

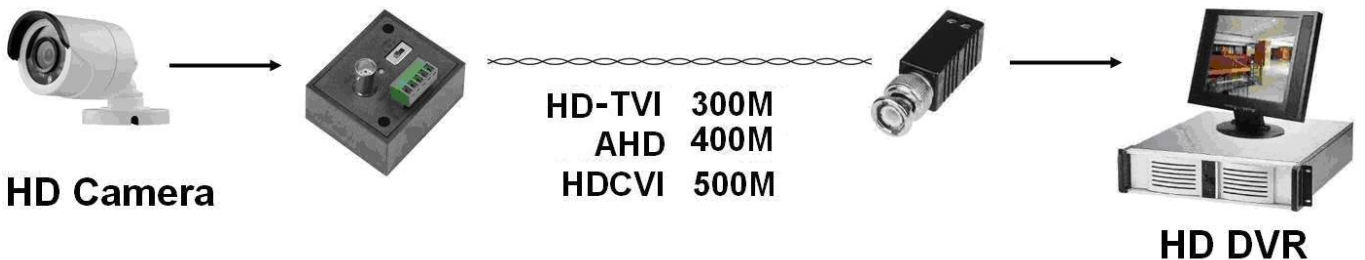
**HD-TVI/HDCVI/AHD Active Twisted Pair Transmission System**  
**ITEM NO.: TTA111HDT HD-TVI/HDCVI/AHD UTP Active Transmitter**



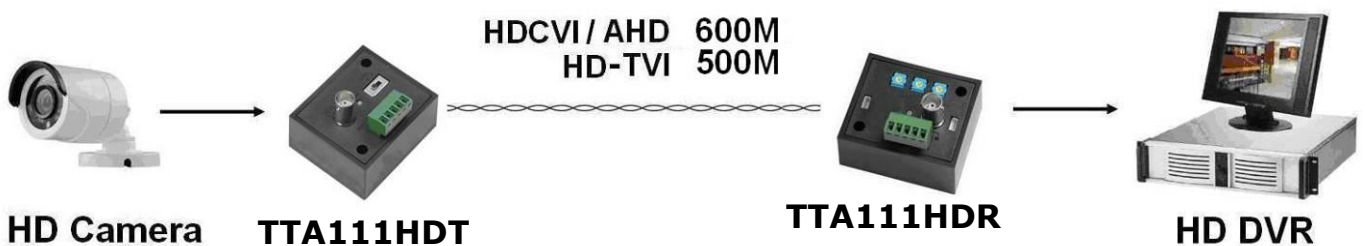
- To send HD-TVI signal up to 300M over UTP cable.
- To send AHD signal up to 400M over UTP cable.
- To send HDCVI signal up to 500M over UTP cable.
- To work with passive receiver TTP11HD for good quality picture.
- Support resolution up to 1080p and 4K.
- Built in L, M, and H high frequency video gain.
- Built in transient protection and ground lifting, damaging voltage spike problems are eliminated.
- Work with HD-TVI, AHD,HDCVI UTP active transmitter for longer distance.
- Optional model: TPN008 19" 2U rack mounting panel to fit 8 pieces TTA111HDR.

**Installation View:**

**Work with Passive HD Video Balun**



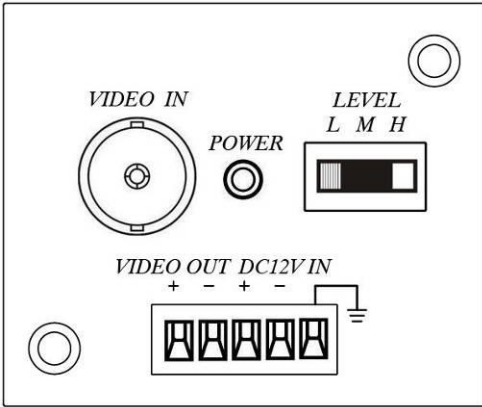
**Work with HD UTP Active Receiver:**  
**TTA111HDR HD-TVI/HDCVI/AHD UTP Active Receiver**



**Setting tips:**

TTA111HDT transmitter must setup from Low position , then start adjust TTA111HDR. If performance is not good enough then switch to Medium and adjust TTA111HDR again. Please do not switch to High at beginning, it might cause over amplification.

