



# DTK-GLI

## Ground Loop Isolator General Product Specifications

DITEK's GLI (Ground Loop Isolator) is a passive device that utilizes state-of-the-art hybrid circuit technology to cure video distortion caused by ground loops.



DTK-GLI

### Ground Loop Defined

A difference in potential can be introduced when two power distribution systems, such as what is found in two separate buildings, supply power to the camera and head end equipment independently of each other where the impedance of the electrical ground varies. The result is the presence of AC current in the cable shield.

Typical symptoms are "hum" which appears on one or more horizontal bars, horizontal tearing or pulling, and vertical rolling.

### DTK-GLI

#### Product Features

- Protects and restores the video signal
- Multi-stage, hybrid design
- Small footprint easy installation
- Connects in series
- Prevents video signal distortion caused by video ground loops.
- Passive device allows for two-way communication of control/video
- Ten Year Limited Warranty

#### Specifications

**Connection Method:** BNC Female In/Out

**Impedance:** 75 Ohms

**Insertion Loss:** 1.1dB (5 MHz)

**Common Mode Ground Loop Rejection Rate:**  
90 dB at 50/60 Hz

**Dielectric Withstand Voltage:**

1000VAC @ 60Hz for 2 seconds

**Operating Temperature:** -40°F - 158°F (-40°C - 70°C)

**Maximum Humidity:** 95% non-condensing

**Dimensions:** 1.3"H x 3.0"W x 2.4"D

(33.02mm x 76.20mm x 60.96mm)

**Weight:** 4oz (113g)

**Housing:** ABS