

## Smart Anti-Noise Kit

### ITEM NO.: GGTT01

GGTT01 Kit is a combination for all of our special tools to eliminate most of video interference caused by installation. This Kit package including GL001, GB001, TGP001, TVB001, TVB001 4 different models and all are passive devices, which easy to install to a new or added to existing CCTV system.

#### **GL001 Coaxial Video Ground Loop Isolator**

##### **Features:**

- BNC male to BNC female with mini cable 15 on both sides.
- Passive, no power required.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.
- Built in TVS ( Transient Voltage Suppressors) for surge protection.



#### **GB001 Coaxial Video Ground Loop Isolator built in Video BALUN**

##### **Features:**

- BNC male to BNC female with mini cable 15 on both sides.
- Others same as GL001 Ground Loop Isolator function.
- Built in Video BALUN, perfect to work with DVR to immunity DVR interference, for extra interference rejection.
- Built in TVS ( Transient Voltage Suppressors) for surge protection.



#### **TGP001 Twisted Pair Ground Loop Isolator built in Video BALUN**

##### **Features:**

- BNC male to 2 pin terminal block.
- Others same as GL001 Ground Loop Isolator function.
- Built in Video BALUN .
- Eliminate Coaxial Cable.
- Built in TVS ( Transient Voltage Suppressors) for surge protection.



## TVB001 Twisted Pair Video Transformer Filter

### Features:

- Eliminate interference under long range cabling caused by "Impedance Matching", add TVB001 BALUN at "connecting point" between two-wire connections for compensation.
- Including 4 pieces UY connectors for connection.

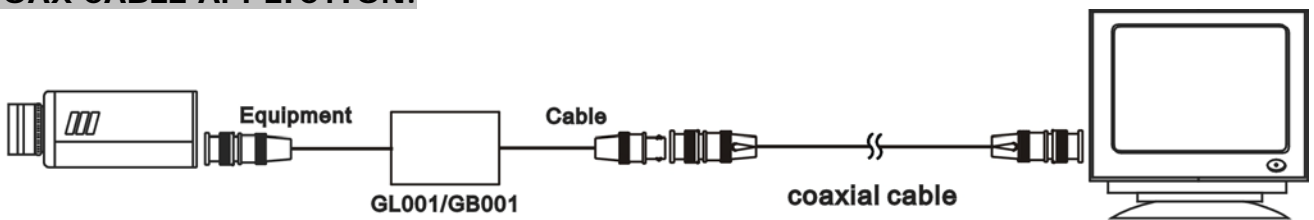


### Application and Installation:

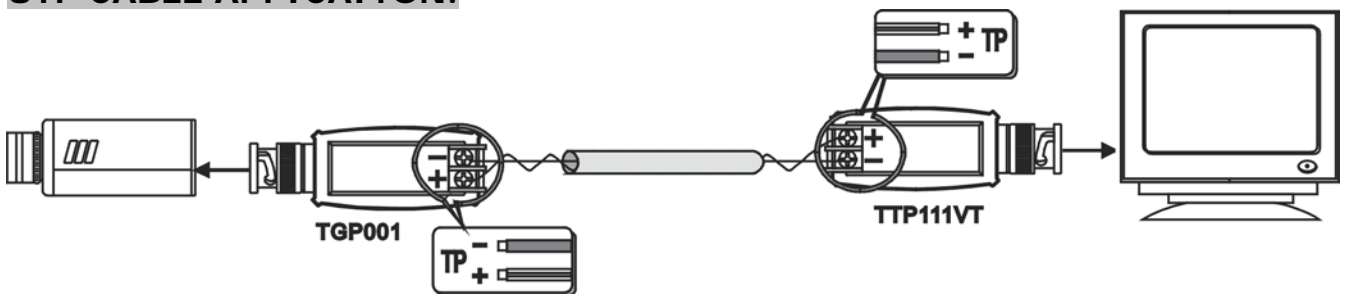
The Video Ground Loop Isolator should be installed where runs of video cable are known to have ground loops. It must be installed in the video cable that has come directly from the camera, but before the cable has been connected to anything else.

If several video cameras come from the same area, fix a Video Ground Loop Isolator In every cable, or a ground loop will still remain.

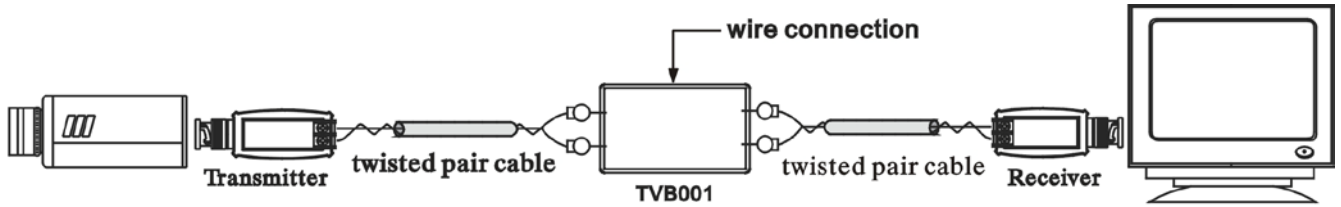
### COAX CABLE APPLICTION:



### UTP CABLE APPLICAITON:



When using UTP video BALUN TTP111VH/TTP414VH/TTA111VH...etc VH Series put at receiver side ( Front of Monitor or DVR) to immunity the interference. If the interference not able to clean up by VH series. Then use monitor to check each connecting point (between two wire connection), to find out where is the source of interference, then add one more TVB001 to compensate the Impedance Matching for clear video Image. If you are not able to check where is the source of interference, then add TVB001 on all of wire connection and camera.



**SPECIFICATION:**

Item NO.	GL001	GB001	TGP001
Insertion Loss		0.5dB	
Frequency Response		0-3dB at 10Mhz	
Input Resistance		75 ohm	
Output Resistance		75 ohm	
Isolation Voltage		600VDC (Min)	
Insulation Resistance		100m Ohm	
Transient Voltage Suppressors		12 Vrms	
BALUN	X	V	V
Dimensions mm	84x28x21 with 15cmx2 cable		69x25x22
Weight g	70	70	32

Item NO.	TVB001
Cable	Twisted Pair
Cable Connection	UY connector
Dimensions mm	35x25x20 with 12cmx2 cable
Weight g	25



Rev. B