

## Twisted Pair VIDEO GROUND LOOP ISOLATOR SERIES

### ITEM NO.: TGP001, TGP001H

The TGP001, TGP001H Video Ground Loop Isolator are passive devices which reduce Ground Loop Interference with CCTV signals and can easily install in a new or added to existing systems. It is useful where a video signal is transmitted via cable between points with different ground potentials, Differences in ground potentials are typically caused by unbalanced power line loads.

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

- BNC male to 2 pin terminal block.
- Others same as GL001 Ground Loop Isolator function.
- Built in Video BALUN .
- Eliminate Coaxial Cable.
- 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.



#### **TGP001H High Performance Twisted Pair Ground Loop Isolator**

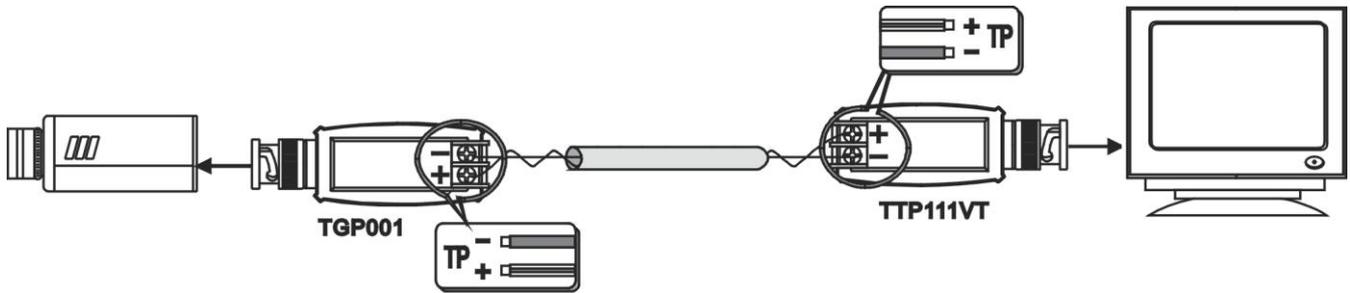
- BNC male to terminal block with 20cm mini coax cable.
- Passive type, no power need.
- Hi Performance to eliminate ground loop problem.
- Low video loss , Bandwidth: 20Hz -11MHz ,+0/-3dB.
- Prevents video-signal distortion caused by video ground loops.
- Eliminates picture tearing, cross talk and rolling.
- Prevents power cables laid by others interfering with the CCTV system.



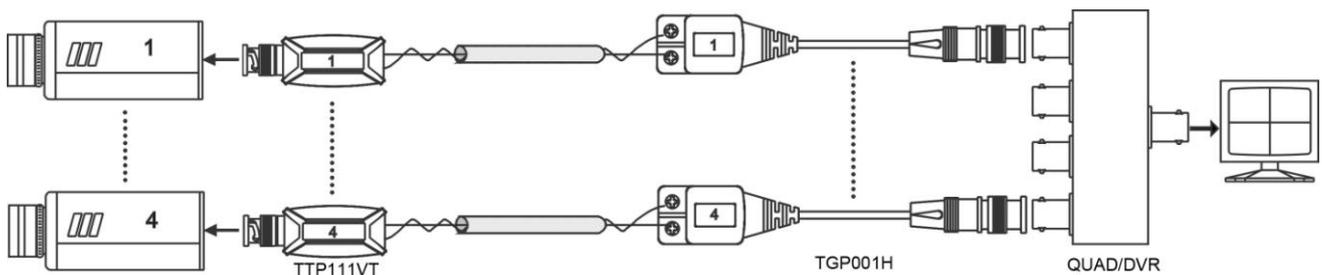
## Installation View

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.

★ Remark: To avoid video loss, TGP001 must install at Camera end.



★ Remark: To avoid video loss, TGP001H must install at DVR end.



## Specification :

ITEM NO.	TGP001	TGP001H
Insertion Loss	0.5dB	
Frequency Response	20Hz - 10MHz (0~3dB)	
Coaxial Input/Output Resistance	75 Ohm	
Twisted Pair Input/Output Resistance	100 Ohm	
Ground Isolation	>90dB @ >50Hz	
Isolation Voltage	DC 600V (Min)	
Insulation Resistance	100M Ohm	
Dimensions	mm	78.3 x 28 x 27.5 + 24cm x 2 Cable
Weight	g	76

RoHS CE FC

Rev. C