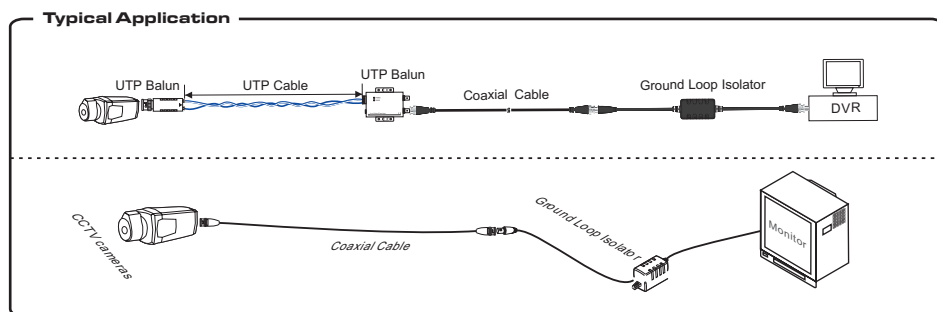


CCTV GROUND LOOP ISOLATOR

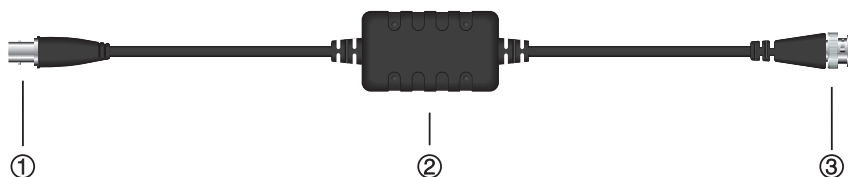
The product is a ground loop isolator for CCTV video. It can effectively eliminate interference like distortion, tearing, cross striation, reticulate pattern and snowflake caused by earth potential difference. The isolation voltage reaches 800V. It features super surge protection and can be widely used in CCTV video transmission.



Features

- Eliminate image distortion caused by ground loops.
- Eliminate problems as image tearing, cross-talk, rolling and so on.
- Protect CCTV system from interference of electrical cable.
- Built-in 800V video isolator, eliminate interference effectively working with DVR.
- Built-in super surge protection circuit.
- Compact, simple for connection via BNC.
- Passive, no need for power supply.

Panel Diagram



NO.	Component	Description
①	BNC-Female	Video Input
②	Plastic Module	The body of isolator
③	BNC-Male	Video Output

Please follow the next application steps:

1. Cut off power of camera, DVR, monitor and other devices.
2. Connect an end of coaxial cable with BNC-F of the isolator.
3. Connect the other end of coaxial cable with CCTV camera or UTP Balun(receiver).
4. Connect BNC-M of the isolator with the monitor or DVR.

Specification

Items		Parameters
Function Properties	Insertion Loss	0.5dB
	Frequency Response	0-10MHz
	Input Impedance	75Ohms
	Output Impedance	75Ohms
	Isolation Voltage	800V (Minimum)
	Isolation Resistance	100M Ohms
Protection	ESD Protection	Contact Discharge:6000V Air Discharge:8000V Per IEC61000-4-2
	Surge Protection	4KV 10/700us, Per IEC6100-4-5
Reliability	MTBF	>10000h
Physical Properties	Size (LWH)	The body: 55mm*30mm*22mm; Total length:550mm
	Outer Shell	ABS Plastic
	Color	Black
	N.W.	77g
Environmental	Operation Temperature	-22°C-50°C
	Storage Temperature	-40°C-80°C
	Relative Humidity	0-95%

Troubleshooting

If any trouble during application, Please follow the next steps:

- Please check if it's following the vendor's manual;
- Make sure if every BNC works well;
- If the real transmission distance is not longer than the max distance;
- Check if the cable is quality;
- Replace the non working isolator with a new one;
- If the trouble still exists, please contact your vendor.

Package Contents

- Ground Loop Isolator (1 pc)
- Application manual (1 pc)