HD-TVI/AHD/HDCVI/CVBS TWISTED PAIR TRANSMISSION SYSTEM
Passive Series

ITEM NO.: TPP016HD   16 Port HD Video Transceiver in 1U Rack Mounting Panel

Features:

- Built in 16 port passive HD video transceiver in 1U 19" rack mounting panel.
- Choice of 4 x RJ45 or 4 sets x 8 pin removable screw terminal for 16 channel inputs /outputs.
- To send HD-TVI/AHD/CVI/CVBS signal over UTP cable.
- Passive, no power required.
- Eliminate coaxial cable.
- To work with active transmitter/receiver TTA111HDT/TTA111HDR for extra longer distance.
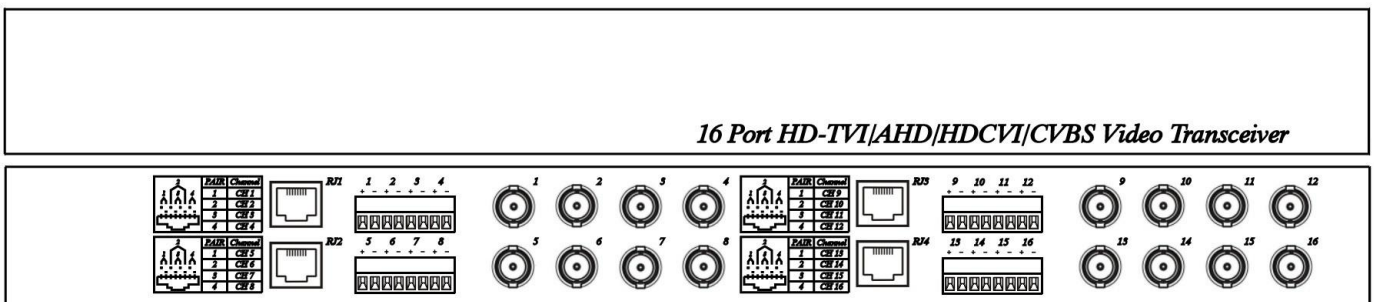- Built in ESD, EFT (impulse noise) and transient protection.

Installation:

HD Camera

HD Camera

HD DVR

HD DVR

HD-TVI/AHD/HDCVI/CVBS Video Balun Distance Chart

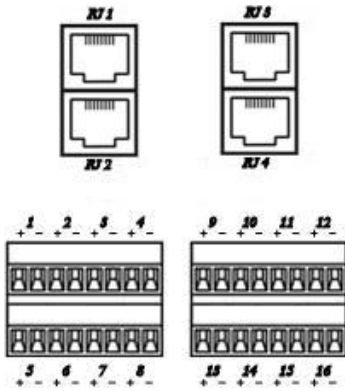| HD-TVI	AHD	HDCVI	CVBS
1080P 250M 5MP 200M	1080P 250M 4MP 200M	1080P 300M 5MP 200M	300M

The distance may effected by the quality of cable, camera, DVR.   This installation should be made by a qualified service person and should conform to all local codes.

Panel View:

16 Port HD-TVI/AHD/HDCVI/CVBS Video Transceiver

RJ-45 Jack Pin Define:

PIN	Color	Function		PIN	Color	Function
RJ - 45 Jack 1				**RJ - 45 Jack 3**		
1	W-O	Video1 +		1	W-O	Video 9 +
2	O	Video1 -		2	O	Video 9 -
3	W-G	Video2 +		3	W-G	Video 10 +
4	G	Video3 -		4	G	Video 11 -
5	W-BL	Video3 +		5	W-BL	Video 11 +
6	BL	Video2 -		6	BL	Video 10 -
7	W-BR	Video 4 +		7	W-BR	Video 12 +
8	BR	Video 4 -		8	BR	Video 12 -
RJ - 45 Jack 2				**RJ - 45 Jack 4**		
1	W-O	Video 5 +		1	W-O	Video 13 +
2	O	Video 5 -		2	O	Video 13 -
3	W-G	Video 6 +		3	W-G	Video 14 +
4	G	Video 7 -		4	G	Video 15 -
5	W-BL	Video 7 +		5	W-BL	Video 15 +
6	BL	Video 6 -		6	BL	Video 14 -
7	W-BR	Video 8 +		7	W-BR	Video 16 +
8	BR	Video 8 -		8	BR	Video 16 -

NOTE : These devices is reversible, BNC connector ＝ RJ45
This installation should be made by a qualified service person and should conform to all local codes.

Recommend Cable:

Use high quality CAT5e UTP or CAT6 UTP cable.　The max working distance is 300M.
The distance may effected by the quality of cable, camera, DVR.

Caution:

1. The cabling must away from any equipment with electromagnetic wave, i.e.: microwave, radio equipment, high voltage.

2. Must use same video format camera to avoid any interference.

Specification:

ITEM NO.	TPP016HD
Video Input /Output	BNC x 16　(1 Vp-p，75 Ohm)
RJ45 Output	8 Pin removable terminal x4 (100 Ohm) /RJ45 x4
Cable	CAT5e/CAT6 UTP
Bandwidth	50Hz ~ 60MHz (-3dB)
Transmission Distance	1080P:　HD-TVI 250M, AHD 250M, HDCVI 300M 4M/5MP: HD-TVI 200M, AHD 200M, HDCVI 250M CVBS: 300M
Power	X
ESD protection	30 KV(Air)，15 KV (Contact) ; IEC 61000-4-2　compliant
EFT protection	40A(5/50ns) ; IEC 61000-4-4　compliant
Lightning protection	2A (8/20μs) ; IEC 61000-4-5　compliant
Surge Protection Attack Time	< 1 nS
Environmental Specifications	Operation: 0 to 55℃, Storage: -20 to 85℃, Humidity: up to 95%
Dimensions　　W x H x D mm	483 x 103.5 x 44 (1U)
Weight　　　　　　g	1380

RoHS CE FC ⌖

Rev.A2