

# Vi1061

## Video 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
- Wide bandwidth from 20 Hz to 5.5 MHz
- Compact size and easy in-line or wall-mount installation
- Compact and rugged packaging
- 500 V DC isolation voltage
- Limited lifetime warranty



### Applications

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

The Vigatron Vi1061 is a 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 Vi1061 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 Vi1061 connects easily to your video equipment through coax cables close to the receiving equipment such as monitors. It benefits from a unique 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.vigatron.com](http://www.vigatron.com)

DSVi1061\_0210

# Technical Specification\*

## Electrical

Video Format	NTSC, PAL, SECAM
Frequency	20 Hz to 5.5 MHz
Input Impedance	75 Ohm
Output Impedance	75 Ohm
Max. Input Level	4 Vpp/75Ω
Insertion Loss	0.8 dB
Power	No power required
Connectors	Camera side: female BNC Monitor side: male BNC
Isolation Voltage	500 V DC
Insulation Resistance	100 MOhms

## Environmental

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

## Mechanical

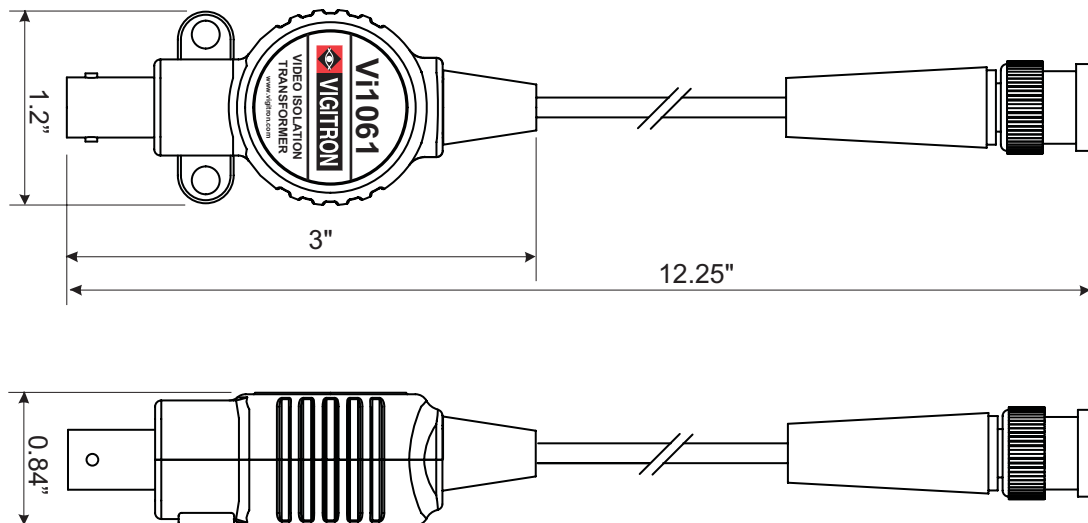
Dimensions	12.25x1.2x0.84 inches (31x3x2.2 mm)
Weight	2.3 oz (66 g)
Material	ABS

\*Specifications subject to change without notice.

## Ordering Information

PART No.	Description
<b>Vi1061</b>	<b>Video Isolation Transformer</b>

## System Configuration



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