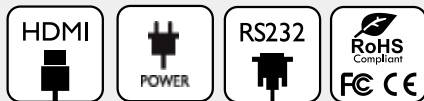
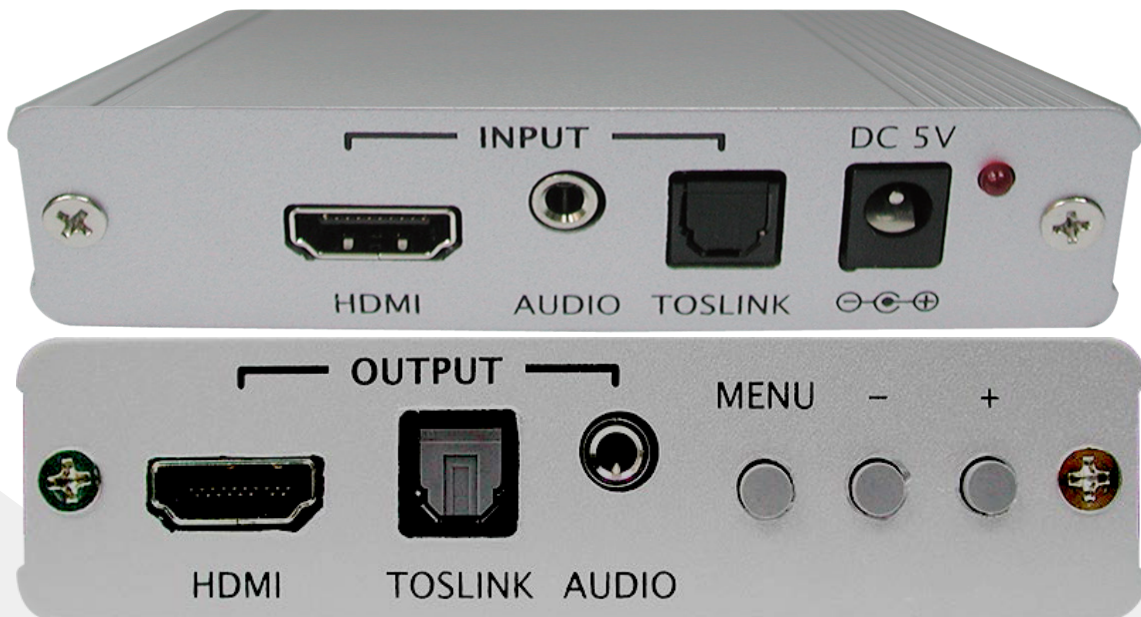




AV Connectivity, Distribution And Beyond...

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

## HDMI TO HDMI SCALER BOX



**Model #: C-HDM-HDMA**

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## Product Application & Market Sectors



Corporate



House Of Worship



Military



Residential



Education



Industrial



Medical



Aviation



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## I. 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.

## II. SAFETY INSTRUCTIONS

The Avenview C-HDM-HDMA HDMI to HDMI Scaler Box has been tested for conformity to safety regulations and requirements, and has been certified for international use. However, like all electronic equipment's, the C-HDM-HDMA 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.



### III. 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><b>⚠ WARNING</b></p> <p>Read &amp; 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>
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## 1. INTRODUCTION

This is a compact yet versatile HDMI to HDMI Scaler Box. It accepts HDMI input with a separate Toslink or analog audio and scale it to HDMI output (at a number of selectable resolutions) with additional Toslink and analog audio output. This Scaler Box has a comprehensive OSD menu that allows user to select a variety of output resolutions and adjust for best picture quality. It is ideal for using between incompatible HDMI source and display by changing picture resolution and frame rate of HDMI source to match the native resolution of the HDMI display.


## 2. FEATURES

1. HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant;
2. Scales any PC (VGA ~ WUXGA) /HD (480i ~ 1080p) resolutions to/fr another PC/HD resolutions;
3. Automatically detect the factory setting of the connected display and output the corresponding resolution and refresh rate, when the NATIVE output is selected;
4. Supports 50/60Hz frame rate conversion;
5. Supports 3-D motion video adaptive, 3-D de-interlacing, and 3:2 / 2 pull-down detection and recovery;
6. Provides output picture adjustment on contrast, brightness, hue, saturation, sharpness, RGB level, and scan size;
7. Supports high resolution input/output:  
PC: VGA, SVGA, XGA, SXGA, UXGA, WXGA, WSXGA, WUXGA HDTV: 480i, 576i, 480p, 576p, 720p, 1080i, and 1080p;
8. Supports digital and analog audio input and output.



### 3. PACKAGE CONTENTS

Before you start the installation of C-HDM-HDMA, please check the STANDARD package contents.

