

DVI to VGA Converter

User's Guide



Models
C-DVI-VGA

© 2008 Avenview Inc. All rights reserved.

The contents of this document are provided in connection with Avenview Inc. ("Avenview") products. Avenview makes no representations or warranties with respect to the accuracy or completeness of the contents of this publication and reserves the right to make changes to specifications and product descriptions at any time without notice. No license, whether express, implied, or otherwise, to any intellectual property rights is granted by this publication. Except as set forth in Avenview Standard Terms and Conditions of Sale, Avenview assumes no liability whatsoever, and disclaims any express or implied warranty, relating to its products including, but not limited to, the implied warranty of merchantability, fitness for a particular purpose, or infringement of any intellectual property right.

Reproduction of this manual, or parts thereof, in any form, without the express written permission of Avenview Inc. is strictly prohibited.

Table of Contents

Section 1: Getting Started	3
1.1 Important Safeguards	3
1.2 Safety Instructions	4
1.3 Regulatory Notices Federal Communications Commission (FCC)	4
1.4 Introduction	4
1.5 Package Contents.....	4
1.6 Before Installation.....	5
1.7 Installation	5
1.8 General Troubleshooting	6
1.9 Caution.....	6
Section 2: Specifications.....	7
2.1 Signal Pin Assignment	7

Section 1: Getting Started

1.1 Important Safeguards

Please read all of these instructions carefully before you use the device. Save this manual for future reference.

What the warranty does not cover

- Any product, on which the serial number has been defaced, modified or removed.
- Damage, deterioration or malfunction resulting from:
 - Accident, misuse, neglect, fire, water, lightning, or other acts of nature, unauthorized product modification, or failure to follow instructions supplied with the product.
 - Repair or attempted repair by anyone not authorized by us.
 - Any damage of the product due to shipment.
 - Removal or installation of the product.
 - Causes external to the product, such as electric power fluctuation or failure.
 - Use of supplies or parts not meeting our specifications.
 - Normal wear and tear.
 - Any other causes which does not relate to a product defect.
- Removal, installation, and set-up service charges.

1.2 Safety Instructions

- Do not dismantle the housing or modify the module.
- Dismantling the housing or modifying the module may result in electrical shock or burn.
- Refer all servicing to qualified service personnel.
- Do not attempt to service this product yourself as opening or removing housing may expose you to dangerous voltage or other hazards
- Keep the module away from liquids.
- Spillage into the housing may result in fire, electrical shock, or equipment damage. If an object or liquid falls or spills on to the housing, unplug the module immediately.
- Have the module checked by a qualified service engineer before using it again.

1.3 Regulatory Notices Federal Communications Commission (FCC)

This equipment has been tested and found to comply with Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

Any changes or modifications made to this equipment may void the user's authority to operate this equipment.

1.4 Introduction

Avenview C-DVI-VGA converts digital graphics signal of your PC to analog VGA signal, so that the PC, notebook or console systems with DVI output can be connected to display devices such as LCD monitor, projector or TV with VGA only input easily and conveniently.

- Input Connector: DVI Receptacle
- Output Connector: 15 pin D-Sub
- Compatible with DVI Standard by DDWG
- Support VGA, SVGA, XGA, SXGA, UXGA, SUXGA resolution

1.5 Package Contents

Before you start the installation of C-DVI-VGA, please check the package contents.

- C-DVI-VGA Converter x 1 pc
- User's Manual

1.6 Before Installation

- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate power supply is used then it may cause a fire.



1.7 Installation

Follow these steps to connect Avenview C-DVI-VGA converter:

1. Connect the DVI connector to the PC, Laptop, Projector or Console System
2. Connect VGA connection to Monitor, TV or Projector

1.8 General Troubleshooting

Problem	Possible Solution
No Image	<ul style="list-style-type: none">• Check if the PC Power is on• Check if connection to the computer and monitor or TV is correct.• Turn the PC Power off and on again.• Check if C-DVI-VGA power adapter is connected
Screen Defects Appear	<ul style="list-style-type: none">• This product supports up to WUXGA resolution.• Check the maximum resolution range of the graphics card.

1.9 Caution

1. Do not put heavy object on top of the C-DVI-VGA. It may cause product malfunction.
2. Put the product on even and stable location. If the product falls down or dropped, it may get damaged.
3. Use DC power adapter with correct specification. Otherwise it may cause fire.

Section 2: Specifications

Item	Description
Input	DVI Digital Single Link
Output	Analog VGA
Frequency	165Mhz
Power Consumption	0.54 Watt (max)
Supported Resolution and Distance	VGA, SVGA, XGA, SXGA, UXGA, WUXGA
Dimension	128 x 85 x 25 (mm)

2.1 Signal Pin Assignment

Input

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	T.M.D.S. Data2-	9	T.M.D.S. Data1-	17	T.M.D.S. Data0-
2	T.M.D.S. Data2+	10	T.M.D.S. Data1+	18	T.M.D.S. Data0+
3	T.M.D.S. Data2 Shield	11	T.M.D.S. Data1 Shield	19	T.M.D.S. Data0 Shield
4	No Connect	12	No Connect	20	No Connect
5	No Connect	13	No Connect	21	No Connect
6	DDC Clock	14	+5V Power	22	T.M.D.S. Clock Shield
7	DDC Data	15	Ground (for +5V)	23	T.M.D.S. Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S. Clock-

Output

Pin	Signal Assignment	Pin	Signal Assignment	Pin	Signal Assignment
1	RED	6	RGND	11	Unused
2	GREEN	7	GGND	12	Unused
3	BLUE	8	BGND	13	HSYNC
4	Unused	9	+5V	14	VSYNC
5	GND	10	SGND	15	Unused



Disclaimer

While every precaution has been taken in the preparation of this document, Avenview Inc. assumes no liability with respect to the operation or use of Avenview hardware, software or other products and documentation described herein, for any act or omission of Avenview concerning such products or this documentation, for any interruption of service, loss or interruption of business, loss of anticipatory profits, or for punitive, incidental or consequential damages in connection with the furnishing, performance, or use of the Avenview hardware, software, or other products and documentation provided herein.

Avenview Inc. reserves the right to make changes without further notice to a product or system described herein to improve reliability, function or design. With respect to Avenview products which this document relates, Avenview disclaims all express or implied warranties regarding such products, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, and non-infringement.