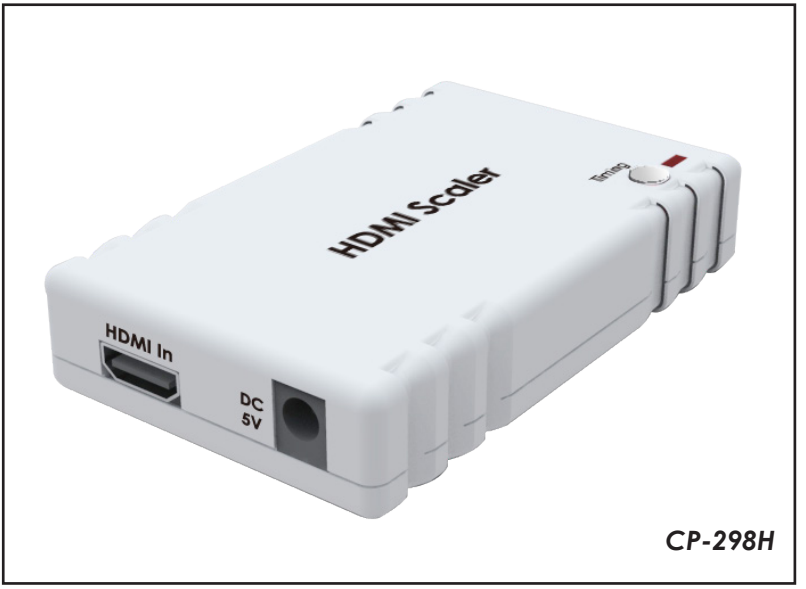
CP-298H

HDMI to HDMI Scaler Box

Operation Manual



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Safety Precautions

Please read all instructions before attempting to unpack or install or operate this equipment, and before connecting the power supply. Please keep the following in mind as you unpack and install this equipment:

- Always follow basic safety precautions to reduce the risk of fire, electrical shock and injury to persons.
- To prevent fire or shock hazard, do not expose the unit to rain, moisture or install this product near water.
- Never spill liquid of any kind on or into this product.
- Never push an object of any kind into this product through module openings or empty slots, as you may damage parts.
- Do not attach the power supply cabling to building surfaces.
- Do not allow anything to rest on the power cabling or allow it to be abused by persons walking on it.
- To protect the equipment from overheating, do not block the slots and openings in the module housing that provide ventilation.

Revision History

Version No	Date	Summary of Change
V1	20100213	Preliminary Release
V2	20101027	Add HDMI Cable Distance

Table of Contents

1. Introduction

This Scaler Box is designed to display your HD images on a HDTV. It can upscale HDMI input sources to HDMI output for a wide-range of HD resolutions; the resolution supported include XGA/UXGA/720p/1080p/1366 x 768/1440 x 900/1400 x 1050. This unit provides you with a variety of output resolutions in order to give you the best picture quality. Move over, with a built-in hot-key OSD this Scaler helps users to view and select the desired resolution instantly.

2. Applications

- PC timing converted into HD timing
- HD timing converted into PC timing

3. Package Contents

- HDMI to HDMI scaler box
- 5V DC power adaptor
- Operation Manual

4. System Requirements

Input source equipment and an output HD display with HDMI connection cables.

5. Features

- Output supports HDMI 1.2, HDCP 1.1 and DVI 1.0 compliant
- HDCP compliant
- Input supports HDMI v1.3 8 bit
- Supports HD resolution input: VGA~WSXGA, WUXGA@60 (Reduce Blanking)/ 1366X768/1440X900/1400X1050/480p@60, 720p@60, 1080p@60
- Fast switch hot key from 720p to 1080p/1280 x 800/1366 x 768/1920 x 1200(RB)
- Auto –Detection and Hot plug
- Interlaced progressive conversion with various picture display

6. Specifications

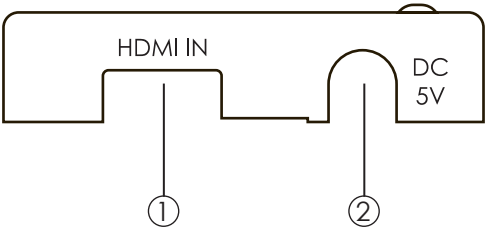
TMDS Clock Frequency	225MHz
Input port	1 x HDMI
Output port	1 x HDMI
HDMI Cable In*	1080p-8bits (6M)
HDMI Cable Out*	1080p-8bits (6M)
Power Supply	5V/1A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	114 (W) x 65 (D) x 26 (H)
Weight(g)	78
Chassis Material	Plastic
Silkscreen Color	White
Power Consumption	2.7W
Operating Temperature	0°C~40°C / 32°F~104°F
Storage Temperature	-20°C~60°C / -4°F~140°F
Relative Humidity	20~90% RH (non-condensing)

* Cable tested with 24AWG cable, using cables of another type may result in a different operating distance.
* Figures provided in this manual are reference figures only, actual figures may depend on source and display use with cable specification.

7. *Hardware Description*

The following sections describe the hardware components of the unit.