1	HDMI to HDMI Scaler Box	X 1	
2	POWER ADAPTER (5VDC)	X 1	
3	USER'S MANUAL	X 1	

### 4. 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.



## 5. SPECIFICATIONS

1. **Frequency bandwidth:** 1.65Gbps (single link)

2. **Input Ports:**

HDMI x 1 / Toslink x 1 / 3.5mm Phone Jack x 1

3. **Output Ports:**

HDMI x 1 / Toslink x 1 / 3.5mm Phone Jack x 1

4. 5V/2.6A DC power supply

5. **Dimensions:** 102(W) x 145(D) x 25(H)mm

6. **Weight:** 2.2 lbs

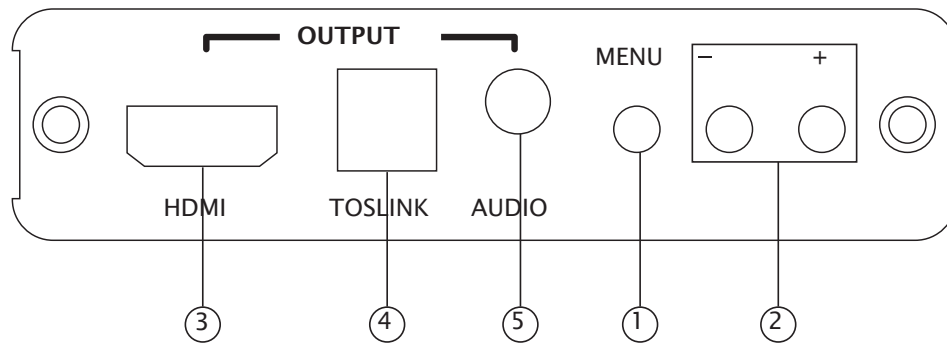
INPUT	
PC	VGA@(60/72/75/85Hz), SVGA@(56/60/72/75/85Hz), XGA@(60/70/75/85Hz), SXGA@(60/75/85Hz), UXGA@60Hz, WXGA@60Hz, WSXGA@60Hz, WUXGA@60Hz
TV	480i, 480p, 576i, 576p, 720p@(50/60Hz), 1080i@(50/60Hz), 1080p@(50/60Hz)
OUTPUT	
PC	VGA@(60/72/75/85Hz), SVGA@(56/60/72/75/85Hz), XGA@(60/70/75/85Hz), SXGA@(60/75/85Hz), UXGA@60Hz, WXGA@60Hz, WSXGA@60Hz, WUXGA@60Hz
TV	480i, 480p, 576i, 576p, 720p@(50/60Hz), 1080i@(50/60Hz), 1080p@(50/60Hz)





## 6. DEVICE DESCRIPTION & LAYOUT

### 6.1 Front Panel (C-HDM-HDMA)



1. MENU Button:
  - a. Press the MENU button to bring up OSD operation menu (see section "4.3 OSD Operation" for reference.)
  - b. When in the OSD menu mode, use MENU button as an OK key to confirm the selection.
2. +/- Buttons:
  - a. On the first tier of OSD menu, use + and - buttons to scroll up/down the highlight bar for selection.
  - b. Once the desired option is selected, use + and - buttons to toggle between setting values.
3. HDMI OUTPUT:

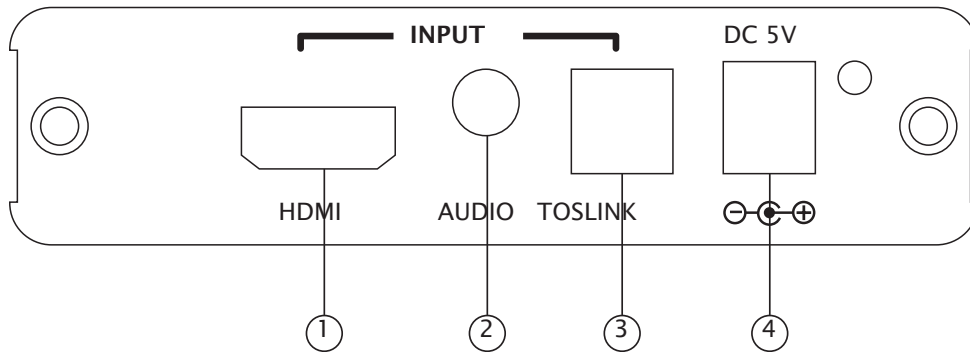
Connect the HDMI output port to the HDMI input port of your display.
4. TOSLINK OUTPUT:

Connect the digital audio output port to the input port of your digital audio equipment such as amplifier, or receiver, using Optical Fiber cable.
5. AUDIO OUTPUT:

Connect the analog audio output port to the input port of your analog audio equipment such as speakers.



