



PureLink

DVI-DOC

Digital Signal Isolator

Owner's Manual

PureLink™

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1. DVI-DOC Package Contents

Please make sure all of the following items are included in the package:

- 1) DVI-DOC Module
- 2) DC 5V Power Supply
- 3) User Manual

2. General Specification

DVI-DOC product is Purelink's first digital signal isolator, simply disconnecting power supply adapter from the DVI-DOC will allow the user to easily isolate the transmission of signal between a video source and display device.

| Model | DVI-DOC |
|--------------------------------|---|
| Input Signal | Digital RGB(DVI), Single Link 3.5mm Analog Stereo Audio |
| Output Signal | Digital RGB(DVI), Single Link 3.5mm Analog Stereo Audio |
| Supporting Display Resolutions | VGA(640x480)~HDTV(1920x1080)/WUXGA(1920x1200) |
| Max. Distance | Max. 50M(165ft) |
| Connector Type | Input : 29 PIN DVI-I Connector Output : 29 PIN DVI-I Connector Audio:3.5mm Stereo Jack Power: 2mm DC Connector |
| Power Supply | DC +5V |
| Dimension | 69 x 26 x 55 mm, 2.7 x 1.0 x 2.2 inches. W x H x D |
| Weight | 150g, 0.33 lbs |

3. Operation and Reliability Specification

1. Operating Environment

Temperature: 50F ~ 104F (10°C~ 40°C), Humidity: 10% ~ 80% , Altitude: 3,000m Max.

2. Transit Environment

Temperature: -13F ~ 140F (-25°C~ 60°C), Humidity: 5% ~ 95%, Altitude: 15,000m Max.

3. Storage Environment

Temperature: -4F ~ -49F (-20°C~ 45°C), Humidity: 5% ~ 95% , Altitude: 3,000m Max.

4. Reliability

MTBF: 90% at over 50,000 hours aging test

- In compliance with LCD Monitor reliability test standard

4. Main Features

1. 50 meter long DVI cable compensation.
2. Providing 5V power to the connected fiber optic extension cable.

5. Installation and Connection Instructions

◆Important: Please use the installation procedure below.
Improper or no operation may result if the start-up sequence is not correctly followed.

Step 1

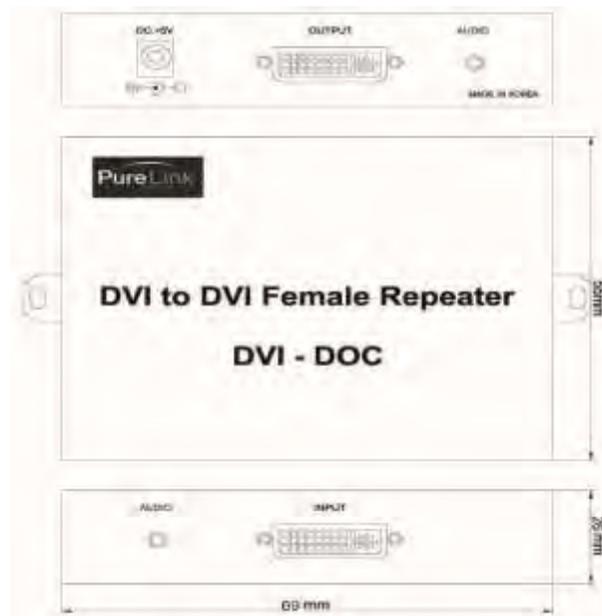
Connect DVI and audio cable to DVI-DOC

Step 2

Connect Power adapter to DVI-DOC

6. DVI-DOC Specification

Dimensions: 69 x 26 x 55 mm, 2.7 x 1.0 x 2.2 inches. W x H x D



Connection Ports:

- ◆ INPUT: DVI-D Input
- ◆ OUTPUT: DVI-D Output
- ◆ DC +5V: Power Supply Unit
- ◆ AUDIO: 3.5mm Stereo Audio In, Out

7. Technical Specification

| | |
|----------------------------------|-----------------------------|
| ◆Data Transfer Speed: | Up to 2.25 Gbps(Deep Color) |
| ◆Frequency Range: | 25 ~ 165 Mhz |
| ◆Supporting Display Resolutions: | Up to WUXGA(1920x1200)@60Hz |
| ◆Max Distance: | Single Link - 50M(164ft) |
| ◆Input Ports: | DVI-D Female 29P |
| ◆Output Ports: | DVI-D Female 29P |
| ◆Audio Ports: | 3.5' Stereo Jack |
| ◆ Power Supply: | 5V DC / 1.0A |

8. Warranty

2 (Two) Years Warranty

Dtrovision warrants this DVI-DOC to be free from defects in workmanship and materials, under normal use and service, for a period of two (2) years from the date of purchase from Dtrovision or its authorized resellers.

If a product does not work as warranted during the applicable warranty period, Dtrovision shall, at its option and expense, repair the defective product or part, deliver to customer an equivalent product or part to replace the defective item, or refund to customer the purchase price paid for the defective product.

All products that are replaced will become the property of Dtrovision.

Replacement products may be new or reconditioned.

Any replaced or repaired product or part has a ninety (90) day warranty or the remainder of the initial warranty period, whichever is longer.

Dtrovision shall not be responsible for any software, firmware, information, or memory data of customer contained in, stored on, or integrated with any products returned to Dtrovision for repair under warranty or not.

2. Warranty Limitation and Exclusion

Dtrovision shall have no further obligation under the foregoing limited warranty if the product has been damaged due to abuse, misuse, neglect, accident, unusual physical or electrical stress, unauthorized modifications, tampering, alterations, or service other than by Dtrovision or its authorized agents, causes other than from ordinary use or failure to properly use the Product in the application for which said Product is intended.