

# **CCN-CSH101**

## **AV/SV to HDMI 4Kx2K Scaler Converter Box**



**User Manual**

Thank you for purchasing this product. For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## **Introduction**

Comprehensive's AV/SV to HDMI 4Kx2K Scaler Converter is a universal converter for analog composite input to HDMI 4Kx2K@60Hz output. The analog to digital conversion in this module employs 10 bits maximal 297MSPS sampling, black/white level expansion, color transition improvement, dynamic range expansion, blue stretch, auto-detect and auto-convert the composite signal to HDMI output. Making video come alive, delivering the sharpest, most realistic HD visuals available.

## **Features**

1. No need to install drivers, portable, flexible, plug and play.
2. Provide advanced signal processing with great precision, colors, resolutions, and details.
3. Support PAL,NTSC3.58,NTSC4.43,SECAM,PAL/M,PAL/N standard TV formats input.
4. Support HDMI 4Kx2K@60Hz, 4Kx2K@30Hz,1080p@60Hz or 720p@60Hz output.

## Package

- |   |       |
|---|-------|
| 1. AV/SV to HDMI 4Kx2K Scaler Converter | 1 pcs |
| 2. 5V1A DC Power Supply Adaptor         | 1 pcs |
| 3. Operation Manual                     | 1 pcs |

## Specification

Input ports: 1xRCA (Yellow, White, Red). 1x S-Video, 1 x Min- USB

Output ports: 1xHDMI

Dimensions(mm): 93(D)x84(W)x28(H)

Wight (g): 165g

CVBS/S-VIDEO input: PAL,NTSC3.58,NTSC4.43,SECAM,PAL/M,PAL/N standard TV formats

HDMI output resolution: 4Kx2K@60Hz,4Kx2K@30Hz,1080P@60Hz,720P@60Hz

Operating Temperature 0°C ~ 40°C / 32°F ~ 104°F

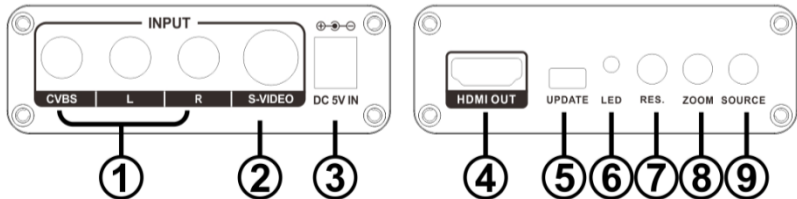
Storage Temperature -20°C ~ 60°C / -4°F ~ 140°F

Relative Humidity 20 ~ 90% RH (Non-condensing)

Power Consumption (Max) 3.5W

ESD Protection Human Body Model:  
 $\pm 8\text{kV}$  (air-gap discharge)  
 $\pm 4\text{kV}$  (contact discharge)

## Operation Controls and Functions



1. **CVBS/L,R input:** Connect the CVBS/L,R port to the input port of your source equipment such like DVD player.
2. **S-VIDEO input:** Connect the S-VIDEO port to the input port of your source equipment such like Camera.
3. **DC 5V IN:** Connect the 5V DC power supply into the Converter.
4. **HDMI OUT:** The HDMI OUT connect to HDMI equipped TVs or monitors.
5. **UPDATE:** System software update.
6. **Power LED:** This red LED illuminate when the device is connected with power supply.
7. **Resolution Button:** Press this button to select the output resolution.
8. **ZOOM Button:** Press this button the scaling of the output picture.
9. **SOURCE Button:** Press this button to switch between CVBS and SV.

## Connection and Installation

1. Connect the CV/SV port to the input port of your source equipment such like DVD player.
2. Connect the analog audio input port to the output port of your analog audio equipment.
3. Connect a display such as a monitor, TV or Projector to the HDMI output on the Converter.
4. Power on the device and display.

