

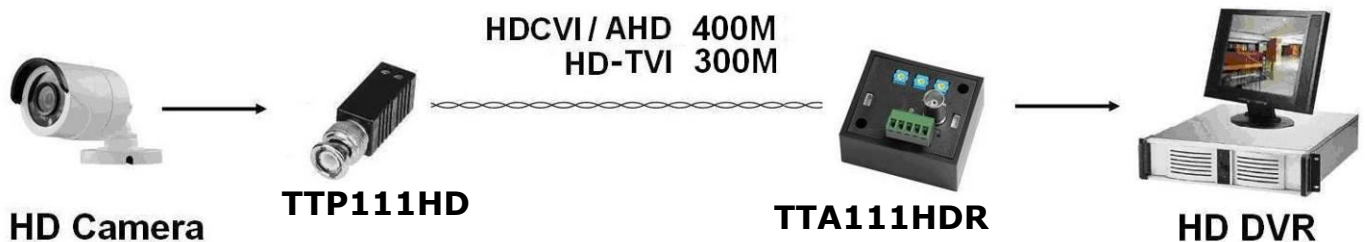
# **HD-TVI/AHD/HDCVI Active Twisted Pair Transmission System** **ITEM NO.: TTA111HDR HD-TVI/HD-CVI/AHD UTP Active Receiver**



- HD-TVI, AHD, HDCVI UTP active receiver.
- To work with passive transmitter TTP111HD for good quality picture.
- Support HD-TVI/AHD/HDCVI 1080p/4K.
- Work with HD-TVI, AHD, HDCVI UTP active transmitter for longer distance.
- Built in middle frequency, high frequency and brightness adjustment.
- Allow using one power adapter for multiple amplifiers, a jumper is needed to extend power. ( Max of 5 units per power adapter)
- Package includes a jumper and power adapter.
- Optional model: TPN008 19" 2U rack mounting panel to fit 8 pieces TTA111HDR.

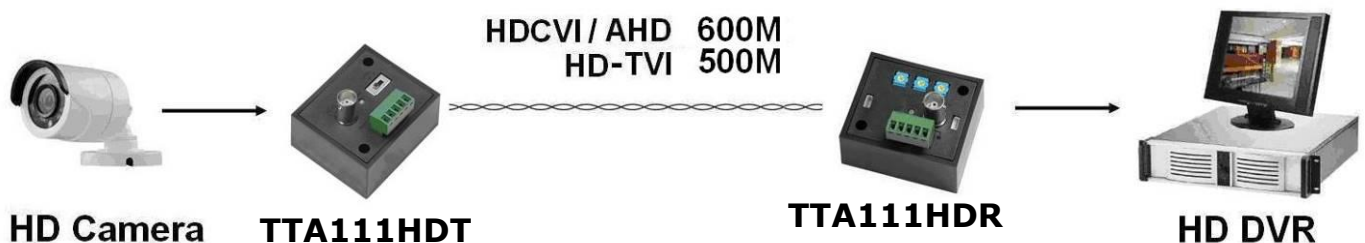
## **Installation View:**

### **Work with Passive HD Video Balun**



### **Work with HD UTP Active Transmitter**

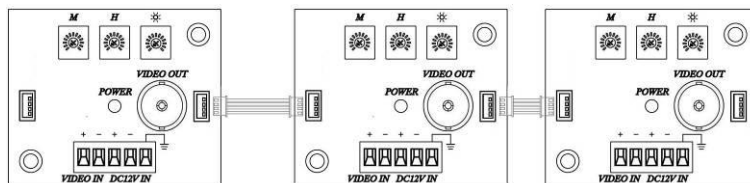
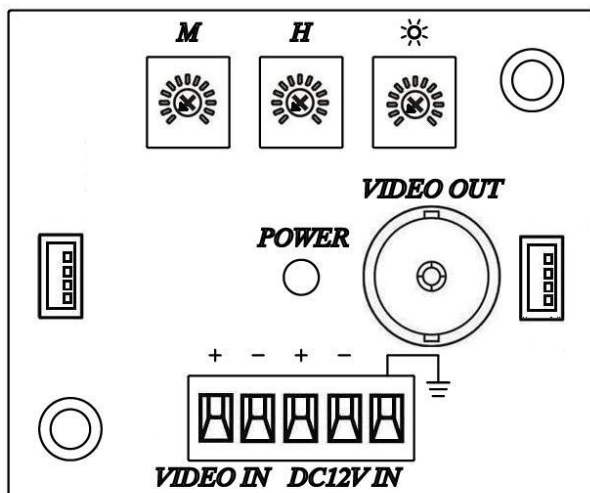
**TTA111HDT HD-TVI/HDCVI/AHD UTP Active Transmitter**



