



AV Connectivity, Distribution And Beyond...

VIDEO WALLS VIDEO PROCESSORS
VIDEO MATRIX SWITCHES
EXTENDERS SPLITTERS WIRELESS
CABLES & ACCESSORIES

VGA to DVI Converter



Model #: C-VGA-DVI

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Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



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SECTION I: GETTING STARTED

I.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.

I.2 SAFETY INSTRUCTIONS

The Avenview C-VGA-DVI, VGA to DVI Converter has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the C-VGA-DVI should be used with care. Read the following safety instructions to protect yourself from possible injury and to minimize the risk of damage to the unit.




- ⚠ 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.
- ⚠ Do not use liquid or aerosol cleaners to clean this unit. Always unplug the power to the device before cleaning.



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.

Warning symbols	Description
	<p>ONLY USE THE PROVIDED POWER CABLE OR POWER ADAPTER SUPPLIED. DO NOT TAMPER WITH THE ELECTRICAL PARTS. THIS MAY RESULT IN ELECTRICAL SHOCK OR BURN.</p>
	<p>DO NOT TAMPER WITH THE UNIT. DOING SO WILL VOID THE WARRANTY AND CONTINUED USE OF THE PRODUCT.</p>
	<p>THE VIDEO BOARDS ARE VERY SENSITIVE TO STATIC. PLEASE ENSURE IF RACK MOUNTED OR INSTALLED ON A SURFACE, IT SHOULD BE IN A GROUNDED ENVIROMENT.</p>

	<p>⚠ WARNING</p>
	<p>Read & understand user guide before using this device.</p> <p>Failure to follow the proper installation instructions could result in damage to the product and preventing expected results.</p>




2. INTRODUCTION

Avenview C-VGA-DVI converts analog VGA signal from Desktop or Laptop to DVI digital signal, so that any DVI compatible monitors such as LED, LCD or Projectors can be utilized.

- Converts VGA to DVI Signal
- Output Connector: DVI 24 pin (female), 15 pin D-sub (female)
- Input Connector: 15 pin D-Sub
- Compatible with DVI Standard by DDWG
- Manual screen control key for corresponding to versatile resolution
- Supports up to WUXGA(1920X1200)@60Hz and 1080p(1920x1080) and
- UXGA, WSXGA+, SXGA, XGA, SVGA, VGA resolution

2.1 PACKAGE CONTENTS

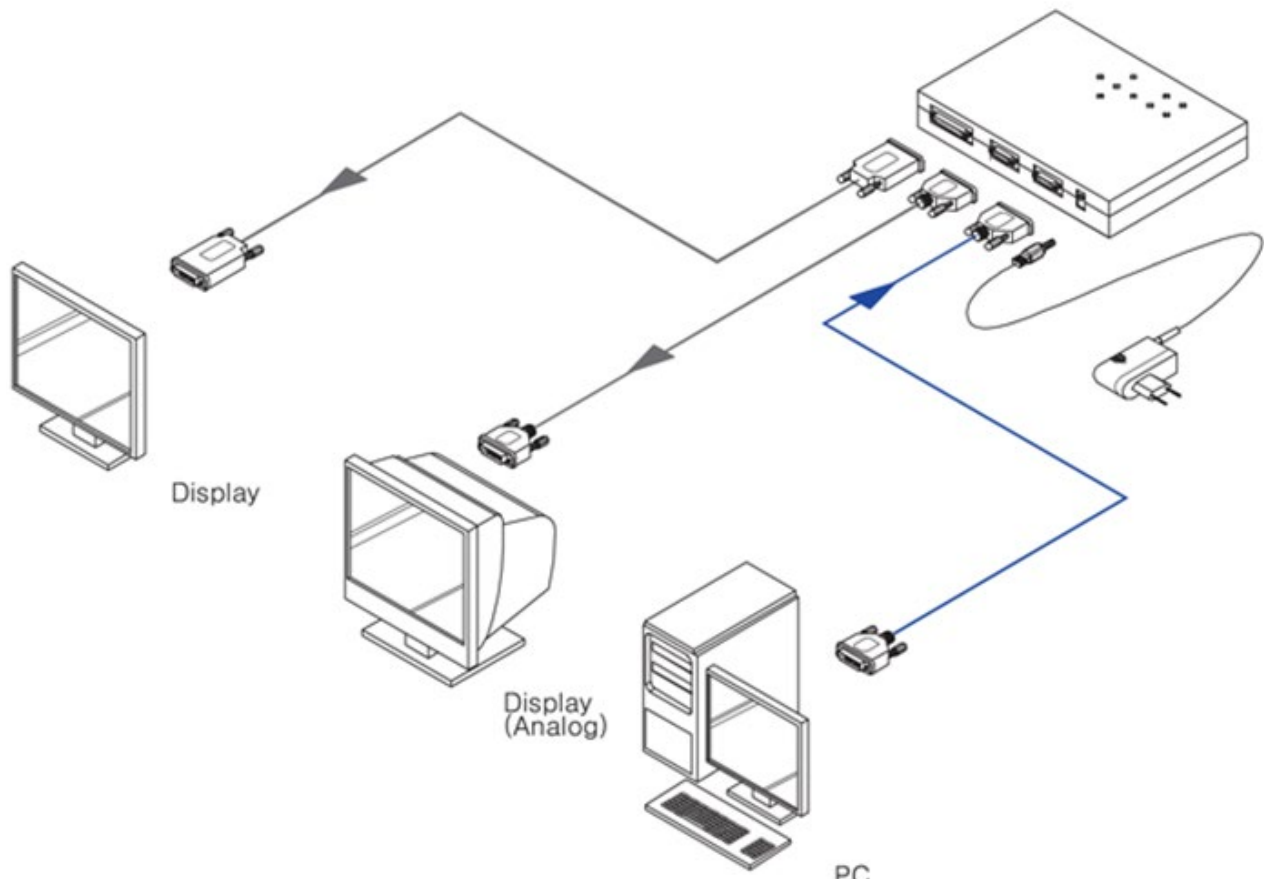
Before you start the installation of the converter, please check the package contents.

