



HDMI / DVI to Component / VGA with Audio Converter



Model #: C -HDM-COMPVGA

HD
ready
1080p

HDMI



WUXGA
1920x1200

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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

The C-HDM-COMPVGA, HDMI / DVI to Component / VGA with Audio 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-HDM-COMPVGA 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.

1.4 Introduction

Avenview C-HDM-COMPVGA HDMI / DVI to Component / VGA with Audio Converter provides an easy and instant approach for converting digital HDMI and/or digital DVI video signal to Component or VGA with digital S/PDIF or analog stereo audio. With C-HDM-COMPVGA converter, HDMI and/or DVI based devices such as DVD players, PS3, camcorders, set-top-boxes or PC can connect to Component or VGA TV or projector at low cost. The embedded HDMI / DVI selector switches between HDMI and DVI input sources.

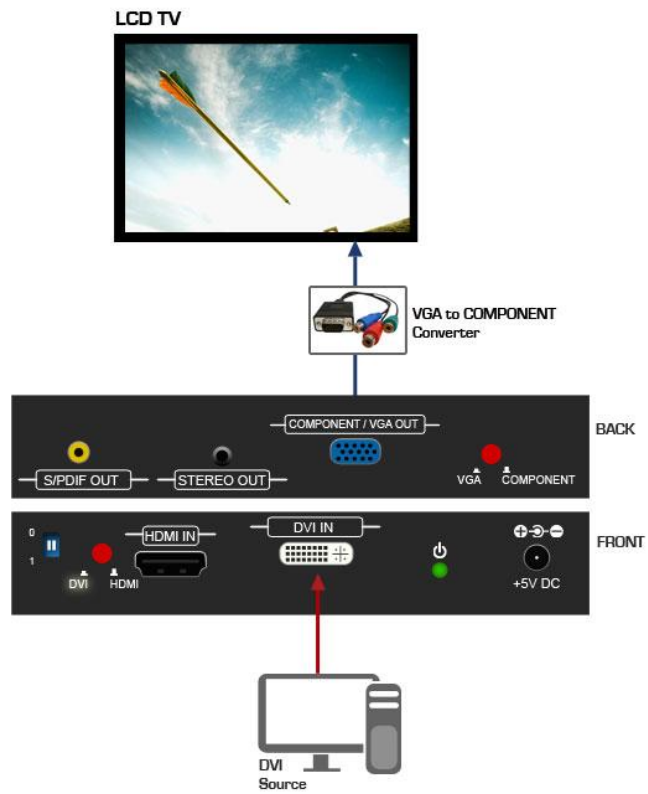
- HDMI compatible
- HDMI video input supports up to 1080p resolution
- Supports HD (1080i / 720p) component video output
- Supports up to UXGA PC video output
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators and push button for switch between DVI or HDMI sources
- Easy installation

C-HDM-COMPVGA

Layout 2

CABLE INDEX

- Output
- Input / Source
- S/PDIF
- Audio



1.5 Package Contents

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

- | | |
|------------------------------|-----|
| - C-HDM-COMPVGA | x 1 |
| - VGA to Component Y Adapter | x 1 |
| - Power Adapter (+5VDC, 2A) | x 1 |
| - User's Manual | x 1 |

