TTA111VR receiver at distance up to 1000 meters.
- Passive, no power required.
- Built in a highly balanced mode of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



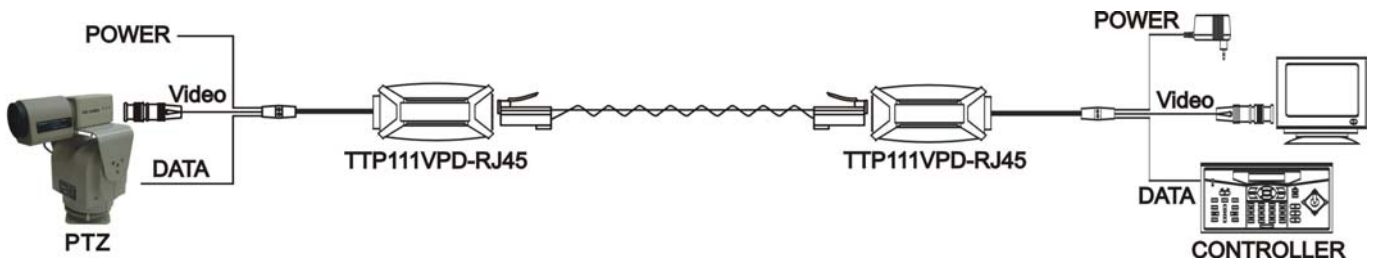
Related Products: 8AMP 16 port 1U Rack Mounting Power supply  
PR816: AC24V Power Supply  
PR816-12D: DC12V Non-Regulated Power Supply  
PR816-12R: DC12V Regulated Power Supply

