

HDMI to HDMI and CVBS Video Converter

User Manual

I . Introduction

HDMI to CVBS signal converter which will convert HDMI video signal or audio signal to AV (CVBS) composite video signal and the FL / FR stereo audio signals, and HDMI signals; while support DVI system sideline signals. Help users convert the high quality of the HDMI video signal into normal CVBS signal (standard-definition 480i, 576i,).So that can play on TV, VHS VCR, DVD recorders, etc. Support NTSC and PAL two TV format.

II . Features

1. Hardware conversion, plug and play without any software driver
2. Compatible HDMI1.3
3. Support NTSC and PAL two standard TV formats
4. One HDMI input, one AV output, one stereo output

Inputs: HDMI x 1;

Outputs: AV x 1; L / R x 1; HDMI x 1

. HDMI input: 480P, 576P, 720P, 1080I, 1080P @ 60Hz

compatible with DVI mode 800x600,1024x768,1280x720,1280x102, 1920x1080/@60hz

Support the HDCP protocol, support for HDMI 1.3

CVBS output: 480I, 576I

Audio output: L/R channels

HDMI OUTPUT: BYPASS HDMI

480P, 576P, 720P, 1080I, 1080P @ 60Hz

compatible with DVI mode 800x600,1024x768,1280x720,1280x102, 1920x1080/@60hz

Dimensions: 100mm(W)x115mm(D)x 25mm(H)

III. Application Areas

A. Civil Industry: set-top boxes, XBOX360, PS3, high-definition players

B. Industrial sector: high-definition camera, video camera, with this common display device will instead of big screen HDMI television monitors, to reduce the cost and space.

IV. Product Interface Schematic



- DC/5V IN ----- Connect external power adapter DC/5V
- POWER LED ----- Power indicator (Power on will light)
- HDMI IN ----- Connect XBOX360, PS3, HD DVD, HD players, HD cameras, etc
- VIDEO OUT----- Connect TV or video player which with; CVBS Interface (NTSC / PAL available)
- L/R OUTPUT----- Audio output
- HDMI OUTPUT----- Connect HD TV
- PAL / NTSC ----- PAL and NTSC standard format selector switch
- ZOOM Button----- change the picture size on screen display

V. Product Connection Diagram



ZOOM function detailed exposition:

Image reproduce rate: TV system specific terms. Over scan represent output and input picture ratio. Suppose that input picture: width and height is 100x100, and screen size is: 100x100. if the reproduce rate is 98%, the display picture will 8% of the input picture, the display image will also be 98% of the input image, and the width and height will be 98x98, Due to most of the HD TV in the present market which the HDMI channel image picture reproduce rate can not reach 100% (the image reproduce rate for each brand TV are different, from 92% to 100%.)

The output image of similar VGA TO HDMI (720P/1080P output) converters in the market may show incompletely, as a result, not all the contents which output from the computer can be viewed, or there may be black border around the TV after being zoomed in by TV'S zoom in/out function In short, it can't bring a satisfying display effect.

The zoom button of the video converters is specially added to solve this problem. Zoom button can define the image size as 100%---98%--96%--94%--92%--90% and the reproduce rate Synchronous zoom in/out all around to ensure VGA input signal of different brand TV can reach a 100% all picture showed. At same time , its have Memory function that can come to the status before the power-off.



Picture three: the image was zoomed in/out twice.



Picture four: the image was zoomed in/out third time.



Picture five: the image was zoomed in/out four time, the whole image was 100% displayed



Picture : resolution model 4:3 and 16:9 rate switching (press zoom for 3 seconds)



Because the zoom in/out function is different on each brand TV, some can zoom in/out four times, and some can zoom in/out five times, until you are satisfied.

Failure Check:

No signal output

A. If LED power indicator is not light, check whether the input access to the mains power supply (AC110 ~ 220V). If external power supply LED does not light, check whether the electronic exchange. Or external power supply bad

B. LED light, check the HDMI output device are set to the HDMI OUT, HDMI cable for damage, AV display devices, whether or not cut to the AV (CVBS) channel

No color

A. Check the AV cable damage or not.

B. NTSC-PAL formats with no corresponding NTSC or PAL TV.