



## GROUND LOOP ISOLATOR

### *What is the use of a ground loop isolator ?*

A ground loop isolator remove earth loop interference problems from CCTV systems.



### *Why my system has such problems ?*

An earth loop interference may occur when there is more than one ground or earth between two pieces of equipment. Because there is multiple ground paths, loops are formed in which current can flow. The current flows through the shield of coaxial cable and it picks the interference up and carries it to the inputs of CCTV equipment. This equipment interprets this interference as part of the video signal and displays it on the monitor as a rolling "hum bar".

### *How works the ground loop isolator ?*

The ground loop isolator terminates ground loop currents in a cable and blocks the hum and interference carried in the ground loop.



CCTV image with a ground loop problem



CCTV image where a ground loop isolator has been used

### Specifications:

<b>Connector:</b>	BNC male to BNC female
<b>Insertion Loss:</b>	0.5dB
<b>Frequency response:</b>	0-3dB at 10MHz
<b>Input Resistance:</b>	75 ohm
<b>Output Resistance:</b>	75 ohm
<b>Typical distance:</b>	300 m
<b>Isolation Voltage:</b>	600VDC (min)
<b>Insulation Resistance:</b>	100m Ohm
<b>Transient Voltage Suppressors:</b>	12 Vrms
<b>Material:</b>	ABS black
<b>Dimensions:</b>	3.09"x1.15"x0.96" (78.6mm x29.4mm x24.4mm)