**Panel view & Function:**



**LED Indication:**

Green: ON / Power on

**Slide Dip Switch for Video Gain :**

- L High frequency gain + 6 dB
- M High frequency gain + 9 dB
- H High frequency gain +11dB

**Cable & Transmission Distance :**

Link cable recommend use high quality 75ohm coaxial RG59/RG6U cable. The transmission distance will be affected by different quality of Camera, DVR and BNC connector, cable, installation...etc.

**HD-TVI/AHD/CVI Twisted Pair Transmission Chart**

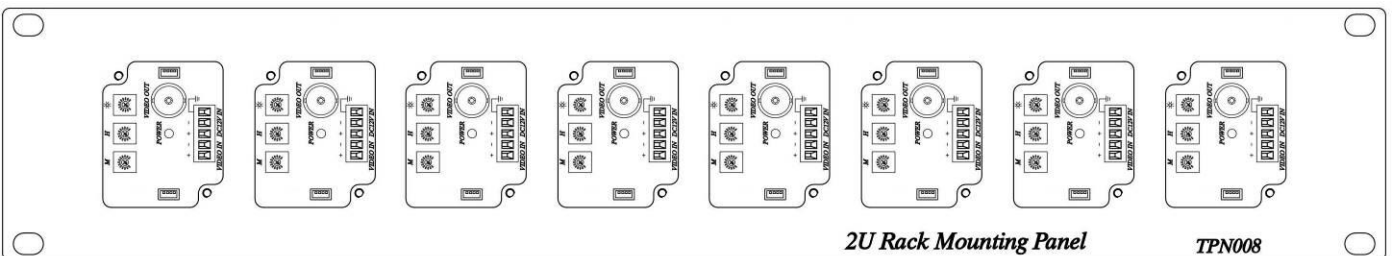
Active Transmitter	Receiver	HD-TVI Distance ( M )	AHD Distance ( M )	HDCVI Distance ( M )
TTA111HDT	Passive HD Video Balun	1080P/300M 5MP 250M	1080P 400M 4MP 400M	1080P 500M 4K 250M
TTA111HDT	HD Active Receiver	1080P 500M 5MP 350M	1080p 500M 4MP 500M	1080P 600M 4K 250M

**Option Model For TTA111HDT/TTA111HDR:**

**ITEM NO: TPN008 2U RACK MOUNTING PANEL**

**Features:**

- Ideal for security monitoring stations or video distribution hubs.
- Standard 19-inch (482mm) wide, 3.5-inch (88mm) 2U high.
- Supports up to 8 pieces of TTA111HDT or TTA111HDR.
- This heavy-gauge panel is designed to withstand the mechanical load of multiple cables.



## Trouble Shooting :

1. The unit built in transient protection, please make sure to make grounding.
2. Please make sure the two wires with correct power polarity.
3. TTA111HDT transmitter must setup from Low position, then start adjust TTA111HDR. If performance is not good enough then switch to Medium and adjust TTA111HDR again. Please do not switch to High at beginning, it might cause over amplification.

## Specification:

ITEM NO.	TTA111HDT
Video Format	HD-TVI, HD-CVI
Video Input	BNC x 1 (75 $\Omega$ , 1 Vp-p)
Video Output	5 pin removable terminal x 1 (100 $\Omega$ )
Switch	Slide switch (3 level) x 1
Cable	UTP CAT5e/CAT6
Transmission Distance	Up to 1080P 300M
Power Supply	DC 12V 500mA
Power Consumption	70 mA ( Max)
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: \$ up to 95%
Dimensions W x H x D mm	57.8 x 49.2 x 41.7
Weight g	70

RoHS   

Rev. A