

# Vi1060

## Video Ground Loop Isolation Transformer

### Features

- Eliminates video ground loop distortions
- Low insertion loss and constant group-delay
- Flat frequency and linear phase response
- NTSC, PAL, and SECAM video formats
- Support for "up-the-coax" type signals
- No power required
- Eliminates DC offset
- Wide bandwidth 10 Hz to 8 MHz
- Compact size and easy in-line or wall-mount installation
- Light Aluminum rugged packaging
- 700 VDC isolation voltage
- Limited lifetime warranty



### Applications

- Security and surveillance
- Video systems
- Casino security
- Hospitals and airports

The Vigitron Vi1060 is a high resolution video isolation transformer designed for base-band composite video signals. The annoying and potentially damaging hum bars on the screen are caused by ground voltage potential differences between your video equipment that is called ground loop. The Vi1060 provides complete isolation between devices and eliminates video hum bars, ground loops, and DC offsets which can degrade picture quality and potentially damage video equipment.

The Vi1060 connects easily to your video equipment through coax cables close to the receiving equipment such as monitors. It benefits from a unique manufacturing technique as well as a revolutionary packaging that preserves its specifications in different environments. Its wide bandwidth and low insertion loss makes it an ideal solution for eliminating ground loop problems for a wide variety of applications.

### Application Diagram



The Smart Choice for Quality Video

[www.vigitron.com](http://www.vigitron.com)

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# Technical Specification

## Electrical

Video Format	NTSC, PAL, SECAM
Frequency	10 Hz to 8 MHz
Input Impedance	75 Ohm
Output Impedance	75 Ohm
Max. Output Level	4 Vpp/75Ω
Insertion Loss	0.8 dB
Power	No power required
Connectors	Camera side: Isolated male BNC Monitor side: Isolated male BNC
Isolation Voltage	700 VDC
Insulation Resistance	100 Mega Ohms

## Environmental

Humidity	0 to 95%, non-condensing
Temperature	Operating: -10°C to +50°C Storage: -30°C to +70°C

## Mechanical

Dimensions	2.14x1.4x3.66 in., 55x3.5x9.3 cm
Weight	0.35 lb, 162 g
Material	Aluminum

\*Specifications subject to change without notice.

## Ordering Information

PART No.	Description
Vi1060	Video Isolation Transformer

## System Configuration

