

# SILORA R&D

The vision of innovation



## iDVI11 - 5KV DVI Galvanic Isolator

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

Insuring patient and medical staff safety and maintaining image quality that is so critical for making the right medical decision Silora R&D's iDVI11 DVI Isolator maintains high video signal quality with fully galvanic isolation between source and sinks, thus enabling the connection of patient-side diagnostics systems such as Endoscopes with in-room video displays and other high-definition video devices.

### How It Works

Medical imaging system (i.e minimal invasive surgery, Endoscopes, camera) are connected via a DVI cable, to the DVI input of iDVI11. The

output of the iDVI11 is connected to a non-isolated device such as high resolution display power is supplied via a locking connector.

### Features

- Provides up to 5KV full galvanic isolation between DVI components
- Supports resolutions up to 1920 X 1200 (WUXGA)
- EDID and HPD pass-through
- Grounding terminal
- Isolation between the input and out DVI
- Locking power supply connector
- Comply to IEC60601-1, IEC60601-1-2, Safety and EMC

### DVI Application Scenario



## Specification

- Galvanic isolation: 5KV between DVI components
- Max. Pixel Clock: 165MHz
- Supports resolutions up to 1920 X 1200 (WUXGA)
- Input DVI Connector: DVI, female
- Output DVI Connector: DVI, female
- Power Supply: 5 VDC, 2 Amp, medical grade, via locking connector

- Operation Temp: 0°C to 45°C without any degradation in image quality
- Compliance: IEC60601-1, IEC60601-1-2, CE, RoHs, WEEE, UL-60950-1.
- Do not contain DEHP / BPA
- Dimensions: (W x H x D): 5.8" x 1.2" x 35" (146mm x 30mm x 85mm)
- Shipping Weight: 2 lbs. (0.9 kg)
- Storage conditions: -10°C to + 70°C

**SILORA R&D**

multimedia distribution & switching solutions

Contact us to learn more  
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