

HDMI To CV S-Video

Down Converter With HDMI Audio Decoding

Operation Manual



Ambery Model No: SDV3

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1. Introduction

This HDMI to CV/SV converter is designed to down convert from the HDMI or DVI + Coaxial input to analog NTSC or PAL TV video format with stereo L/R audio. In addition to S-Video and Composite outputs, it also provides one HDMI out and one Coax SPDIF out for the original input to be passed to send S/PDIF digital audio to receiver/amplifier. The product provides a convenient application that allows users to watch high definition video on a HDTV set while recording content in SD format 480i/576i through DVR or video recorder.

2. Features

- HDMI 1.2, HDCP1.1 and DVI1.0 compliant
- Converts video signal from HDMI source to NTSC or PAL signal selectable
- Converts digital audio from HDMI source to analog stereo audio
- Accepts a wide range of HDTV input resolutions, from 480p to 1080p@60Hz (except 1080p@24Hz) and PC from VGA@60Hz to UXGA@60Hz
- Video and audio conversion / bypass scenarios:

Note: ① Sources' signal also need to disable 1080p@24Hz resolution in order to avoid image corruption.

② When HDMI input source end is not displaying full screen (i.e. letter box/pillbox image) then the output display end may come out with wrong size or position images. Hence, input source must set on full screen first before powering on the converter and set the input source to YCbCr by entering into DVD/PS3/BD's OSD menu and set the HDMI color space on YCbCr will resolve the problem.

- Video and audio conversion / bypass scenarios:

INPUT A	Both video and audio from HDMI source*
OUTPUT A	HDMI -> Bypass, output original video and audio from HDMI
	COAXIAL -> Output digital audio from HDMI
	CV + L/R -> Output analog video / audio converted from HDMI
	SV + L/R -> Output analog video / audio converted from HDMI
INPUT B	Video from DVI source and audio from Coaxial source**
OUTPUT B	HDMI -> output original video from DVI and audio from Coaxial
	COAXIAL -> Output digital audio from Coaxial
	CV + L/R -> Output analog video converted from DVI, L/R mute***
	SV + L/R -> Output analog video converted from DVI, L/R mute***
INPUT C	Video from DVI source and audio from Coaxial source
OUTPUT C	DVI -> Bypass, output original video from DVI
	COAXIAL -> Output digital audio from Coaxial
	CV + L/R -> Output analog video converted from DVI, L/R mute***
	SV + L/R -> Output analog video converted from DVI, L/R mute***

* In the scenario of INPUT/OUTPUT A, the audio signal from Coaxial input will not be used.

** DVI input or output can be applied by using HDMI to DVI adapter or cable of similar function.

*** Analog L/R audio outputs are not available when the audio input is Coaxial, please connect the analog audio from source to your speakers directly.

- When the signal from HDMI or DVI source is protected by HDCP (High-bandwidth Digital Content Protection), the HDMI or DVI display needs to supports HDCP to be able to show picture.

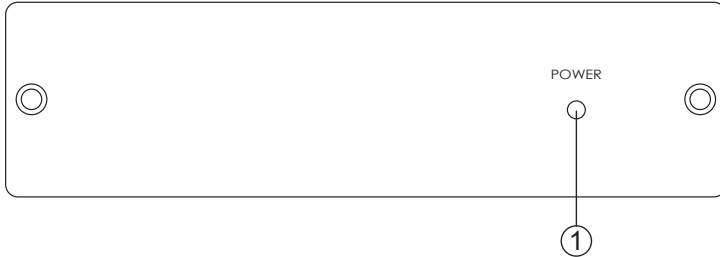
3. Package Contents

1. HDMI to CV/SV Converter
2. 5V/2.6A DC power adaptor.
3. Operation manual.

4. Operation Controls and Functions

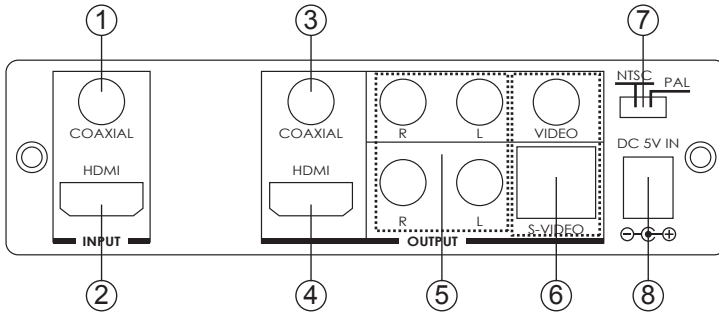
The following sections describe the hardware components.

