

COMPONENT / VGA & Audio to HDMI Converter

User's Guide



Models

C-COMPVGA-HDMI

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Table of Contents

Section 1: Getting Started	3
1.1 Important Safeguards	3
1.2 Safety Instructions	3
1.3 Regulatory Notices Federal Communications Commission (FCC)	4
1.4 Introduction	4
1.5 Package Contents.....	4
1.6 Before Installation.....	4
1.7 Panel Description	5
1.8 Installation	6
1.9 General Troubleshooting	7
Section 2: Specifications.....	7
2.1 Supported Resolutions.....	8
2.1.1 VGA Video	8
2.1.2 Component Video	8

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-COMPVGA-HDMI, Component / VGA with Audio to HDMI Converter has been tested for conformance to safety regulations and requirements, and has been certified for international use. However, like all electronic equipments, the C-COMPVGA-HDMI 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-COMPVGA-HDMI, Component / VGA with Audio to HDMI Converter provides an easy and instant approach for converting Component (YPbPr) and/or VGA with either digital S/PDIF or analog stereo audio to HDMI. With C-COMPVGA-HDMI converter, Component and/or VGA based devices such as PC, set-top-boxes can connect to HDMI TV or projector at low cost.

- HDMI 1.2a compliant
- Support VGA resolution of up to UXGA (1600x1200 or WUXGA (1920x1200)
- Supports HD (1080i / 720p) component video
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators
- Easy installation

1.5 Package Contents

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

- C-COMPVGA-HDMI x 1
- VGA to Component Adapter x1
- Power Adapter (+5VDC, 4A) x1
- User's Manual x1

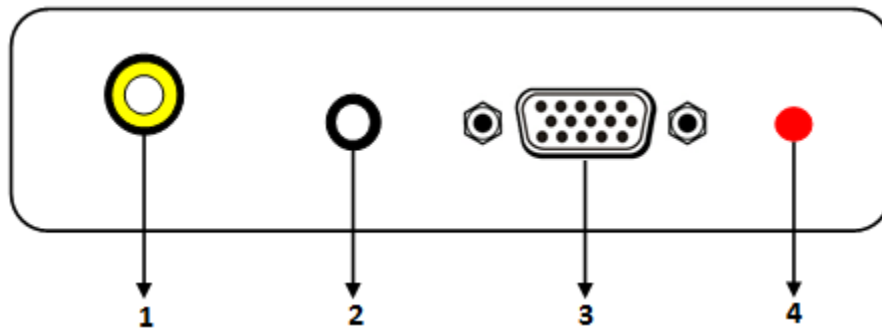
1.6 Before Installation

- 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.

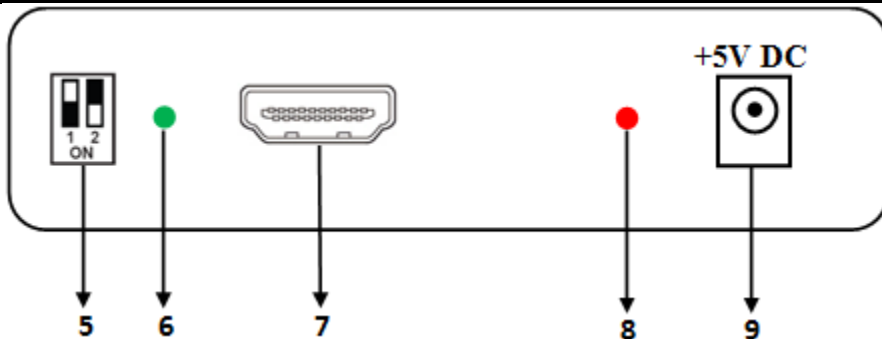
1.7 Panel Description

FRONT PANEL



1. S/PDIF	2. Audio Input
3. VGA / Component Input	4. Component / VGA Switch Button

REAR PANEL



5. DIP Switch	6. HDMI detection indicator
7. HDMI Output	8. Power Indicator
9. Power Connector	

DIP SWITCH

1	ON: Learn monitor's EDID and save it to flash OFF: Write back factory default EDID to flash
2	ON: S/PDIF Audio Input OFF: Analog Audio Input



1.8 Installation

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

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

1.9 General Troubleshooting

Problem	Possible Solution
No Image	<ul style="list-style-type: none"> • Check if connection to the source and the display are correct. • Ensure that display device supports 480p, 720p and 1080p resolution
Screen Defects Appear	<ul style="list-style-type: none"> • This product supports up to 1080p (1920x1200) resolution. • Check the VGA / Component and HDMI connection • If outputting from a PC. Check the maximum resolution range of the graphics card.

Section 2: Specifications

Item	Description
Video Bandwidth	165 MHz
Input Video Signal	1.2 V p-p
Output DDC Signal	5 V p-p (TTL)
Input Resolution	Up to UXGA (1600x1200) / WUXGA (1920x1200)
HDMI Connector	19 pin type female
VGA Connector	15 pin female
RCA Connector	Coaxial S/PDIF (PCM 48k)
Earphone Jack	Analog Stereo Audio
Power Supply	5V DC
Power Consumption	15 Watts (max)
Dimension (L x W x H)	5" x 4.1" x 1"
Weight	430g (15oz)

Environmental

Operation	0° to 50°C Degree
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2.1 Supported Resolutions

2.1.1 VGA Video

VESA 640x400 @85Hz	VESA 1024x768 @60Hz	VESA 1280x960 @85Hz
VESA 720x400 @85Hz	VESA 1024x768 @75Hz	VESA 1280x1024 @60Hz
VESA 640x480 @72Hz	VESA 1024x768 @85Hz	VESA 1280x1024 @85Hz
VESA 640x480 @75Hz	VESA 1152x864 @60Hz	VESA 1360x768 @60Hz
VESA 640x480 @85Hz	VESA 1152x864 @75Hz	VESA 1400x1050 @75Hz
VESA 800x600 @60Hz	VESA 1280x768 @60Hz	VESA 1920x1200 @60Hz
VESA 800x600 @72Hz	VESA 1280x768 @75Hz	VESA 1600x1200 @60Hz
VESA 800x600 @75Hz	VESA 1280x768 @85Hz	
VESA 800x600 @85Hz	VESA 1280x960 @60Hz	

2.1.2 Component Video

EIA 720x480p @59.94(60)Hz
EIA 720x576p @50Hz
EIA 1280x720p @59.94(60)Hz
EIA 1920x1080i @59.94(60)Hz
EIA 1920x1080p @59.94(60)Hz
712x484 (NTSC)
702x574 (PAL)



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