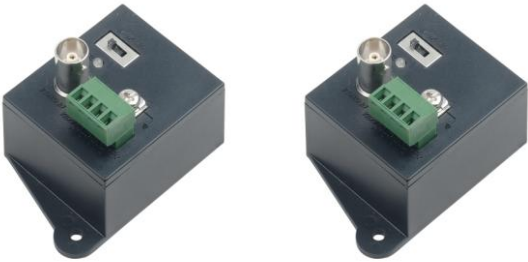


# Twisted Pair Transmission System – Auto Gain Active Series

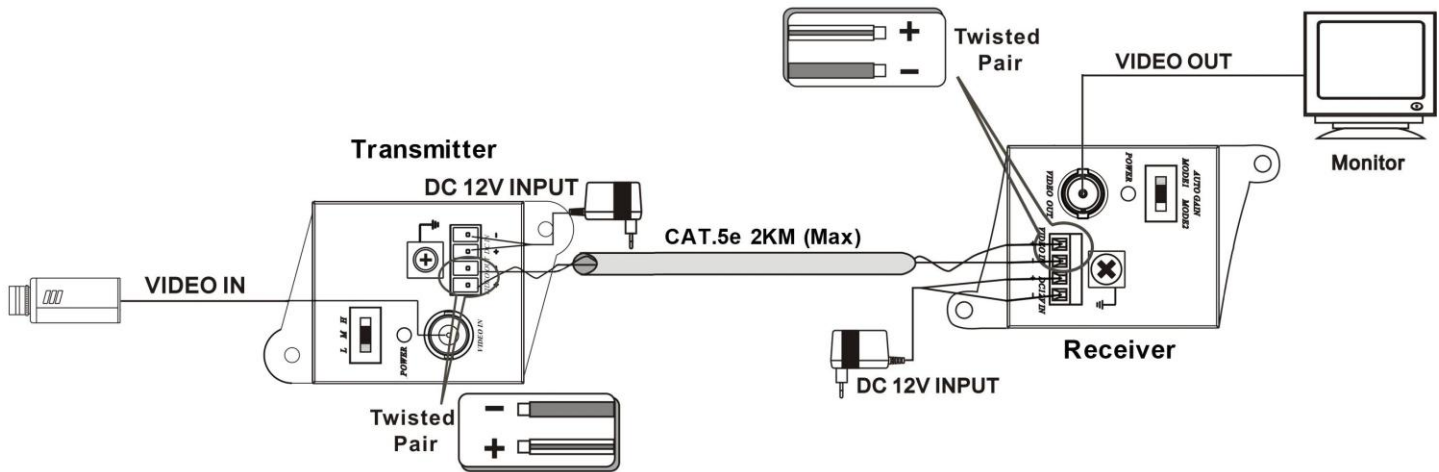
**ITEM NO.: TTA111VA (TTA111VT + TTA111VHA) Auto Gain Active Transmitter+ Receiver**



**Features:**

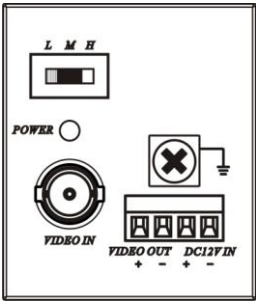
- To send a full motion color video signal up to 2KM over UTP cable with TTA111VA.
- Transmitter built in L, M, and H high frequency video gain.
- Built in two mode auto gain control at receiver.
- Built in transient protection and ground lifting, damaging voltage spike problems are eliminated.
- Perfect for high resolution TVL camera.
- Up to multi pieces TTA111VT transmitter can work with auto gain 4 channel Hub TTA414VRA or 1U rack mounting TPA008A/TPA008AH, TPA016A/TPA016AH auto gain receiver panel.