1	C-VGA-DVI	X 1	
2	Power Adapter	X1	
3	User's Manual	X 1	



2.2 BEFORE INSTALLATION

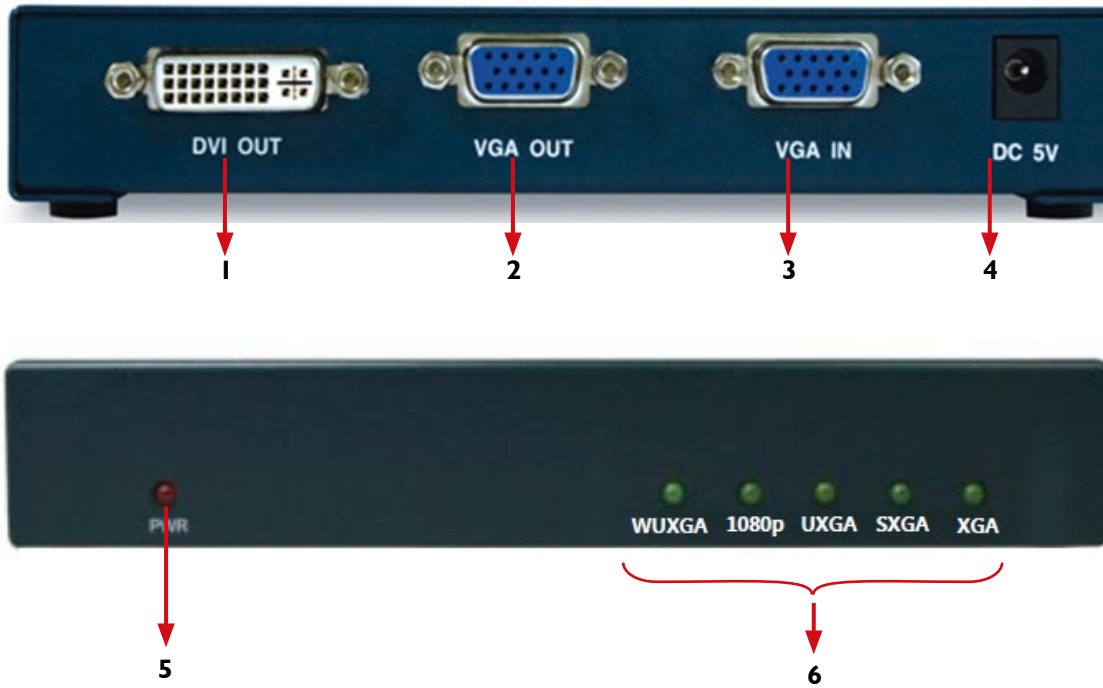
- Put the product in an even and stable location. If the product falls down or drops, it may cause an injury or malfunction.
- Don't place the product in too high temperature (over 50°C), too low temperature (under 0°C) or high humidity.
- Use the DC power adapter with correct specifications. If inappropriate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



