



Twisted Pair Passive Series

User Manual

Model : TTP414HD

4 Port HD-TVI/AHD/HDCVI/CVBS Video Balun



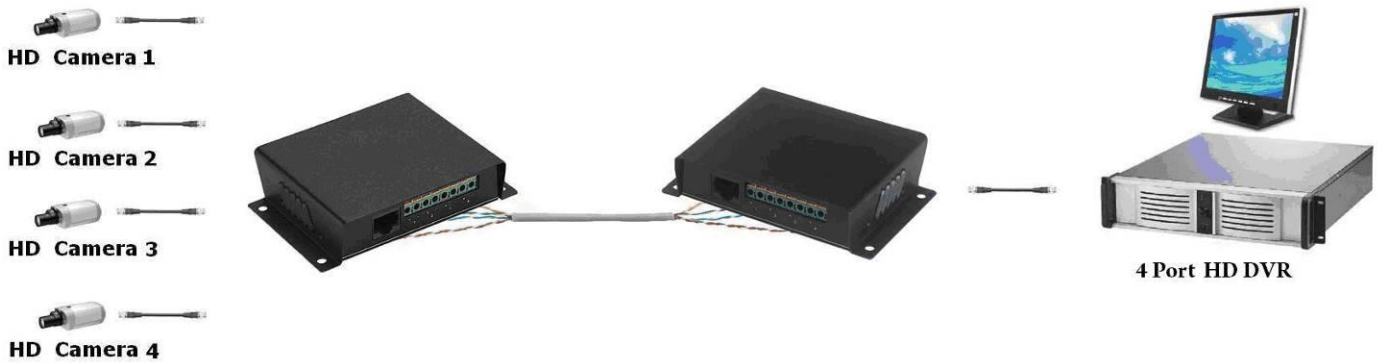
Introduction

TTP414HD is a 4 port video balun that uses twisted-pair cables to send HD-TVI/ AHD/ HDCVI/ CVBS for up to 400M, with up to 4K (8MP) resolution.

Features

- Resolution up to 4K (8MP)
- Signal extension up to 400M over UTP CAT5e/6.
- Male BNC to terminal block design.
- No power required.
- Built-in ESD, EFT (impulse noise) and transient protection.

Installation View

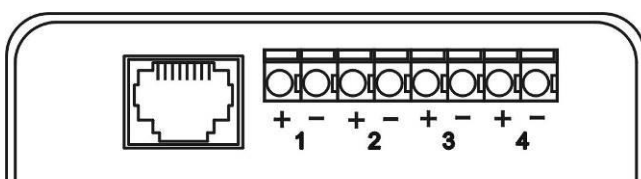


HD-TVI/AHD/HDCVI/CVBS Video Balun Distance Chart

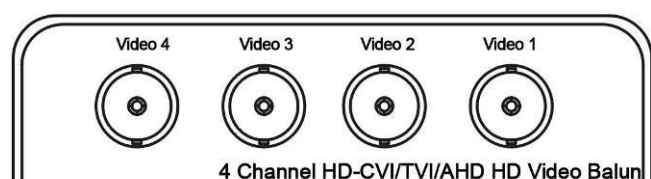
HD-TVI	AHD	HDCVI	CVBS
1080P 250M 5MP 200M	1080P 250M 4MP 200M	1080P 300M 5MP 200M	300M

The distance may be affected 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




Front View



Rear View

RJ-45 Jack Pin Define

		RJ - 45 Jack		
		PIN	Color	Function
 <p>1 2 3 4 5 6 7 8 W-O O W-G BL W-BL G W-BR BR JACK POSITION</p>	1	W-O	Video1 +	
	2	O	Video1 -	
	3	W-G	Video2 +	
	4	BL	Video3 -	
	5	W-BL	Video3 +	
	6	G	Video2 -	
	7	W-BR	Video4 +	
	8	BR	Video 4-	

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.

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.	TTP414HD
Support	
Video Format	HD-TVI, AHD, HDCVI, CVBS
Max. Video Resolution	4K(8MP)
Transmission Distance	HD-TVI 150M at 4K AHD 150M at 4K HDCVI 250M at 4K CVBS 400M at NTSC/ PAL
Bandwidth	50Hz to 60MHz (-3dB)
Ports & Interfaces	
Video Input/ Output	4 x BNC (1V p-p, 75Ω)
Link Interface	1 x 8-Pin Terminal (UTP), 1 x RJ45
Protection	
ESD Protection	30 KV(Air) , 15 KV (Contact), IEC 61000-4-2
EFT Protection	40A(5/50ns), IEC 61000-4-4
Lightning Protection	2A (8/20μ s), IEC 61000-4-5
Response Time	<1 nS
Ambient Temperature	
Operation	0 to 55°C
Storage	-20 to 85°C
Humidity	Up to 95%
Physical Characteristics	
Dimensions	110 x 80.6 x 26.3mm
Weight	195g