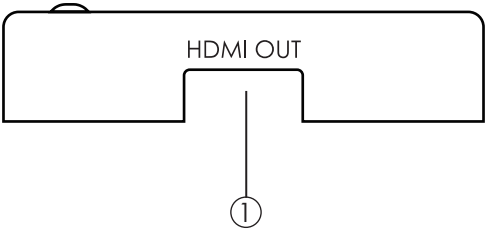
7.1 Front Panel



① HDMI IN: This slot is where you plug in your input source device with an HDMI cable in order for your source to send a signal.

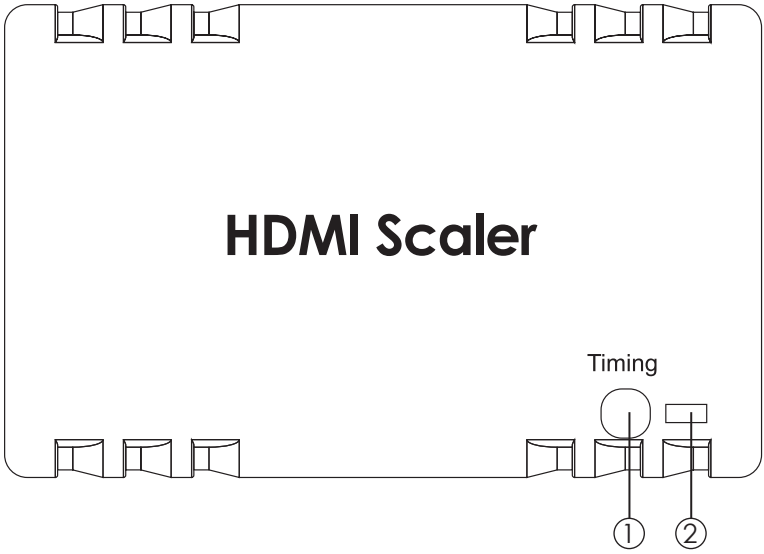
② DC 5V: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

7.2 Rear panel



① HDMI OUT: This slot is where you connect an HDTV display with a HDMI cable for displaying your sources content.

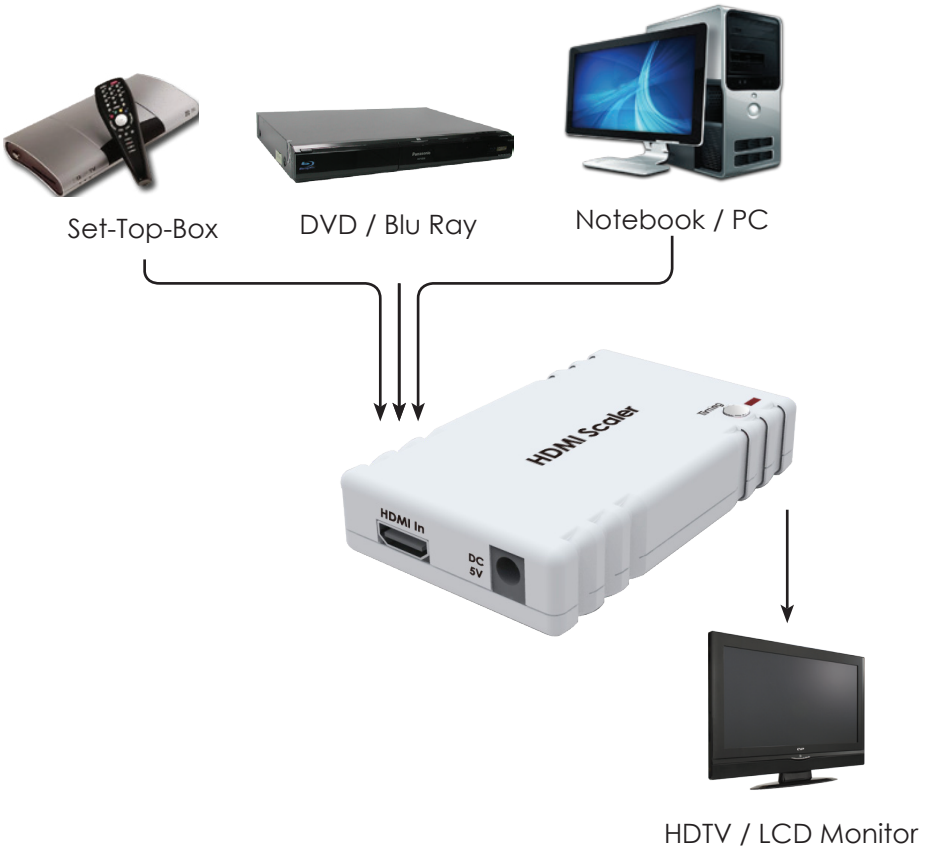
7.3 Top Panel



① Timing button: Press this button once to show both the input and output displays resolution and while the OSD is still on press it again to select the output resolution from 720p to 1080p/1280 x 800/1366 x 768/1920 x1200(RB).

② Power LED: This LED will turn on when power is connected.

8. *Connection and Installation*



Acronyms

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Acronym	*Complete Term*
HDCP	High-bandwidth Digital content protection
HDMI	High-Definition Multimedia Interface
VGA	Video Graphics Array
WUXGA	Wide Ultra Extended Graphics Array

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