### **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:



- When using multi amplifier, a jumper is needed to extend power. ( Max of 5 units per power adapter)

## LED Indication:

GREEN

ON

OFF

Power ON

Power OFF

## Adjustment Switch:

M : Middle frequency gain

H : High frequency gain

☀ : Brightness

## 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/HDCVI Twisted Pair Transmission Chart

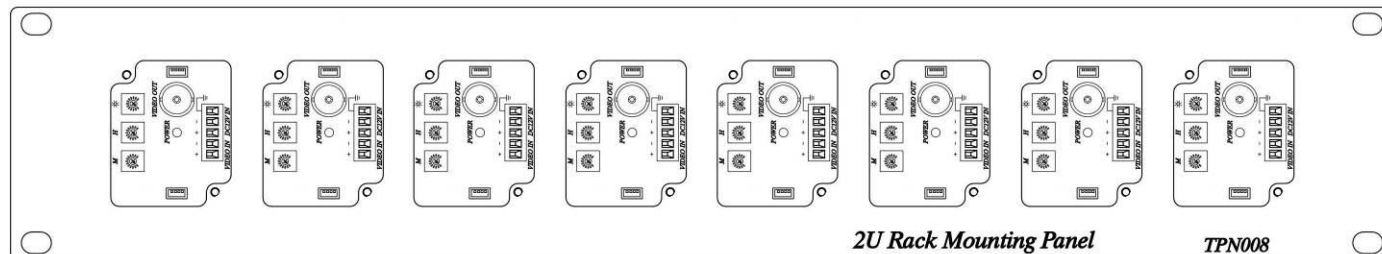
| Transmitter                  | Active Receiver | HD-TVI Distance ( M )  | AHD Distance ( M )     | HDCVI Distance ( M )  |
|------------------------------|-----------------|------------------------|------------------------|-----------------------|
| Passive HD Video Balun       | TTA111HDR       | 1080P/250M<br>5MP 250M | 1080P 400M<br>4MP 400M | 1080P 500M<br>4K 250M |
| Active HD Active Transmitter | TTA111HDR       | 1080P 500M<br>5MP 350M | 1080p 500M<br>4MP 500M | 1080P 600M<br>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. Recommend the shortest connection distance over 150M to avoid too strong signal amplification.
2. If the middle & high frequency/sharpness gain adjustment are too strong or too weak that will cause video distortion, color change or disappear, please do properly adjustment based on different distance.
3. The unit built in transient protection, please make sure to make the proper grounding.
4. When using chainable power for TTA111HDR, the maximum could connect up to 5 units; make sure the power adapter used must be bigger than the total power consumption.

#### Specification:

| ITEM NO.                | TTA111HDR                                                       |
|-------------------------|-----------------------------------------------------------------|
| Video Format            | HD-TVI, HD-CVI                                                  |
| Video Input             | 5 pin removable terminal x 1 (100 $\Omega$ )                    |
| Video Output            | BNC x 1 (75 $\Omega$ , 1 Vp-p)                                  |
| Cable                   | UTP CAT5e/CAT6                                                  |
| Transmission Distance   | AHD / HDCVI:400M @ 1080p, HD-TVI:300M @ 1080p                   |
| Power Supply            | DC 12V 500mA                                                    |
| Power Consumption       | 150mA(Typical), 220mA (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 CE FC

Rev. A