

# HD Coaxial Video Ground Loop Isolator

**Model TTBNC-ISO**

## Features

### HD Coaxial Video Ground Loop Isolator

- Compatible with all HD-TVI, HD-CVI, AHD & CVBS analog camera
- BNC male to BNC female with mini 20cm RG 59 coaxial pigtail lead on both sides.
- Passive, No power supply 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
- Directly connect to camera or DVR, Monitor, etc
- Ground Loop Circuit Isolation:  $>90\text{dB}$   $>50\text{Hz}$
- Insert Loss:  $\leq 0.5\text{ dB}$
- Dimensions: 50 \* 28 \* 28mm (L\*W\*H BNC connector included)



## Overview

TTBNC-ISO is a high performance and highly reliable HD coaxial video ground loop isolator that mainly uses for solving the signal interference problem caused by potential source of interference. It features two BNC jack of male and female with superior lightning protection. In actual use, the isolator is connected directly to the HD camera and DVR. Once the signal passed the isolator, it will become a clear video picture, without any ghost. It is widely used in various security monitoring system. No power, easy and convenient installation, and high performance.

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## Applications

- Security Monitoring System
- Multimedia Network Teaching System
- Medical Monitoring Display System
- Industrial Automation Control System
- Banking, securities, financial information display system
- Remote Network Server Monitoring
- Department Store Security
- Casino Security
- Hospitals, Airports and banks
- School Campuses



Before use



TTBNC-ISO



After use

# HD Coaxial Video Ground Loop Isolator

## Technical Specifications

Model		TTBNC-ISO
Product Name		HD TVI, CVI, AHD & CVBS Coaxial Video Ground Loop Isolator
Applied devices		CCTV/CATV system, Antenna of Television, FM receivers, video camera, monitors, multiplexers & Quad processor, VCR. VOD....etc.
Power	Insertion Loss	≤0.5dB
	Frequency Response	5Hz~10MHz
	Input Impedance	75Ω
	Output Impedance	75Ω
	Isolated Voltage	800V DC (MIN)
	Insulation Resistance	≥100MΩ
Protection	ESD Protection	1a contact discharge 3 degree 1b air discharge 3 degree IEC61000-4-2
	Surge Protection	4kV 10/700us, IEC61000 - 4 - 5
Stability	MTBF	> 20000H
Mechanical	Dimensions (L*W*H)	50 * 28* 28mm ( BNC connector included)
	Housing	ABS plastic
	Body Color	Black
	Net Weight	57g
Environment	Operating Temperature	-20° ~ 60° C
	Storage Temperature	-30° ~ 80° C
	Relative Humidity	0-95% (non-condensing)

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## Application Diagram

