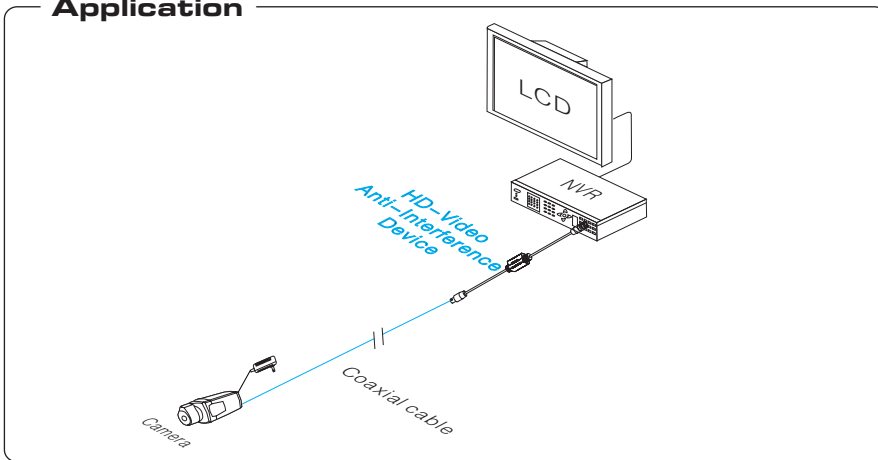


HD-Video Anti-Interference Device User Manual

VerB 1.0

HD-Video Anti-Interference Device is a passive high-efficient and high-reliable ground loop isolator for HDCVI/HDTV/AVHD/Analog video signal over coaxial cable. Its magnetic isolation technology adoption can effectively solve the interference issues caused by different ground potential during the signal transmission, which improve the video anti-interference capability and effectively eliminate the splitting and scrolling pictures. The device embedded lightning protection system improves the stability. It is widely used in various complicated security surveillance projects.

Application



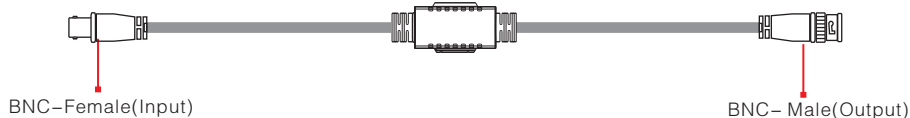
Features

- Passive, no power required;
- Eliminate Video distortion caused by ground loops circuit;
- Eliminate issues as image tearing, cross-talk, rolling and so on;
- Fully compatible with HDCVI, HDTV, AVHD, Analog Video signals;
- Built-in 800v insulated voltage;
- Excellent anti-interference capability, superior lightning-protection, ESD and EFT capability;
- Support unibody, with small volume.

Caution

Please use RG59 or above coaxial cable or Cat5e/6 cable to reach the longest transmission distance.

Board Diagram



Installation steps

Please check the following items before installation. If any missing, please contact dealer.

- HD-Video Anti-Interference Device 1 pcs
- User Manual 1 pcs

Please follow the steps as below:

- 1) Turn off the power supply of all the related devices before the installation, or the device would be damaged;
- 2) Check if the coaxial cable and other transmission lines are occupied by other devices;
- 3) Connect the BNC-M of the device to the NVR;
- 4) Connect the BNC-F of the device to the CCTV camera by coaxial cable;
- 5) Check if the installation is correct and device is good, make sure all the connection is reliable, power on the system;
- 6) Make sure the network system can work regularly.

Specification

Items		Description
Function Properties	Insertion Loss	0.5dB
	Frequency Response	5Hz~70MHz
	Input Impedance	75Ω
	Output Impedance	75Ω
	Isolation Voltage	800V(Maximum)
	Isolation Resistance	100M Ohms
Protection	Surge Protection	Level3 Per IEC61000-4-5
	ESD Protection	Contact Discharge: 6KV Air Discharge: 8KV Per IEC61000-4-2
Environment	Operation Temperature	-10°C~55°C
	Storage Temperature	-40°C~85°C
	Humidity (non-Condensing)	0~95%
Mechanical	Dimensions (L×W×H)	41mmX24.5mmX21.6mm
	Material	ABS Plastics
	Color	Black
	Weight	51g

Product specification subject to change without prior notice.

Troubleshooting

Please find the following solution when the device doesn't work:

- Please make sure you have followed the instruction to install the device;
- The transmission distance depends on the signal source and cable quality, please do not exceed the maximum transmission distance;
- Please replace a failure device with a proper one to check if the device is damaged;
- If the problem still exists, please contact the factory.