**Installation View:**



**Panel view & Function:**

**TTA111VT**



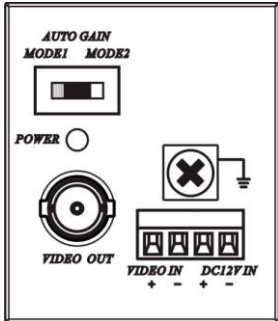
**LED Indication:**

Green: ON / Power on

**Slide Dip Switch for Video Gain :**

- L High frequency gain - 6 dB
- M High frequency gain +3 dB
- H High frequency gain +6 dB

**TTA111VHA**



**LED Indication :**

Green: Power On/off

**Auto Gain 2 Mode Function:**

MODE	Function
MODE1	Fix the auto gain value after Automatic Equalization successful completed
MODE2	Continuously and Automatically Equalization

**MODE1:** Suitable for general application, If need the re- equalization, please switch to mode 2, then switch back to mode 1.

**MODE2:** Suitable for special environment application. It automatically detects the cable length and continued to do equalization.

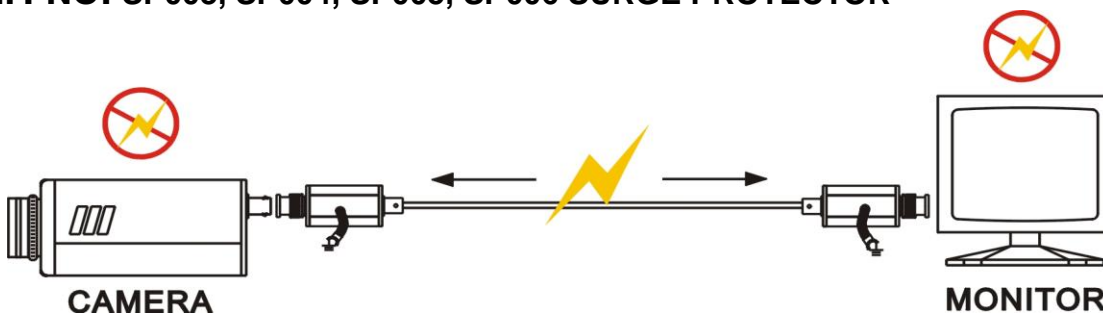
**Troubleshooting:**

The unit built in transient protection, please make sure to make grounding.

**Option:**

To protect high value camera and CCTV image processor/monitoring equipment destroyed from high voltage surges from nearby lightning strikes, the long-range twisted pair cable go through outdoors. To add surge protection SP003-SP006 device on the back of camera and front of CCTV image processor/monitoring equipments. Small money to save high value CCTV equipments.

**ITEM NO: SP003, SP004, SP005, SP006 SURGE PROTECTOR**



Recommend WT104PE Outdoor CAT5 UTP Twisted Pairs cable with PE jacket and steel wire, and use surge protector SP003-SP006 to avoid the damage of twisted pair system under lightning,

thunderstorm weather environment.

**Specification:**

ITEM NO.	TTA111VT	
Video Format	NTSC / PAL	
Video Input	BNC x 1 (75 Ω , 1 Vp-p)	
Video Output	4 pin removable terminal x 1 (100 Ω , Max 3 Vp-p)	
Switch	Slide switch x 1	
Power Supply	DC 12V 500mA	
Power Consumption	75 mA ( Max)	
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%	
DIMENSIONS	mm	43.2 x 74 x 45.2
WEIGHT	g	55

ITEM NO.	TTA111VHA	
Video Standard	NTSC / PAL	
Video Input	4 pin removal terminal x 1 (100Ω , 1 Vp-p)	
Video Output	BNC x 1 (75 Ω , 1 Vp-p)	
Link Cable	CAT.5 (24 AWG)	
Power Consumption	100mA	
Power Supply	DC 12V 500mA	
Temperature	Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95%	
Dimensions	43.2 x 74 x 45.2	
Weight	45	

RoHS CE FC  Rev. B

**Option For TTA111VA:**

**TPN009 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 9 pieces of TTA111VT OR TTA111VHA.
- This heavy-gauge panel is designed to withstand the mechanical load of multiple cables.

