



DVI Galvanic Isolator



EXT-DVI-GI

Isolate the source used in an imaging system from downstream equipment to ensure safety in the operating room

The Gefen DVI Galvanic Isolator is used in mission-critical applications where galvanic isolation between the connected DVI (source and display) is required to eliminate the potential for ground loops and to provide decoupling between various devices used in a High-Definition video system. This is a safety requirement in applications such as medical imaging systems where certain components of the system (such as endoscopy cameras) come in direct contact with the patient and the medical operator. It is compliant with the 3rd Edition of medical equipment safety and EMC standards EN60601-1 and EN60601-1-2.

How It Works

Using the included DVI cable, connect the imaging source, such as a camera, to the DVI input of the DVI Galvanic Isolator. Connect the output of the DVI Galvanic Isolator to the next DVI component in the system such as a video scaler or a high resolution display. Connect the supplied 5V DC power supply to the locking connector on the DVI Galvanic Isolator and to an available electrical outlet. Power up the systems after all the cables and power connections are made.

Features*

- Provides up to 5kV full galvanic isolation between DVI components
- Supports resolutions up to 1920 x 1200 (WUXGA)
- HDCP pass-through
- EDID pass-through
- HPD pass-through
- Grounding terminal
- Isolation between the input and out DVI
- Locking power supply connector
- Compliant with Medical Standards EN60601-1 and EN60601-1-2, 3rd Edition

Specifications*

- Maximum Pixel Clock: 165MHz
- Input Connector: (1) DVI 29-pin, female (digital only)
- Output Connector: (1) DVI 29-pin, female (digital only)
- Power Indicator: (1) LED, blue
- Power Supply: (1) 5V DC, locking connector
- Operating Temperature: 0°C to +45°C
- Storage Temperature: -20°C to +70°C
- Relative Humidity: 10% to 90%, non-condensing
- Atmospheric Pressure: 50 kPa to 106kPa
- Dimensions (W x H x D): 5.8" x 1.2" x 3.5" (146mm x 30mm x 85mm)
- Shipping Weight: 2 lbs. (0.9 kg.)



**HDCP
COMPLIANT**

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