4.1 Front Panel



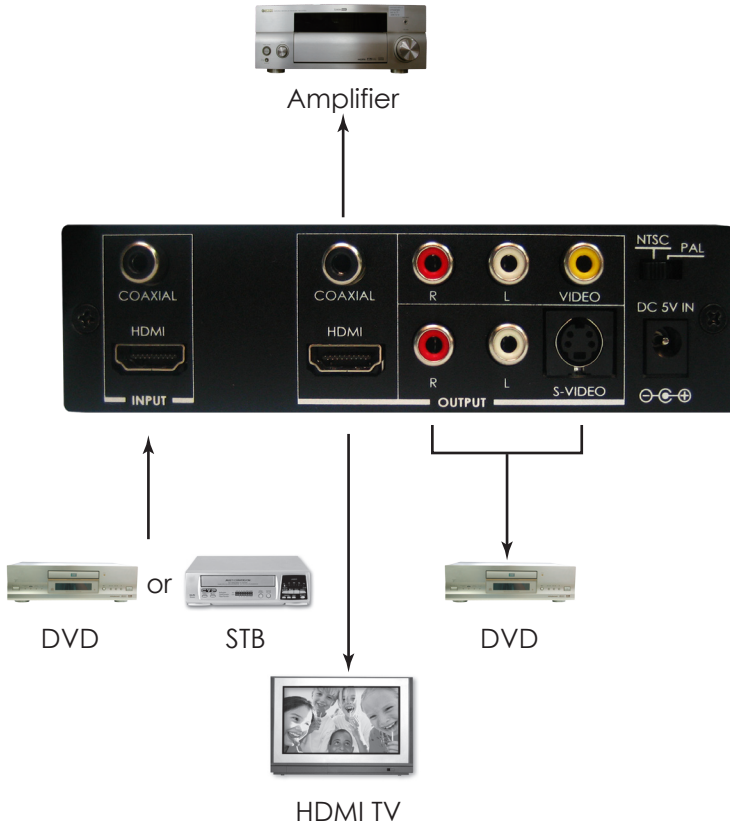
- ① Power LED: The LED indicator will illuminate when the unit is powered on.

4.2 Rear Panel



- ① Coaxial Input: Connect the digital audio input port to the Coaxial output port of your source equipment such as DVD player or Set-Top-Box.
- ② HDMI Input: Connect the HDMI input port to the HDMI output port of your source equipment such as DVD player or Set-Top-Box.
- ③ Coaxial Output: Connect the digital audio output port to the input port of your digital audio equipment such as audio amplifier.
- ④ HDMI Bypass Output: Connect the HDMI output port to the HDMI input port of your display.
- ⑤ L/R Output: Connect the analog audio output port to speakers.
- ⑥ Composite Video/S-Video: Connect the Composite Video or S-Video port to the input port of your display.
- ⑦ TV System Switcher: Select between NTSC and PAL system for output.
- ⑧ DC 5V: Plug the 5VDC power supply into the unit and connect the adaptor to AC wall outlet.

5. Connection and Installation



6. Specifications

Input Ports	1 x HDMI type A, 1 x Coaxial
Output Ports	1 x HDMI type A, 1 x Coaxial, 2 x Stereo R/L RCA jack, 1 x Composite-Video RCA jack, 1 x S-Video mini-din
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
Dimensions (mm)	141 (W) x 127 (D) x 38 (H)
Weight(g)	510
Chassis Material	Aluminum
Silkscreen Color	Black
Operating Temperature	0°C ~ 40°C