

HDMI Scaler & Audio Embedder / Extractor



- Any PC or HDTV video signal can be scaled up or down to any other PC or HDTV resolution
- Analog and digital audio inputs and outputs
- Embeds audio to HDMI from analog or digital audio source
- Horizontal mirroring (x-axis flip)
- Advanced scaling for real-time frame rate capture & conversion
- Selectable audio delay up to 150ms (for lip sync)
- OSD adjustment of contrast, brightness, color, size, sampling clock, phase, position, audio source and delay
- HDMI, HDCP, and DVI Compliant
- Supports 50/60Hz frame rate conversion
- Quick Select button combinations for setting output resolution

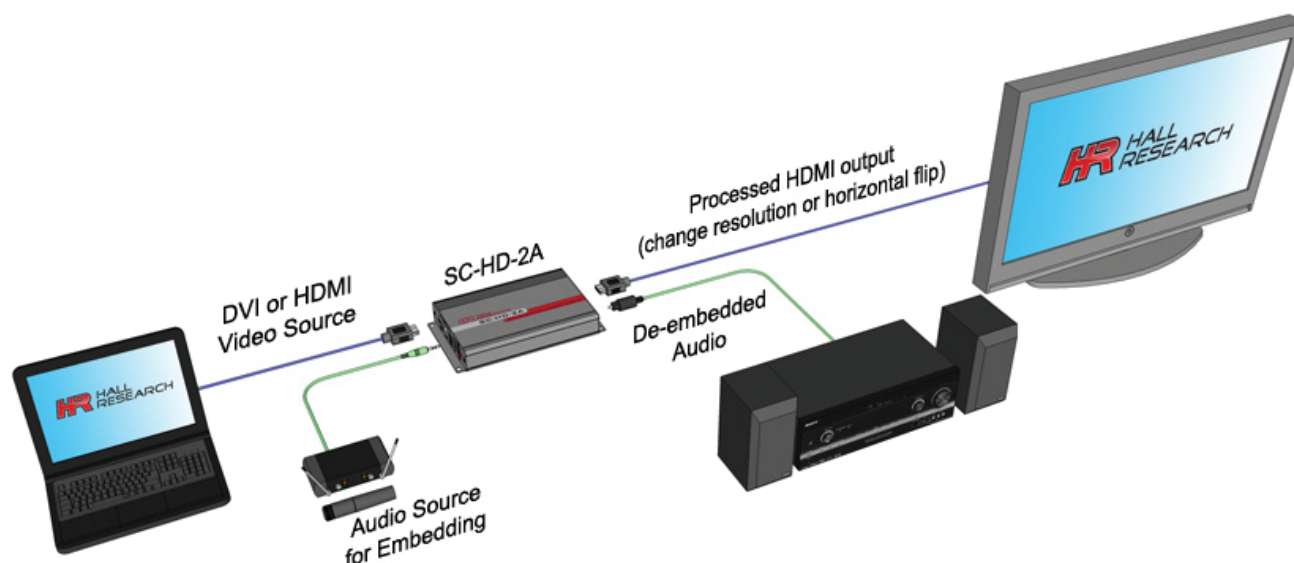
The SC-HD-2A can convert and scale DVI or HDMI video into various output resolutions. The video can be manipulated in several ways. For example, the output can be horizontally flipped (mirrored along x-axis), or hue, saturation, and other salient parameters of video can be manipulated. The mirroring feature is useful for teleprompter and rear projection systems.

The SC-HD-2A takes advantage of the HDMI signals ability to embed audio with video. For convenience, both stereo analog and optical digital audio inputs and outputs are provided. The audio from the input HDMI signal can be extracted (de-embedded) and output on both digital as well as the stereo analog signal. The audio embedded in the HDMI output can be selected from 3 sources: HDMI input, analog L/R input, or digital optical input.

The SC-HD-2A has the ability to output a wide range of resolutions regardless of the input timing and resolution. The output resolution can automatically match the native resolution of the display connected to its output (based on the EDID setting of the display), or it can be specified by the user.

The SC-HD-2A features an OSD menu for configuration, picture setup, system information and other advanced options. The compact and sturdy enclosure features integrated mounting brackets.

Block Diagram



Specifications

Video Bandwidth:	225 MHz/6.75 Gbps
Input Ports:	(1) HDMI (1) 3.5mm AUDIO (1) OPTICAL AUDIO (1) USB (Service Only)
Output Ports:	(1) HDMI (1) 3.5mm AUDIO (1) OPTICAL AUDIO
Power Supply:	5V DC @ 2.6A (US/EU Standard, CE/FCC/UL Certified)
Output Resolution:	Up to 1080p & WUXGA@60
Audio Sample Rate:	Up to 48 kHz / Optical & HDMI
Mounting:	Brackets at each end with screw holes provided for rack or wall mounting
Dimensions:	4" W x 6.5" D x 1" H 102mm W x 165.1mm D x 25.4mm H
Weight:	Shipping: 2.85 lbs (1.29 kg) Product: 0.74 lbs (0.34 kg) each
Chassis Material:	Aluminum
Operating Temp:	+32 to +104 °F (0 to 40 °C) 20%~90%, non-condensing
Power Consumption:	5.5 W
ESD Protection:	Human Body model: ±8 kV (air-gap discharge) ±6 kV (contact discharge)
MTBF:	90,000 estimated
Supported Resolutions:	Please see website