



Extends DVI up to 1640 ft.

Related Products



DVI-1000ST

DVI•1000HD

Extends DVI up to 1640 feet (500 meters) over fiber optics cables.

The Gefen DVI-1000HD allows a single link video signal to be extended over long distances by using multimode LC-LC fiber optic cable. Fiber Optics technology allows the DVI-1000HD to carry video signals over long distances that would not be possible with traditional CAT5 extension. The use of fiber optic cabling protects the video signal from electromagnetic interference (EMI) which can degrade the video signal.

How It Works

The DVI•1000HDS sender unit sits next to your computer, set-top box or DVD player source. Cables supplied with the DVI•1000HD connect your DVI source to the send unit. The DVI•1000HDR receive unit sits next to your DVI display - up to 1640 feet (330 feet HDCP) away. The display plugs into the back of the DVI•1000HDR receiver unit. One CAT-5 cable and a multimode LC fiber optic cable (4 strand) connect the DVI•1000HDS and the DVI•1000HDR units to each other.

Note: The DVI•1000HD is HDCP compatible.

[DVI, HDCP, & HDMI Defined](#)

Features:

- Extends any DVI (digital visual interface) compliant device up to 1640 feet/500 meters (330 feet with HDCP) from the computer
- Uses a four-strand multimode LC-LC fiber optic cable for video signals
- Uses one CAT-5 cable for DDC and control signals
- Eliminates computer noise where you work
- Supports resolutions up to 1080p, 2K, and 1920 x 1200
- Supports DDWG standard for DVI compliant monitors
- HDCP compliant

Specifications:

- Video Amplifier Bandwidth: 165 MHz
- Input Video Signal: 1.2 volts p-p
- Input DDC Signal: 5 volts p-p (TTL)
- DVI Connector: DVI-D (19 pin) female
- Video Link Connector: LC
- DDC Link Connector: RJ-45 Shielded
- Power Supply: 12V DC
- Power Consumption: 36 watts (max)
- Dimensions: 3.25" D x 4.25" W x 1" H
- Shipping Weight: 5 lbs.
- Rack mountable: 1U rack space

Package Includes:

- DVI•1000HDS
- DVI•1000HDR
- One 12V Power Supply
- One 6 ft DVI-SL cable (M-M)
- User Manual

EXT-DVI-1000HD



DVI • 1000HD
USER MANUAL

www.gefen.com

ASKING FOR ASSISTANCE

Technical Support:

Telephone (818) 772-9100
(800) 545-6900

Fax (818) 772-9120

Technical Support Hours:

8:00 AM to 5:00 PM Monday thru Friday.

Write To:

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C/O Customer Service
20600 Nordhoff St.
Chatsworth, CA 91311

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www.gefen.com

Notice

Gefen Inc. reserves the right to make changes in the hardware, packaging and any accompanying documentation without prior written notice.

The DVI 1000 is a trademark of Gefen Inc.

TABLE OF CONTENTS

- 1 Introduction
- 2 Front Panel Descriptions
- 3 Back Panel Descriptions
- 4 How To Connect The DVI 1000
- 5 How To Connect The DVI 1000 (w/o DDC)
- 6 DVI 1000 Wiring Diagram
- 7 Specifications
- 8 Warranty

OPERATION NOTES

READ THESE NOTES BEFORE INSTALLING OR OPERATING THE DVI 1000

- The fiber optics cable must be treated carefully when connectors are exposed. They are susceptible to dust which can contribute to loss of pixels.
- The DVI 1000 works for all DVI displays and supports resolutions up to 1920x1200
- The DVI 1000 is housed in a metal box for better RF shielding.
- Supports DDWG standard for DVI compliant monitors
- Uses CAT-5 cable for HDCP/DDC and control signals.

INTRODUCTION

Thank you for purchasing Gefen' s extend•it DVI 1000. The DVI 1000 allows extension of DVI up to 1640 feet without losing any quality.

