Introduction

This is a video to HDMI™ converter box that can convert CV/SV (NTSC or PAL system) to HDMI resolutions of XGA to UXGA or HD resolutions of 480p to 1080p. With a frame rate conversion feature that allows users to view DVD, VCR or video game sources on HD monitor/TV this device has an On-Screen Display function that allows users to easily select the output resolution and the audio input, after which both the video and audio signal are combined into an HDMI signal so they can be output to a compatible display.

Applications

• CV/SV signal with audio to display on HD TV/monitor
• STB/Camcorder signal display on HD monitor/TV
• VCR signal display on HD monitor/TV

Features

● Operates in NTSC and PAL system
● Can scale CV/SV to HDMI format
● Convert both video and audio signals into HDMI signals
● Output resolution:
  PC resolution: XGA, SXGA, UXGA
  HDTV resolution: 480p/576p, 720p,1080p
● 3D (frame based) motion adaptive YNR/CNR noise reduction (for Y/C video input)
● On-Screen Display
● Advance 3D motion adaptive de-interlace
● Automatic 2:2 & 3:2 film mode detection
● 50/60 Hz frame rate conversion ensures glitch-free display
● Play video games on your HD monitors/TV
● High-resolution output picture
● Plug & play- no drive software required

System Requirements

Input source equipments such as DVD/Video cassette player and output HD monitor/TV with connection cables.
Hardware Description

The following sections describe the hardware components of the unit.

Left side Panel

1. S-Video input: This slot is where you connect the input source equipment such as digital camcorder or PDAs with S-Video cable for input signal sending.
2. Composite (CV) input: This slot is where you connect the input source equipment such as personal media player or personal recorder with CV cable for input signal sending.
3. DC 5V In: This slot is where you plug the 5V DC power supply into the unit and connect the adaptor to an AC wall outlet.

Right side Panel

1. Output resolution switch: This dip switch allows you to set HDMI output Timing to PC resolution: XGA/SXGA/UXGA or HD: 480p/576p/720p/1080p. Simply switch the dip switch to left, middle or right and the output image will display your desire timing.
2. Audio In: This slot is to connect to audio source equipment with 3.5Ø phone jack for audio signal transmission.
3. HDMI OUT: This slot is where you connect the output display monitor/TV with HDMI cable.
Rear Panel

1. **PC/HD switch**: This dip switch allows you to select PC or component HD timing output. Simply slide the dip switch to left or right and the output mode will display your desired selection.

Top Panel

1. **CV/SV SW & LED**: Press this button to switch input source between composite or S-Video. The LED will illuminate in yellow when switch to composite input and red when switch to S-Video input.

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**OSD**

1. Press the top panel's button once to switch in between CV/SV. If input source is disconnected the OSD will show "No Signal".
2. Press the top panel’s button for 3 second to bring up OSD manual.
3. When the device is under PC mode the OSD will display input format and output timing, source detection, PC monitor’s EDID and firmware version as to above picture.
4. When the device is under HD mode the OSD will display input format and output timing, frame rate conversion selection, video system and firmware version as show in below picture.

![OSD Manual Example](image)

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**Specifications**

- **Input Ports**: 1 x CV, 1 x SV, 1 x 3.5mm phone jack
- **Output Ports**: 1 x HDMI
- **Power**: 5V/1A DC (US/EU standards, CE/FCC/UL certified)
- **Dimensions (MM)**: 114(W) x 65(D) x 25(H)
- **Weight(g)**: 200
- **Chassis Material**: Plastic
- **Silkscreen Colour**: Black
- **Operating Temp**: Operating from 0°C ~40°C
Connection