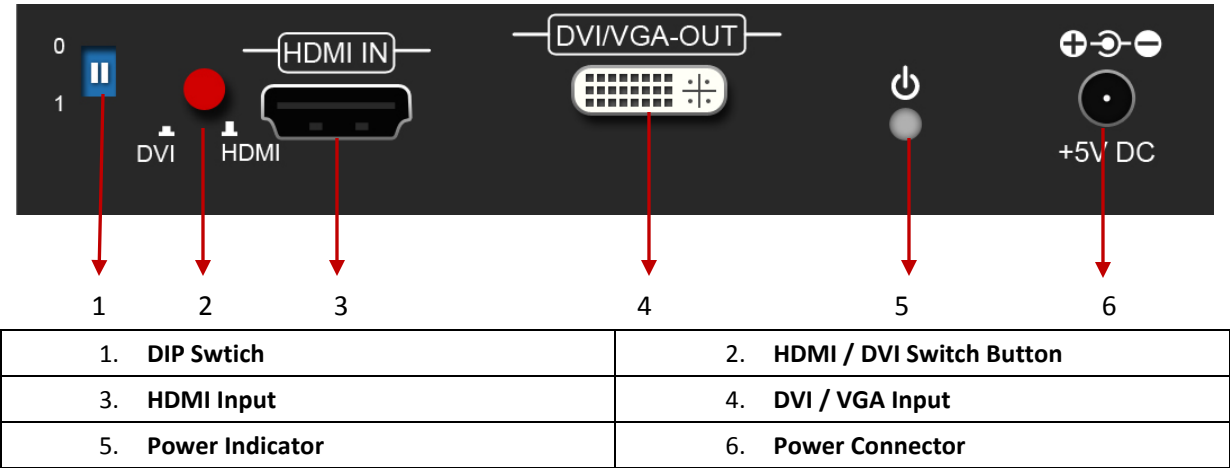
1.6 Before Installation

- 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.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.

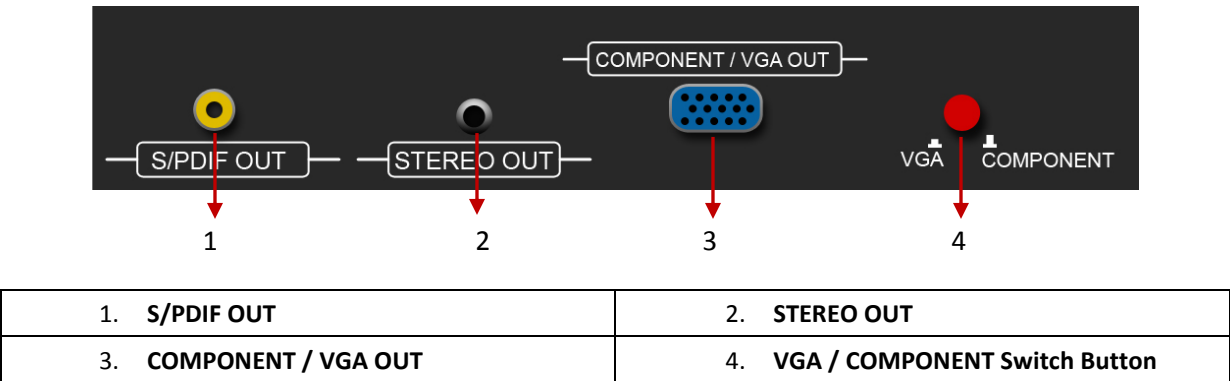
Note: This Converter is NOT-HDCP compatible. This unit should not be connected to HDCP Devices such as STP (Cable/Sat Boxes) and Blu ray/DVD players etc.....

1.7 Panel Description

1.7.1 Front Panel



1.7.2 Rear Panel



1.7.3 DIP Switch



PIN #		Mode
1	ON ↓	Learn EDID from VGA socket and save EDID to HDMI socket
1	OFF ↑	Write back default EDID to HDMI socket
2	ON ↓	Learn EDID from VGA socket and save EDID to DVI socket
2	OFF ↑	Write back default EDID to DVI socket



1.8 Installation

To setup Avenview C-HDM-COMPVGA follow these steps for connecting to a device:

1. Power off display source such as DVD Player, Set-top box etc
2. Connect your HDMI and/or DVI source to HDMI input and/or DVI input
3. Connect S/PDIF or Stereo Audio source to RCA Jack or 3.5mm Jack
4. Connect VGA/Component Y cable to C-HDM-COMPVGA
5. Connect other end of VGA/Component Y cable to VGA or Component input of display
6. Plug in 5V DC power cord to power jack of C-HDM-COMPVGA
7. Power on C-HDM-COMPVGA converter
8. Power on HDMI and/or DVI source and display with VGA or Component input.

S/PDIF format is dependent on the embedded digital audio part in the HDMI stream. The S/PDIF receiver must be able to recognize the input S/PDIF format. C-HDM-DVIA only separates the digital audio in HDMI stream and bypasses this decoded audio to the output.

