

SOLUTIONS FOR GROWTH



nT15FX04 CP-298H HDMI TO HDMI SCALER BOX



Operation Manual

HDMI®
HIGH-DEFINITION MULTIMEDIA INTERFACE

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SAFETY PRECAUTIONS

Please read all instructions before attempting to unpack, 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 any openings or empty slots in the unit, as you may damage parts inside the unit.
- Do not attach the power supply cabling to building surfaces.
- Use only the supplied power supply unit (PSU). Do not use the PSU if it is damaged.
- Do not allow anything to rest on the power cabling or allow any weight to be placed upon it or any person walk on it.
- To protect the unit from overheating, do not block any vents or openings in the unit housing that provide ventilation and allow for sufficient space for air to circulate around the unit.
- Please completely disconnect the power when the unit is not in use to avoid wasting electricity.

VERSION HISTORY

REV.	DATE	SUMMARY OF CHANGE
RDV1	2010/02/13	Preliminary release
RDV2	2010/10/27	Add HDMI Cable Distance



CONTENTS

1. Introduction	1
2. Applications	1
3. Package Contents	1
4. System Requirements	1
5. Features	1
6. Operation Controls and Functions	2
6.1 Top Panel.....	2
6.2 Left Panel	3
6.3 Right Panel.....	3
7. Connection Diagram	4
8. Specifications	5
8.1 Technical Specifications	5
9. Acronyms	6





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

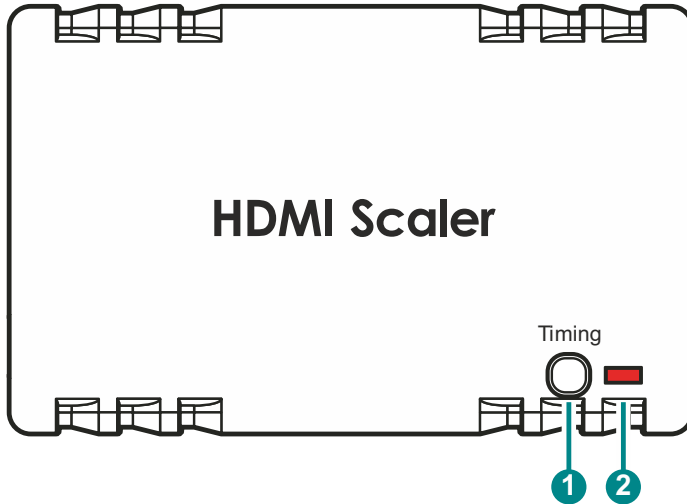
Input source equipment and an output HD display with HDMI connection cables.

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

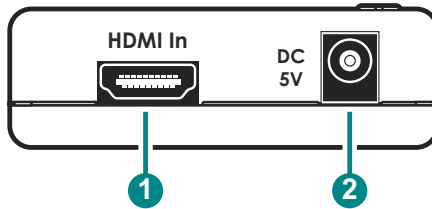
6. OPERATION CONTROLS AND FUNCTIONS

6.1 Top Panel



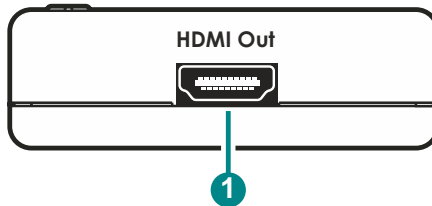
- 1 Timing button:** Press this button once to show both the input and output displays resolution and while the OSD is still on press it again to select the output resolution from 720p to 1080p/1280 x 800/1366 x 768/1920 x1200(RB).
- 2 Power LED:** This LED will turn on when power is connected.

6.2 Left Panel



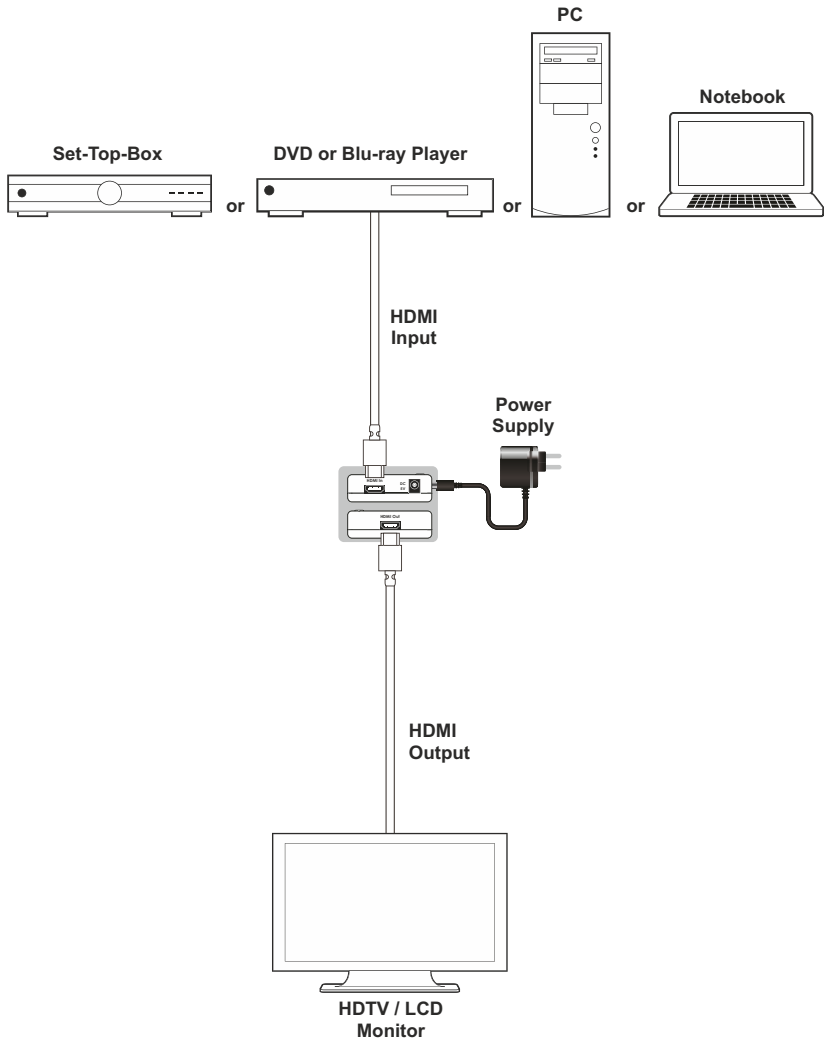
- 1 HDMI IN:** This slot is where you plug in your input source device with an HDMI cable in order for your source to send a signal.
- 2 DC 5V:** This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC outlet.

6.3 Right Panel



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

7. CONNECTION DIAGRAM



8. SPECIFICATIONS

8.1 Technical 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)

9. ACRONYMS

ACRONYM	COMPLETE TERM
HDCP	High-bandwidth Digital content protection
HDMI	High-Definition Multimedia Interface
VGA	Video Graphics Array
WUXGA	Wide Ultra Extended Graphics Array
Cat.5e	Enhanced Category 5 cable



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