



Ground Loop Isolator Series

# User Manual

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Model : GL001HDP

Passive HD-TVI/AHD/HDCVI/CVBS Video Ground Loop Isolator



## Introduction

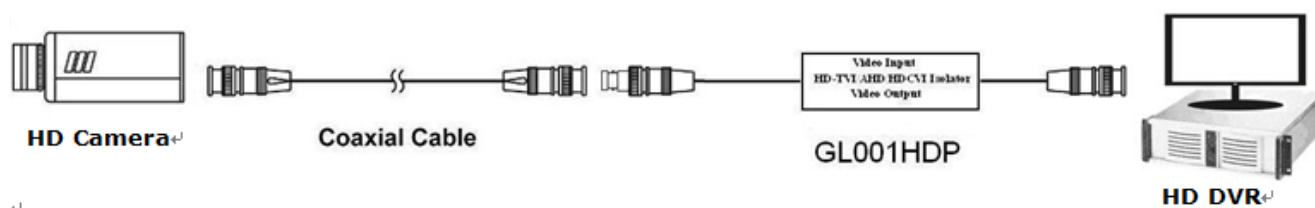
GL001HDP is a video ground loop isolator designed to reduce video Interference for HD-TVI, AHD, HDCVI, CVBS signals. It's a perfect solution for when a video signal gets transmitted between two ends with unbalanced power line loads, which causes video interference..

## Features

- Supports HD-TVI, AHD, HDCVI, CVBS video formats.
- Resolution up to 4K
- Supports video loss compensation
- Supports video bandwidth at 25 Hz to 50 MHz (-3dB).
- Built-in a BNC Male connector at both ends.

## Installation View

GL001HDP should be installed in a scenario where the interference happens and transmission cable directly comes from DVR side.



## Caution

1. GL001HDP DOES NOT support UTC Function
2. GL001HDP will cause 37% video loss, so it only suitable for distance less 200M transmission.
3. For distance over 200M, please use GL001HD, Active HD-TVI/AHD/HDCVI Coaxial Video Ground Loop Isolator

## Specification

ITEM NO.	GL001HDP
Support	
Frequency	25 to 50MHz (0 to 3dB)
Insertion Loss	0.5dB
Ground Isolation	>90dB @ >50Hz
Isolation Voltage	500VAC / 600VDC
Insulation Resistance	> 1M Ohm
Transient Voltage Suppressors	12 Vrms
CMRR	> 60dB
Ports & Interfaces	
Signal Input	1 x 75 Ohm BNC
Signal Output	1 x 75 Ohm BNC
Ambient Temperature	
Operation	-25 to 70°C
Storage	-30 to 80°C
Humidity	Up to 95%
Physical Characteristics	
Dimensions	73 x 28 x 26.5mm & 2 x 200mm Cable
Weight	85g