

Extra Long Range Twisted Pair Transmission System – Active Series
ITEM NO.: TTA111VRA Digital Auto Gain Active Receiver

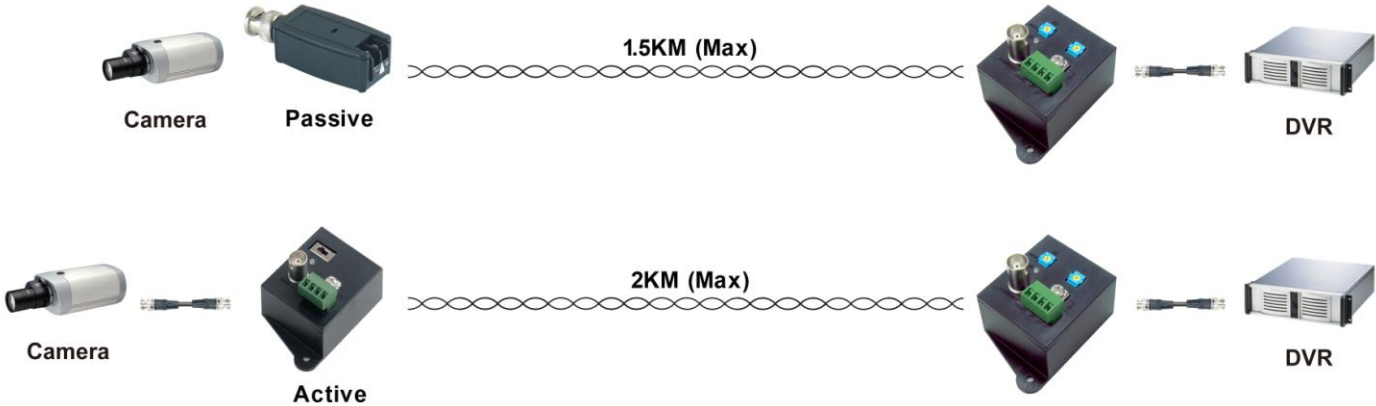


Features:

- Use with passive transmitter to send video signal up to 1.5KM over UTP cable.
- Use with active transmitter TTA111VT to send video signal up to 2.0KM over UTP cable.
- Dual control option for optimum video quality: Auto gain or manual adjustment.
- Auto gain control without any adjustment.
- Manual control: equalizer and brightness adjustment.
- Built in transient protection and grounding lifting.
- Perfect for high resolution TVL camera.

Installation View:

TTA111VRA



Note: You could do some Manual Adjustment In order to get the best quality picture under automatic equalization processing not correct or have interference nearby. Please refer to page 2 Trouble Shooting.

TTA111VRA LED indication:

- OFF No Power
- RED No signal input

| | |
|---------------|-------------------|
| BLUE | Auto equalization |
| BLUE BLINKING | Auto Equalization |
| PURPLE | Manual setup |

TTA111VRA Adjustment:

- EQ** Turn the trimmer to left end (CCW), it will be automatic equalization. Turn the trimmer from right end to left end (CW) for the value from minimum to maximum.
- BRIGHTNESS** Turn the trimmer to left end (CCW), brightness will be the darkest. Turn the trimmer to right end to left end (CW), brightness will be the brightest
BRIGHTNESS adjustment only affects under manual setting.

Troubleshooting:

1. Under automatic equalization processing that may takes around 0-10 seconds, and have bright/dark picture which is normal condition.
2. Under automatic equalization processing: if video disappear over 100ms until video appear again, it will re- auto equalization.
3. Under automatic equalization processing may have interference nearby, it may cause auto equalization not correct, change to manual setting will be recommended.
4. B/W camera signal may cause auto equalization not correct, change to manual setting will be recommended.

Panel View:

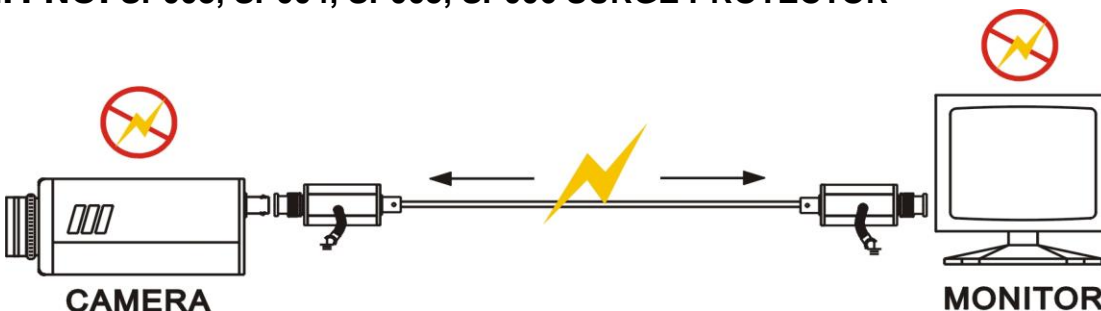
TTA111VRA



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 | TTA111VRA |
|-------------------|---|
| Video Bandwidth | 5MHz (-3dB) |
| Video Input | 4 pin terminal block (100Ω , 1.4Vp-p) |
| Video Output | BNC (75Ω , 1Vp-p) |
| Power Supply | 12V DC 500mA Regulated (External) |
| Power Consumption | 150mA (Max) |
| Temperature | Operation: 0 to 55°C, Storage: -20 to 85°C, Humidity: up to 95% |
| Dimensions | 43.2 x 74 x 45.2 (mm) |
| Weight (g) | 55 g |



Rev. C

Option For TTA111VRA:

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 TTA111VRA.
- This heavy-gauge panel is designed to withstand the mechanical load of multiple cables.

