

# **Component HD to Video Converter - ID# 15190**



**Operation Manual**

## Introduction

Component HD YPbPr to Video Down Scaler w/HD pass through is now upgraded to convert High Definition 480i/p ~ 1080i/p@50/60Hz and 1080p@23/24/30Hz input to selectable PAL or NTSC CV and SV format output. The High definition input is also passed through for connection to a HDTV. Video format of PAL or NTSC is switch selectable to output as Composite and S-Video for connection to Standard Definition TV's. With in-built Overscan / Underscan function, this converter is ideal for use in Business, Education and Private applications.

The Component HD YPbPr to Video Down Scaler w/HD pass through is very easy to connect and operate. Inter connection from the signal source to the Standard or High Definition TV is straight forward and requires no special cabling or programming. Front and rear panel connection points are easy to access and clearly labeled. PAL or NTSC video output and Overscan/Underscan image is selected by simple switch operation.

## Features

- Supports high resolution HD input from 480i/p ~ 1080i/p@23/24/30/50/60Hz
- Supports component (YPbPr) input and downscaling to Composite video and S-video output with HD bypass for simultaneous display output
- Switch selectable NTSC or PAL format output
- Switch selectable Overscan or Underscan function
- Auto-phase adjustment to ensure better image display
- Compact and sturdy silver aluminium casing.
- LED power indicator.
- All inputs, outputs and switches clearly labelled.
- Easy to install and operate

## Applications

- HD Component to Composite Video/S-Video conversion
- HD Component to NTSC/PAL frame rate conversion
- Convert HD component signals for recording or distribution to SD systems

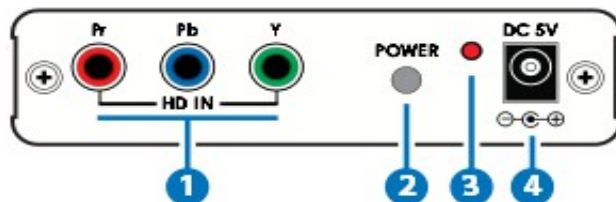
## System Requirements

Input source equipment such as DVD/Blu-ray player and output to SD systems (NTSC/PAL).



## Operation Controls and Functions

### Front Panel



#### 1. YPbPr HD IN

Connect to the source equipment such as a DVD/Blu-ray player with component video cables.

#### 2. POWER Button

Switches the device on or sets it to standby mode.

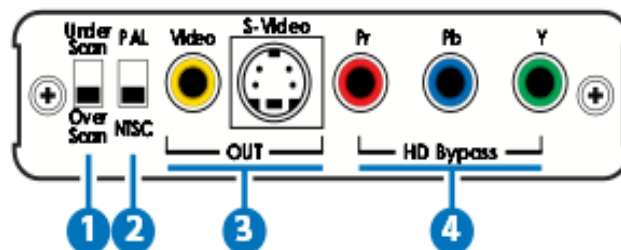
#### 3. POWER LED

This LED will illuminate in red when the device is turned on. Whilst in auto phase adjustment the LED will blink.

#### 4. DC 5V

Connect the 5V DC power supply into the unit and plug the adaptor to AC wall outlet.

### Back Panel



#### 1. Under Scan/Over Scan Switch

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

#### 2. PAL/NTSC Switch

Switch to change to PAL or NTSC system according to suit the display system. The device will also perform the auto phase adjustment after switching.

#### 3. Video/S-Video OUT

Connect to a display with a Composite Video or S-Video cable for simultaneous output of the SD signal.

#### 4. YPbPr HD Bypass

Connect to a display with Component Video (YPbPr) cables for simultaneous output of the Component signal.

***Note:** In standby mode the Component bypass function will continue to operate.*

Specifications

Input Port	1×Component (Y/Pb/Pr)
Output Ports	1×Component Bypass (Y/Pb/Pr), 1×Composite Video, 1×S-Video
Supports Input Resolution	720*480i@59/60Hz 720*480p@50/60Hz 720*576i@50/60Hz 720*576p@50/60Hz 1280*720p@50/59/60Hz 1920*1080i@50/59/60Hz 1920*1080p@23/24/30/50/60Hz
Switcher	1×Overscan/Underscan, 1×PAL/NTSC
ESD Protection	<b>Human body model:</b> ±8kV (air-gap discharge) ±4kV (contact discharge)
Power Supply	5V DC/2.6A (US/EU standards, CE/FCC/UL certified)
Dimensions	102 mm (W)×105 mm (D)×25 mm (H)
Weight	230 g
Chassis Material	Aluminum
Silkscreen Color	Silver
Operating Temperature	0℃ ~ 40℃/32℉ ~ 104℉
Storage Temperature	−20℃ ~ 60℃ / −4℉ ~ 140℉
Relative Humidity	20 ~ 90% RH (non-condensing)
Power Consumption	5.5 W

Connection Diagram

