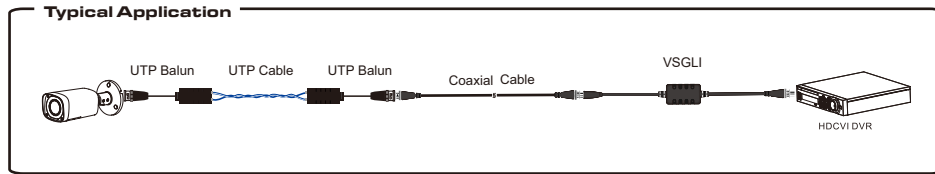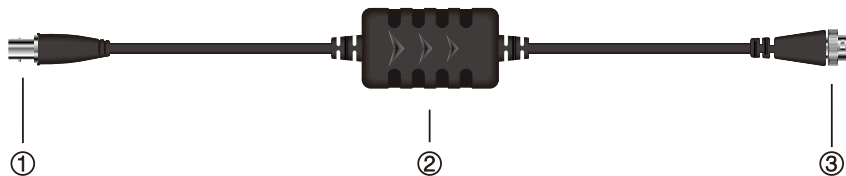# HD VIDEO ISOLATOR

The device is an HD video isolator for HDCVI/TVI/AHD. It Built in a highly balanced mode of video transmission, which is immune to interference from these, and other sources of noise: Data signals, other video signals, nearby power, ringing telephones, fluorescent lights,and transformers, etc.

Typical Application

UTP Balun   UTP Cable   UTP Balun   Coaxial Cable   VSGLI

HDCVI DVR

■ Features

● Support the PTZ data control
● Support 720P&1080P&4K resolution,compatible with HDCVI/TVI/AHD.
● Eliminate problems as image tearing,cross-talk,rolling and so on.
● Protect HD video system from interference of electrical cable.
● Perfect work with DVR to immunity DVR interference.
● Compact, simple for connection via BNC.
● Passive, no need for power supply.

■ Panel Diagram

① ② ③

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

Please follow the next application steps:

1. Cut off power of HD camera, HD 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 HD camera or UTP Balun(receiver).
4. Connect BNC−M of the isolator with the monitor or HD DVR.

■ Specification

Items		Parameters
Function Properties	Insertion Loss	0.5dB
	Frequency Response	0-75MHz
	Input Impedance	75Ohms
	Output Impedance	75Ohms
	Isolation Resistance	100M Ohms
Protection	ESD Protection	Contact Discharge:6000V Air Discharge:8000V Per IEC61000-4-2
	Surge Protection	4KV 10/700us,Per IEC61000-4-5
Reliability	MTBF	>20000h
Physical Properties	Size（LWH）	The body：41.5mm*22.5mm*16.5mm; Total length:400mm
	Outer Shell	ABS Plastic
	Color	Black
	N.W.	38g
Environmental	Operation Temperature	−20℃~55℃
	Storage Temperature	−40℃~70℃
	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

● HD Video Transform Filter   (1 pc)
● Application manual   (1 pc)