CONTENTS

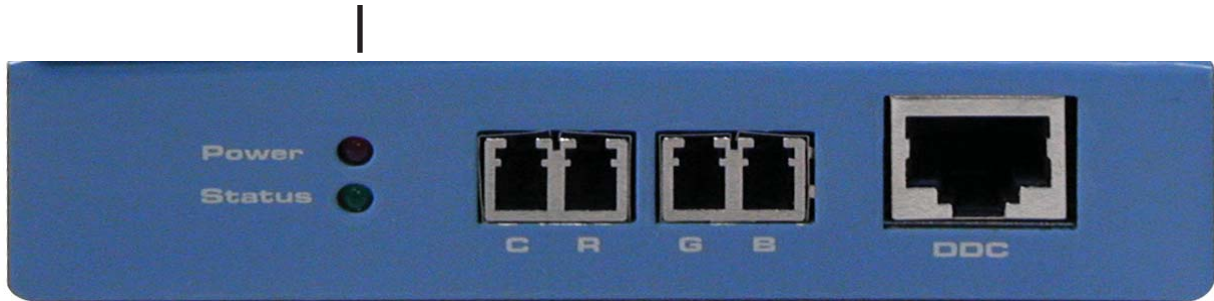
The DVI 1000 consists of:

- (1) DVI 1000S
- (1) DVI 1000R
- (1) DVI cable (6FT)
- (1) 12VDC Power Supply
- (1) User's Manual

FRONT PANELS DESCRIPTIONS

DVI 1000 Sender (Front View Only)

Power LED indicates the unit is powered

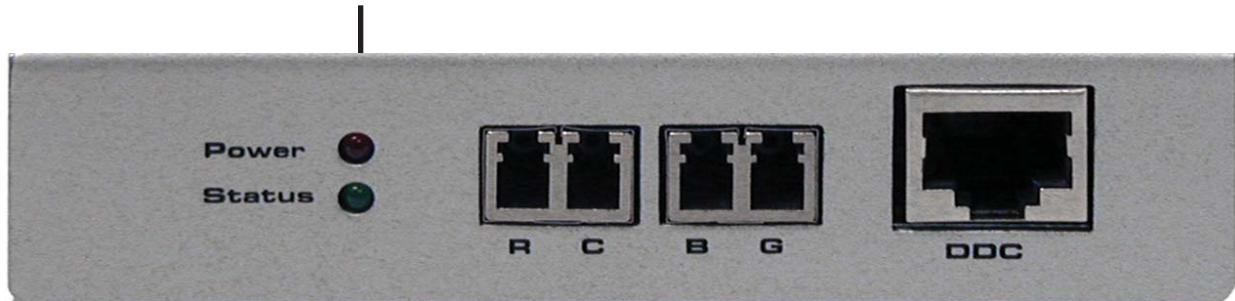


Status LED indicates a link between the sender and receiver

Clock Red Green Blue HDCP & DDC Signals

DVI 1000 Receiver (Front View Only)

Power LED indicates the unit is powered



Status LED indicates a link between the sender and receiver

Red Clock Blue Green HDCP & DDC Signals

BACK PANELS DESCRIPTIONS

DVI 1000 Sender (Rear View Only)



—
DVI Input

—
12 VDC Input

DVI 1000 Receiver (Rear View Only)



—
DVI Output

—
12 VDC Input

HOW TO CONNECT THE DVI 1000

- 1 Connect the DVI 1000 sender unit to the DVI source using the supplied cables.
- 2 Connect the DVI 1000 receiver unit to your DVI display.
- 3 Connect the four fiber optics and one CAT5 cable between the sender and receiver.
- 4 Plug the 12VDC power supplies into the DVI 1000 receiver.
- 5 You should see a beautiful picture.

* Cable Requirement - 50 or 62.5 micron multimode fiber optics cable

HOW TO CONNECT THE DVI 1000 (w/o DDC)