3. INSTALLATION

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

1. Connect the VGA connector C-VGA-DVI
2. Connect DVI display to C-VGA-DVI DVI Output
3. Plug the 5V DC power supply

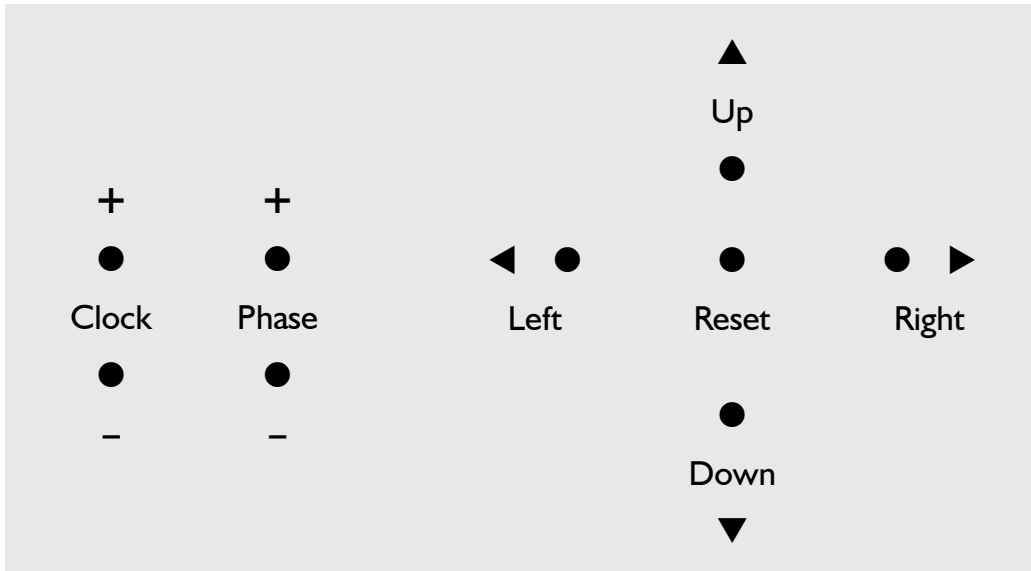


1. DVI Out	2. VGA Out
3. VGA In	4. Power In
5. Power LED Indicator	6. Resolution LED Indicator

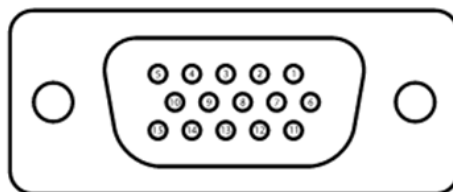
Please ensure that the display resolution set in PC is supported by the Monitor/TV.



3.1 Top Cover Adjustment Guide



BUTTON NAME	DESCRIPTION
Clock	Adjusts clock : increase (+) / decrease (-)
Phase	Adjusts phase : increase (+) / decrease (-)
Reset	Reset to initial setting
Up/Down/Right/Left (▲/▼/►/◄)	Adjusts screen location



3.2 Receiver (Input) – D-SUB

RECEIVER (INPUT) – D-SUB PIN	SIGNAL ASSIGNMENT	PIN	SIGNAL ASSIGNMENT	PIN	SIGNAL ASSIGNMENT
1	RED	6	RGND	11	GND
2	GREEN	7	GGND	12	No Connect
3	BLUE	8	BGND	13	H Sync
4	GND	9	No Connect	14	V Sync
5	GND	10	SGND	15	No Connect

TRANSMITTER (OUTPUT) - DVI 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	No Connect	14	+5V Power	22	T.M.D.S Clock Shield
7	No Connect	15	Ground (for +5V)	23	T.M.D.S Clock+
8	No Connect	16	Hot Plug Detect	24	T.M.D.S Clock-
C1	No Connect	C2	No Connect	C3	No Connect
C4	No Connect	C5	No Connect		



DVI-D (Single Link)

4. SPECIFICATIONS

ITEM	DESCRIPTION
UNITS	C-VGA-DVI
UNIT DESCRIPTION	VGA to DVI Converter
INPUT	1 x Analog VGA (15 pin D-sub female)
OUTPUT	1 x DVI Digital Single Link (24 pin female) 1 x Analog VGA (15 pin D-sub female)
VIDEO BANDWIDTH	1.65Gbps (Single Link)
CLOCK FREQUENCY	25Mhz - 165Mhz
DVI VERSION	1.0
OUTPUT SIGNAL	TMDS
DVI CONNECTOR	Type A 24 Pin Female
SUPPORT RESOLUTION	VGA,SVGA,XGA,SXGA,WSXGA+,UXGA,1080P,WUXGA
VGA CONNECTOR	15 Pin Female
POWER ADAPTOR	5V DC (110-220V 60HZ)
POWER CONSUMPTION	2.3 watts (UXGA 1 Output)
SIZE	162(W) x 26.7(H) x 104(D) mm (6.4" x 1.1" x 4.1") inch
WEIGHT	500 g (1.1 lbs)

Environmental

OPERATING TEMPERATURE	32° ~ 104°F (0° to 50°C)
STORAGE TEMPERATURE	-4° ~ 140°F (-20° ~ 60°C)
RELATIVE HUMIDITY	30~80% RH (no condensation)





AV Connectivity, Distribution And Beyond...

TECHNICAL SUPPORT

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