### 6.2 Rear Panel (C-HDM-HDMA)



- 1. HDMI INPUT:**  
Connect the HDMI input port to the HDMI output port of your source equipment such as DVD player or Set-Top-Box.
- 2. AUDIO INPUT:**  
Connect the analog audio input port to the output port of your source equipment such as DVD player or Set-Top-Box.
- 3. TOSLINK INPUT:**  
Connect the digital audio input port to the Toslink output port of your source equipment such as DVD player or Set-Top-Box.
- 4. Power Supply:**  
Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

**Note:** Preferred CAT6 and Gigabit 10/1000 Router to ensure HD1080p resolution without delay in transmission

**Important** Before starting the installation please ensure that all devices are powered OFF

## 6.3 OSD OPERATION

1 <sup>st</sup> Tier Option	2 <sup>nd</sup> Tier Option	Adjustment
<b>CONTRAST</b>	-	0 ~ 100 of Contrast Level
<b>BRIGHTNESS</b>	-	0 ~ 100 of Brightness Level
<b>FINETUNE</b>	- HUE	0 ~ 100 of Hue Level
	- SATURATION	0 ~ 100 of Saturation Level
	- SHARPNESS	0 ~ 100 of Sharpness Level
	- EXIT	Back to 1 Tier <sup>ST</sup>
<b>COLOR</b>	- RED	0 ~ 100 of Red Color Level
	- GREEN	0 ~ 100 of Green Color Level
	- BLUE	0 ~ 100 of Blue Color Level
	- EXIT	Back to 1 Tier <sup>ST</sup>
<b>SIZE</b>	-	FULL / OVERSCAN / UNDERSCAN
<b>OUTPUT</b>	-	NATIVE / VGA / SVGA / XGA / SXGA / UXGA / 480i / 480p / 720p@60Hz / 1080i@60Hz / 1080p@60Hz / 576i / 576p / 720p@50Hz / 1080i@50Hz / 1080p@50Hz / WXGA / WSXGA / WUXGA
<b>AUDIO</b>	-	HDMI / EAR PHONE / OPTICAL
<b>OSD</b>	- HPOSITION	0 ~ 100 of OSD Horizontal Position
	- VPOSITION	0 ~ 100 of OSD Vertical Position
	- TIMER	0 ~ 100 of OSD Existing Time (sec.)
	- TRANSP	0 ~ 100 of OSD Transparent Level
	- EXIT	Back to 1 Tier <sup>ST</sup>
<b>INFORMATION</b>	-	SOURCE (Input Interface) INPUT (Input Resolution) OUTPUT (Output Resolution) VERSION (Firmware Version)
<b>EXIT</b>	-	Close OSD Menu



## 7. CONNECTION, INSTALLATION



## 8. RESET FUNCTIONALITY

To reset the unit, press and hold the MENU button then re-plug the DC power into the unit to set the unit back to factory default, with output resolution as NATIVE. This feature is also useful when the output is scaled to a resolution not supported by the connected TV/monitor so no picture is shown, because the NATIVE resolution can guarantee the proper (might not be the best) output.



## Avenview Warranty Certificate

AVENVIEW CORP. ("Avenview") warrants Avenview-branded product(s) contained in the original packaging against defects in materials and workmanship when used normally in accordance with Avenview's enclosed manual guidelines for a period of THREE (3) YEARS from the date of original retail purchase - Warranty Period. Avenview's published guidelines include but are not limited to information contained in technical specifications, user manuals and service communications.

**LABOR:** During the Warranty Period of THREE (3) YEARS, Avenview will repair or replace the product(s) at no cost using new or used parts equivalent to novel performance and reliability if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Labor applicable to product(s) after Warranty Period. For labor costs, please contact [support@avenview.com](mailto:support@avenview.com).

**PARTS:** During the Warranty Period of THREE (3) YEARS, Avenview will supply new or rebuilt replacements in exchange for defective parts of the product(s) at no cost if the product(s) is determined to have abide by Avenview's published guidelines. Cost of Parts applicable to product(s) after Warranty Period. For part(s) costs, please contact [support@avenview.com](mailto:support@avenview.com).

To obtain Warranty: (a) proof of purchase in the form of a bill of sale or receipted invoice reflecting that the registered product(s) is within warranty period must be presented to obtain warranty service; (b) product(s) must be registered at time of purchase. Failure to do so will result in applicable parts and labor charges. Returning product(s) must be shipped in Avenview's original packaging or in packaging pertaining equal degree of protection to Avenview's. Both Avenview and purchaser are responsible for freight charges and brokerages when shipping the product(s) to the receiver.

### NOT COVERED BY THIS WARRANTY

This warranty does not apply to any non-Avenview branded product(s); non-registered Avenview product(s). This warranty does not apply: (a) to cosmetic damage, including but not limited to scratches, dents and broken cords; (b) to damage caused by use with another product; (c) to damage caused by accident, abuse, misuse, liquid contact, fire, earthquake or other external cause; (d) to damage caused by operating the Avenview product(s) outside Avenview's manuals or guidelines; (e) to damage caused by service performed by anyone who is not a representative of Avenview or an Avenview authorized personnel; (f) to defects caused by normal wear and tear or otherwise due to the normal aging of the Avenview product(s), or (g) if any serial number has been removed or defaced from the Avenview product(s).

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