

Sonew CC53 CVBS Ground Loop Isolator



# Sonew CC53 CVBS Ground Loop Isolator Instruction Manual

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**Sonew CC53 CVBS Ground Loop Isolator**



## Specifications

- **Product Name:** Ground Loop Isolator
- **Power:** Passive (no power required)
- **Supported Formats:** TVI, CVI, AHD, CVBS
- **Isolation Voltage: Max.** 720P, 1080P, 5MP
- **Insulation Resistance:** 600V DC, 100M Ohm
- **Input/Output Resistance:** 75ohm
- **Frequency Response:** 0-3dB at 10MHz

## Features

- 4-in-1 Ground Loop Isolator compatible with TVI, CVI, AHD & CVBS
- BNC Male to BNC Female with mini cable
- Passive device, 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 from interfering with the CCTV system
- Works perfectly with DVR to provide immunity from DVR interference
- Built-in TVS (Transient Voltage Suppressors) for surge protection

## Product Usage Instructions

### Installation

1. Identify the CCTV camera system points with different ground potentials.
2. Disconnect the coaxial cable transmitting the video signal between these points.
3. Connect the Ground Loop Isolator between the disconnected ends of the coaxial cable.

4. Ensure a secure connection and proper alignment of BNC connectors.
5. Reconnect the coaxial cable to the BNC connectors of the Ground Loop Isolator.

## Usage

Once installed, the Ground Loop Isolator will effectively reduce ground loop interference and prevent video-signal distortion in your CCTV camera system. It is a passive device that requires no power source and provides surge protection for enhanced performance.

## FAQ

- **Q:** Can the Ground Loop Isolator work with both analog and digital CCTV cameras?
- **A:** Yes, the Ground Loop Isolator supports analog formats like CVBS as well as digital formats like TVI, CVI, and AHD.
- **Q:** Does the Ground Loop Isolator require any additional power source for operation?
- **A:** No, the Ground Loop Isolator is a passive device that does not require any external power source to function.

Video ground loop isolators are passive devices that reduce ground loop interference with CCTV signals and can be easily installed in new or existing CCTV camera systems. These devices are useful where a video signal is transmitted via coaxial cable between points with different ground potentials.

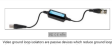
## Features

- 4-in-1 Ground Loop Isolator compatible with TVI, CVI, AHD & CVBS.
- BNC Male to BNC Female with mini cable.
- 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.
- Perfect to work with DVR to immunity DVR interference, for extra interference rejection.
- Built-in TVS (Transient Voltage Suppressors) for surge protection.

## Specification

Product Name	Ground Loop Isolator
Passive	Require no power
Support	Max. 720P,1080P 5MP TVI CVI AHD CVBS Cameras
Isolation Voltage	600V DC
Insulation resistance	100M Ohm
Input/output resistance	75ohm
Frequency response	0-3db at 10MHZ

CC53



CC53 CVBS Ground Loop Isolator

When used with a video camera, this device will prevent ground loops from causing video problems. The device will also protect the video camera from damage caused by power line surges.

Features:

- Prevents video ground loops from causing video problems.
- Protects video camera from power line surges.
- Prevents video camera from damage caused by power line surges.
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- Prevents video camera from damage caused by power line surges.

Model Name	CC53 CVBS Ground Loop Isolator
Model Number	CC53
Input Voltage	100V-240V AC
Output Voltage	100V-240V AC
Power Consumption	0.5W
Dimensions (mm)	25.4 x 12.7 x 12.7

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### CC53 CVBS Ground Loop Isolator, CC53, CVBS Ground Loop Isolator, Ground Loop Isolator, Loop Isolator

References

- [User Manual](#)

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