# Installation View:

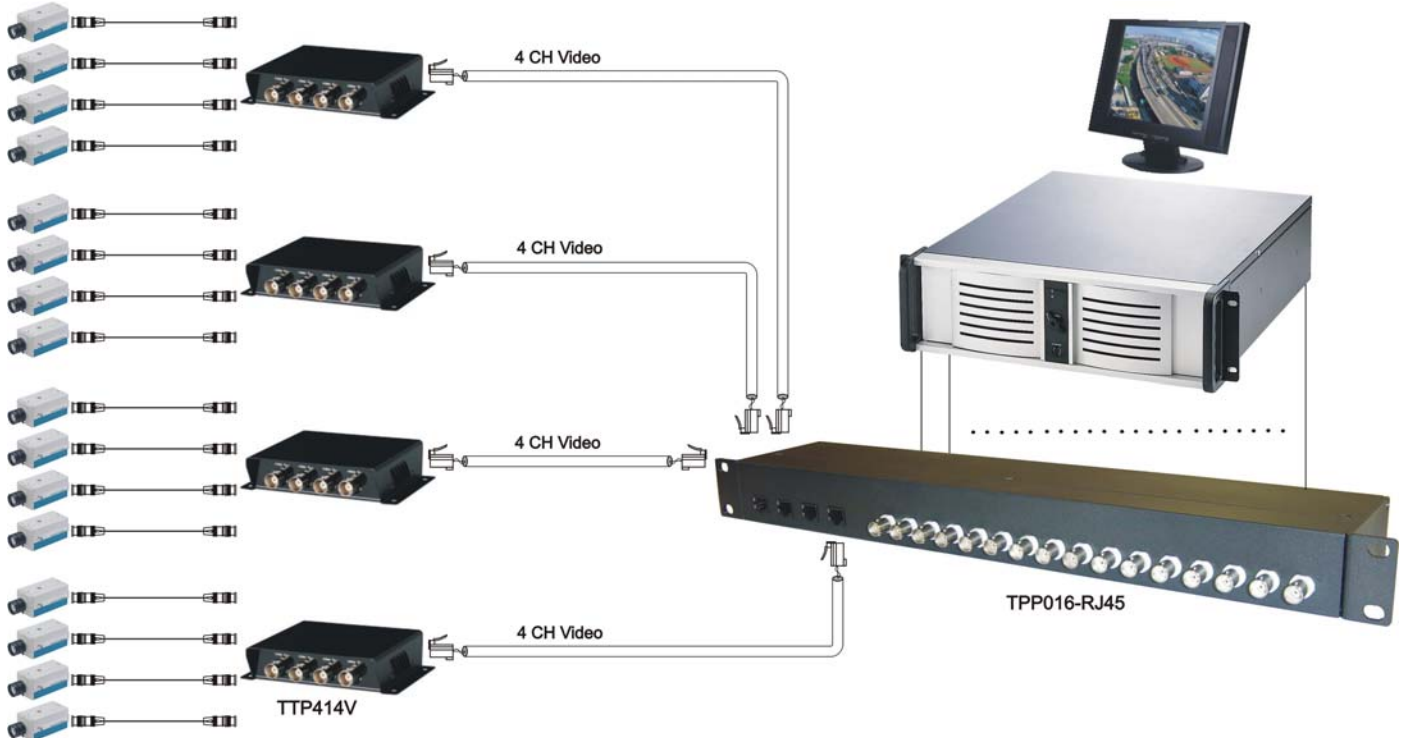
## TDP016



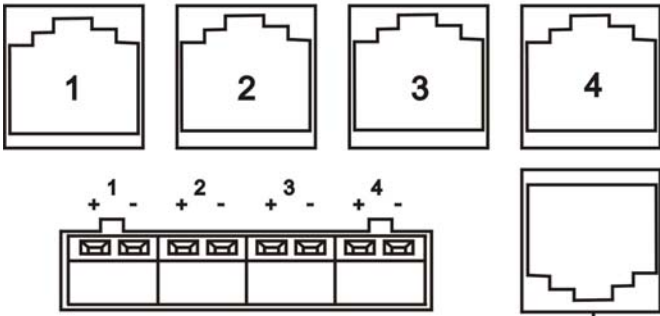
## TTP111VPD-RJ45



## TPP016-RJ45



### RJ-45 Jack Pin Define for Camera Connection



RJ - 45 Jack		
PIN	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 -

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

RJ - 45 Jack		
PIN	Color	Function
1	W-O	Video 1 +
2	O	Video 1 -
3	W-G	Video 2 +
4	BL	Video 3 -
5	W-BL	Video 3 +
6	G	Video 2 -
7	W-BR	Video 4 +
8	BR	Video 4 -

### Specification:

ITEM NO.	TDP016
Video Input Port	16 Port (Terminal Block)
Video Output Port	16 Port, 1Vp-p, 75 ohms
Data Input Port	1 Port (Terminal Block)
Data Output Port	16 Port (Terminal Block)
Recommend Cable	CAT 5 Cable 4 Pairs (24 AWG)
Operating Temperature	-20 ~70°C
Dimension W x H x D mm	482x105X44 (1U)
Weight g	1100
Material	Metal Black

ITEM NO.	TTP111VPD-RJ45
Video Output Port (BNC Connector)	1 Port, 1V p-p, 75 Ohms
VIDEO INPUT	RJ45
TRANSMISSION DISTANCE	600M(B/W), 300M(COLOR)
DATA Connector	1
CABLE	Twisted Pair CAT5 (AWG24)
POWER	V
Dimension W x H x D mm	69x25x20.5 with 25cm cable

ITEM NO.	TPP016-RJ45
Video Input Port	4 x RJ45 connector for 16 Port
Video Output (BNC Connector)	16 Port, 1Vp-p, 75 ohms
Power	No power need
Recommend Cable	CAT 5 Cable 4 Pairs (24 AWG)
Power Adapter	Included
Operating Temperature	-20 ~70°C
Dimension W x H x D mm	482x170X44 (1U)
Weight g	2200
Material	Metal Black

**Power Distance Chart (Voltage Drop According to Cable Length) (24AWG):**

Power	Power Supply Voltage 12 Volts DC								
Range	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	Power Supply Voltage 15 Volts DC											
Range	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	Power Supply Voltage 24 Volts DC											
Range	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