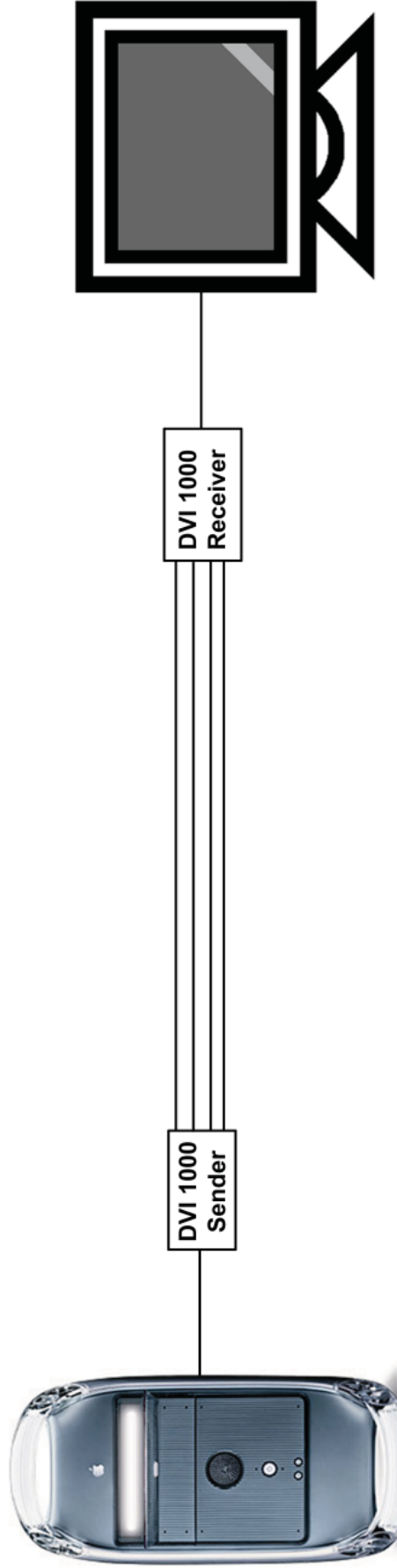
The DVI 1000HD can be hooked up without using the CAT5 if DDC is not needed. A second power supply will be required to power the receiver unit in this setup.

For computer extensions where EDID is needed, a DVI Detective can be purchased to store the EDID of the display.

- 1 Connect the DVI 1000 sender unit to the DVI source using the supplied cables.
- 2 Connect the DVI 1000 receiver unit to your DVI display.
- 3 Connect the four fiber optics between the sender and receiver.
- 4 Plug the 12VDC power supplies into the DVI 1000 sender.
- 5 Plug the 12VDC power supplies into the DVI 1000 receiver.
- 6 If using a DVI Detective attach it in between the computer and the sender
- 7 You should see a beautiful picture.

* Cable Requirement - 50 or 62.5 micron multimode fiber optics cable

Please note! Connect the DVI 1000 sender into the source, and connect the DVI 1000 receiver into the display.
You must also make sure that the fiber optics cables are going straight across, ie: R to R, G to G, B to B, and C to C.



SPECIFICATIONS

Video Amplifier Bandwidth	1.65 GHz
Input Video Signal	1.2 volts p-p
Input DDC Signal	5 volts p-p (TTL)
Single Link Range	1920 x 1200
DVI Input/Output Connector Type	DVI-D
Link Connector	RJ-45
Fiber Requirement	50 or 62.5 micron multimode fiber
Power Consumption	15 Watts (max.)
Power Supply	12VDC
Dimensions	3.25"D x 4.25 "W x 1"H
Shipping Weight	5 Lbs

WARRANTY

Gefen Inc. warrants the equipment it manufactures to be free from defects in material and workmanship.

If equipment fails because of such defects and Gefen Inc. is notified within two (2) year from the date of shipment, Gefen Inc. will, at its option, repair or replace the equipment, provided that the equipment has not been subjected to mechanical, electrical, or other abuse or modifications.

Equipment that fails under conditions other than those covered will be repaired at the current price of parts and labor in effect at the time of repair. Such repairs are warranted for ninety (90) days from the day of reshipment to the Buyer.

This warranty is in lieu of all other warranties expressed or implied, including without limitation, any implied warranty or merchantability or fitness for any particular purpose, all of which are expressly disclaimed.

1. Proof of sale may be required in order to claim warranty.
2. Customers outside the US are responsible for shipping charges to and from Gefen.
3. Copper cables are limited to a 30 day warranty and cable must be free from any scratches, markings, and neatly coiled.

The information in this manual has been carefully checked and is believed to be accurate. However, Gefen Inc. assumes no responsibility for any inaccuracies that may be contained in this manual. In no event will Gefen Inc., be liable for direct, indirect, special, incidental, or consequential damages resulting from any defect or omission in this manual, even if advised of the possibility of such damages. The technical information contained herein regarding the DVI 1000 features and specifications is subject to change without notice.