This version does NOT support 8 Channel analog audio applications

S/PDIF audio input can support 2 out of 8 channel audio inputs. S/PDIF audio only supports 48 KHz audio sample rate.

Section 2: Specifications

Item	Description
Units	C-HDM-COMPVGA
Unit Description	HDMI / DVI to Component / VGA with Audio Converter
HDMI Compliance	HDMI 1.2a
DVI Compliance	DVI 1.1
Video Bandwidth	Single Link: 165MHz (4.95Gbps)
Video Support	Single Link: 1080p 60, WUXGA (1920x1200@60Hz) Component Video: 720p / 1080i
Audio Support	Stereo Audio
Input TMDS Signal	1.2 Volts (peak-to-peak)
Input DDC Signal	5 Volts (peak-to-peak, TTL)
Input	1 x HDMI 1 x DVI
Output	1 x VGA 1 x RCA digital Audio 1 x 3.5mm analog Audio Component through VGA to Component Adapter
HDMI Connector	Type A (19 pin female)
DVI Connector	DVI-I (29-pin female digital only)
VGA Connector	HD-15 (15-pin D-sub female)
RCA Connector	Coaxial S/PDIF Digital Audio (PCM 48kHz)
3.5mm Audio Connector	Analog Stereo Audio
Switch Control	2 x Push Button (1. HDMI / DVI Input button / 2. VGA / Component Output button)
DIP Switch	2-pin for EDID learning
Dimensions (L x W x H)	5" X 3.9" x 1.1"
Power Supply	5V 2A DC
Power Consumption	4 Watts (max)
Environmental	
Operating Temperature	32° ~ 104°F (0° to 40°C)
Storage Temperature	-4° ~ 140°F (-20° ~ 60°C)
Relative Humidity	20~90% RH (no condensation)

2.1 Supported Resolutions

2.1.1 DVI or VGA

Supported Mode	Resolution	Supported Mode	Resolution
VESA	640x400 @85Hz	VESA	1152x864 @60Hz
VESA	720x400 @85Hz	VESA	1152x864 @75Hz
VESA	640x480 @60Hz	VESA	1152x864 @55Hz
VESA	640x480 @72Hz	VESA	1280x768 @60Hz
VESA	640x480 @75Hz	VESA	1280x768 @75Hz
VESA	640x480 @85Hz	VESA	1280x768 @85Hz
VESA	800x600 @60Hz	VESA	1280x960 @60Hz
VESA	800x600 @72Hz	VESA	1280x960 @85Hz
VESA	800x600 @75Hz	VESA	1280x1024 @60Hz
VESA	800x600 @85Hz	VESA	1280x1024 @85Hz
VESA	1024x768 @60Hz	VESA	1600x1200 @60Hz
VESA	1024x768 @75Hz	VESA	1920x1200 @60Hz
VESA	1024x768 @85Hz		

2.1.2 HDMI or Component Video (YPbPr)

Supported Mode	Resolution
EIA	720x480p @59.94 (60)Hz
EIA	720x576p @ 50Hz
EIA	1280x720p @59.94 (60)Hz
EIA	1920x1080i @59.94 (60)Hz
NTSC	712x484
PAL	702x574

Notice

1. Only HDMI enabled TV sets with under-scan/over-scan support, the full active video can be accurately displayed. Some HDMI equipped TV sets may not support this feature. If under-scan/over-scan* is NOT supported, the top, bottom, left and right border of the active video may be screened, and the S/PDIF audio may not sound right.
2. Analog stereo audio can merely support 2-channel audio. This version does NOT support 8-channel analog audio applications.
3. S/PDIF audio input supports the main 2-channel audio input
4. S/PDIF supports only 48kHz audio sample rate. Other than this rate, the input digital audio should be adjusted to 48kHz in order to get audio signal correctly sent.

The **under-scan** mode displays the full video frame, which reveals content on the edge that is recorded.

In **over-scan**, the field monitor zooms in to the area that would be visible on most televisions.

Set the field monitor to under-scan if your video will be viewed on a computer monitor or shown with a projector and also to look for light stands, microphones, and other unwanted objects on the edges of your shot. Set it to over-scan to see how the video will look on a television.



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