



CPT-387HD

HD to Video Converter



Operation Manual

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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.

REVISION HISTORY

VERSION NO.	DATE DD/MM/YY	SUMMARY OF CHANGE
VR0	14/05/12	Preliminary Release

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1. INTRODUCTION

This is an HD to Video with HD bypass scan converter. It is designed to convert a variety of analog component images, from 480p up to 1080p and converts them to NTSC or PAL standards video with extra HD images bypass. Users can also adjust the Overscan/Underscan on output image. It is ideal of using in applications like video conference, home theater, business presentation, lecturing room or viewing HD image on TV.

2. APPLICATIONS

- Component to Composite Video/S-Video conversion
- Component to NTSC/PAL frame rate conversion

3. PACKAGE CONTENTS

- HD to Video Converter
- 5V DC Power Supply Adaptor
- Operation Manual

4. SYSTEM REQUIREMENTS

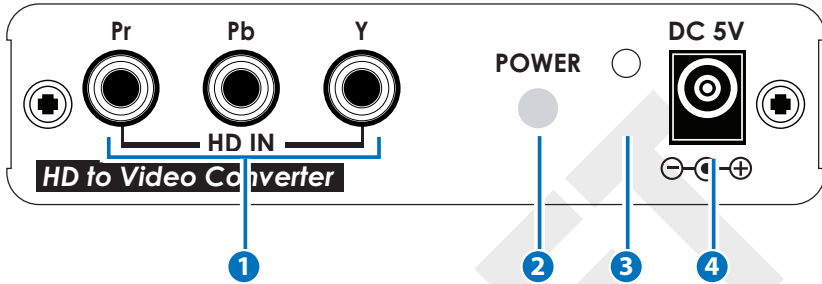
- Input source equipment such as DVD/Set-Top-Box and output TV with NTSC/PAL system and connection cables.

5. FEATURES

- Supports high resolution HD input from 480i up to 1080p
- Supports component (YPbPr) input and scale down to Composite video/S-video output or HD bypass for simultaneously image outputs display
- Switch between NTSC/PAL
- Auto phase to ensure better image display
- Image Overscan/Underscan selection
- Easy to install and friendly to operate

6. OPERATION CONTROLS AND FUNCTIONS

6.1 Front Panel



1 YPbPr HD IN

These slots are to connect from source equipment such as DVD player or Set-Top-Box with component video cables.

2 POWER Button

Press this button to switch On or set the device to standby mode.

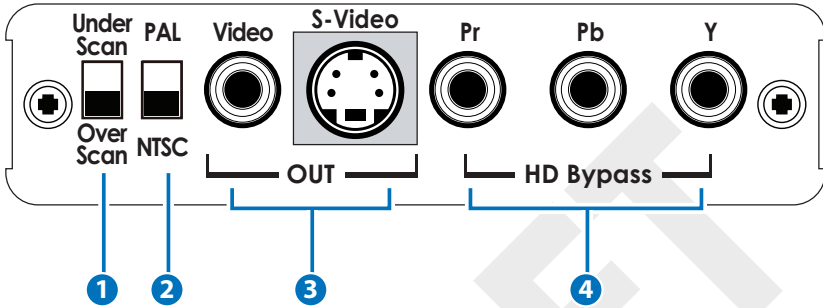
3 POWER LED

This LED will illuminate in red when the device is connected with power supply. Under auto phase the LED will blink.

4 DC 5V

Plug the 5V DC power supply into the unit and connect the adaptor to AC wall outlet.

6.2 Rear Panel



1 UnderScan/OverScan Switch

Switch to adjust the output image to be underscan or overscan on the display in order to view the full image.

2 PAL/NTSC Switch

Switch to PAL or NTSC system according to output display system and the device will perform the auto phase function.

3 Video/S-Video OUT

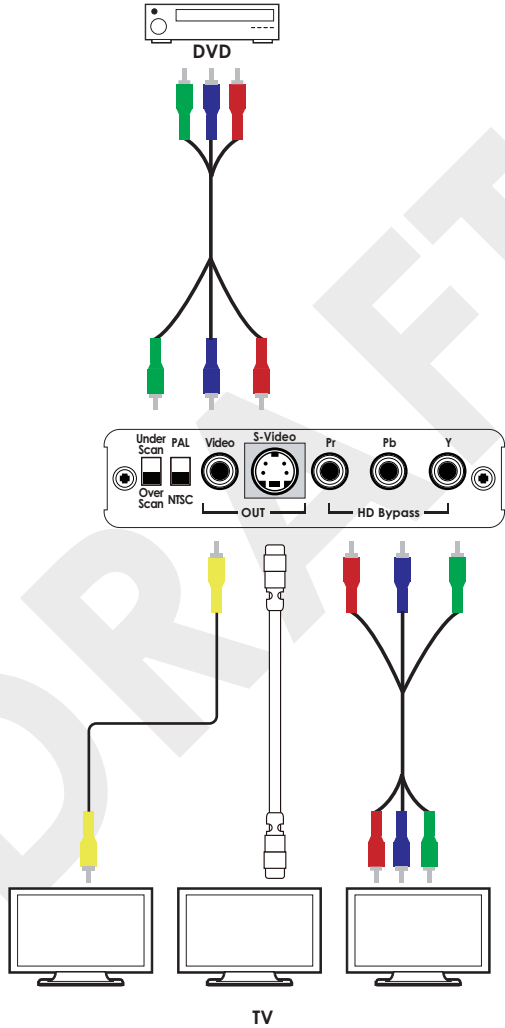
Connect the output displays with Composite Video or S-Video cable for simultaneous outputs image display.

4 YPbPr HD Bypass

Connect the output display with Component Video YPbPr cables for output image display.

Note: Under power standby mode the bypass function still active.

7. CONNECTION AND INSTALLATION



8. SPECIFICATIONS

Input Port	1 x Component (Y/Pb/Pr)
Output Ports	1 x Component bypass (Y/Pb/Pr), 1 x Composite Video, 1 x S-Video
Supports Input Resolution	480i/p@60, 576i/p@50, 720p@50/60, 1080i@50/60, 1080p@24/25/30/50/60
Switcher	1 x Overscan/Underscan, 1 x PAL/NTSC
ESD Protection	Human body model: ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	5V DC/ 2.6A (US/EU standards, CE/FCC/ UL certified)
Dimensions (mm)	102 mm(W) x 105 mm(D) x 25 mm(H)
Weight(g)	215g
Chassis Material	Aluminum
Silkscreen Color	Silver
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)
Power Consumption	5.5W

9. ACRONYMS

ACRONYM	COMPLETE TERM
NTSC	National Television System Committee
PAL	Phase Alternating Line

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