HDMI to DVI with Audio Converter

Model #: C-HDMI-DVIA

HD ready 1080p   **HDMI**   **dvi** digital visual interface   **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-HDMI-DVIA, HDMI to DVI 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-HDMI-DVIA 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.

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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-HDMI-DVIA HDMI to DVI & Audio Converter provides an easy and instant approach for converting digital HDMI to digital video DVI-D and both digital audio (S/PDIF) and analog stereo audio. With C-HDMI-DVIA converter, HDMI based devices such as DVD players, PS3, camcorders, set-top-boxes or PC with S/PDIF or analog stereo audio can connect to DVI TV or projector at low cost.

- HDMI 1.2 compatible
- Fully HDCP compliant
- Supports DVI video bandwidth up to 165MHz
- Coaxial S/PDIF audio input
- Stereo analog audio input
- Front panel LED indicators
- Easy installation
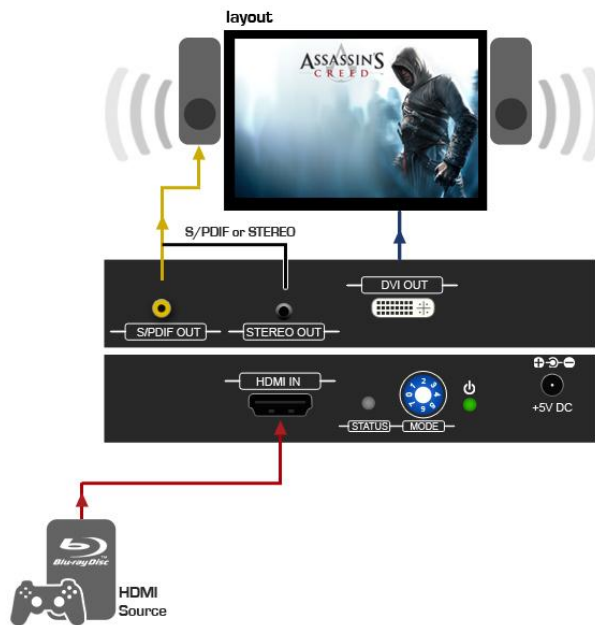
1.5   Package Contents

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

- C-HDMI-DVIA   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.

1.7   Panel Description
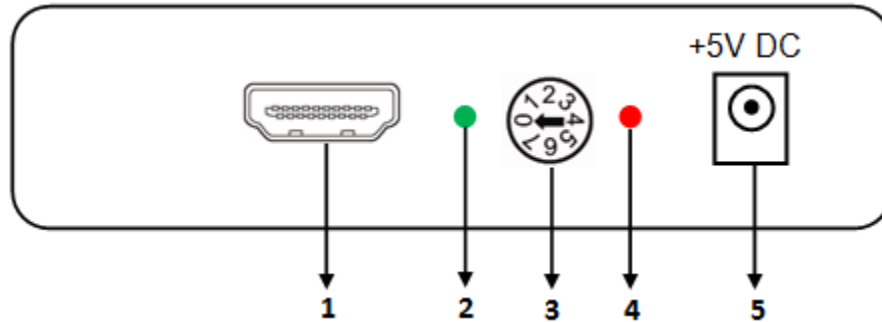
1. HDMI Input	2. Status Indicator
3. Switch	4. Power Indicator
5. Power Connector	

	0: Pair 1 Analog Output	1: Pair 2 Analog Output	2: Pair 3 Analog Output	3: Pair 4 Analog Output
	4: Reserved	5: Reserved	6: Restore Default EDID	7: Learn EDID HDMI Equipped Device

REAR PANEL
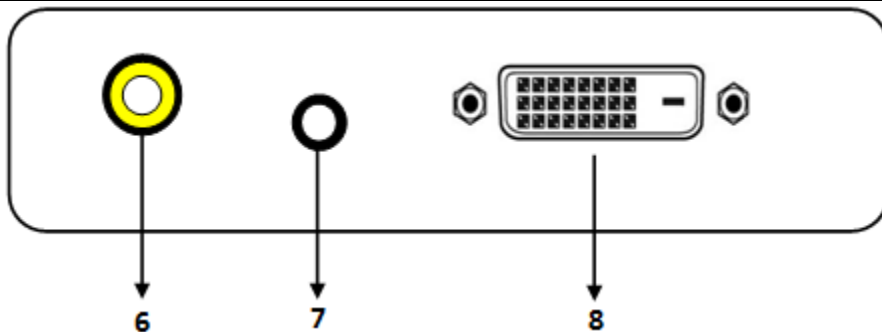
6. S/PDIF Output	7. Audio Output
8. DVI Output	

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1.8   EDID Learning

1. Power up the C-HDMI-DVIA
2. Connect HDMI display to DVI OUT
3. Turn the rotary control counter-clockwise from 0 to 7
4. The Green light will be bright and then dark to indicate the EDID is learned
5. Turn the rotary control clockwise from 7 to 0. DO NOT let the rotary control arrow pass 6, which will erase the just learned EDID and reset to unit to default EDID.

1.9   Installation

To setup Avenview C-HDMI-DVIA 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 source to HDMI input
3. Connect S/PDIF or Stereo Audio source to RCA Jack or 3.5mm Jack
4. Connect DVI cable into the C-HDMI-DVIA's DVI Output port
5. Connect other end of DVI cable to TV or projector with DVI input
6. Plug in 5V DC power cord to power jack of C-HDMI-DVIA
7. Power on C-HDMI-DVIA converter
8. Power on HDMI source and display with DVI input.

Only HDMI enabled TV sets with underscan / overscan supported can display full active video accurately. If underscan / overscan is NOT supported, the top, bottom, left and right border of the active video may be screened and S/PDIF audio may not sound right.

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.

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1.10   General Troubleshooting

Problem	Possible Solution
No Image	- Check if connection to the source and the display are correct. - Ensure that display device supports 480p or 720p resolution
Screen Defects Appear	- This product supports up to 1080p (1920x1200) resolution. - Check the DVI and HDMI connection - If outputting from a PC. Check the maximum resolution range of the graphics card.

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Section 2: Specifications

Item	Description
Units	C-HDMI-DVIA
Unit Description	HDMI to DVI with Audio Converter
HDMI Compliance	HDMI 1.2a
DVI Compliance	DVI 1.1
Video Bandwidth	165MHz (4.95Gbps)
Supported Resolutions	**Single Link** up to: 1080p, WUXGA (1920x1200 @ 60Hz)
Audio Support	Stereo Audio
Output Video Signal	1.2 Volts (peak-to-peak)
Output DDC Signal	5 Volts (peak-to-peak, TTL)
Input	1 x HDMI
Output	1 x DVI 1 x RCA 1 x 3.5mm
HDMI Connector	Type A (19 pin female)
DVI Connector	DVI-I (29 pin female digital only)
RCA Connector	Coaxial S/PDIF digital audio (PCM 48kHz)
Control Switch	8-level rotary switch for audio and EDID settings
Dimensions (L x W x H)	3.5" x 6.2" x 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)

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