

VGA / YPbPr to HDMI Converter with Audio



- Convert VGA and audio to HDMI
- Output resolution independent of input
- State-of-the-art video scaling for real-time frame rate capture & conversion
- Horizontal mirroring (X-axis flip) of output for Teleprompting
- Supports virtually all PC and HDTV input and output resolutions
- OSD adjustment of contrast, brightness, color, size, sampling clock, phase, position, audio source and delay

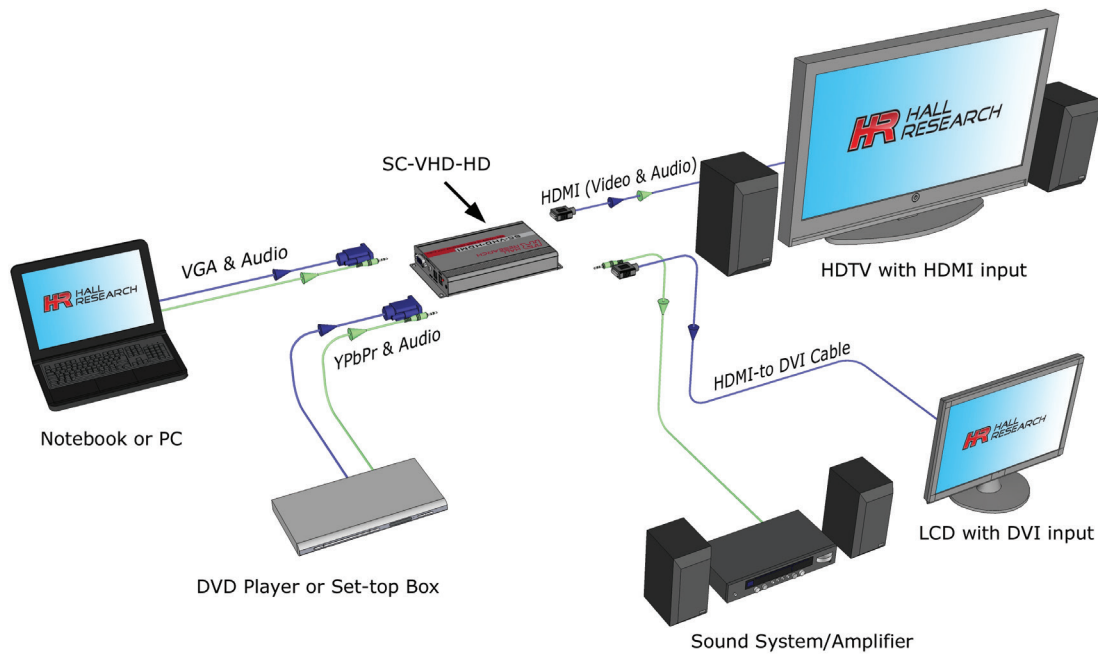
This unit can convert and scale either Component (YPbPr) or PC Analog video with audio into an HDMI™ or DVI compatible signal. The unit takes advantage of the HDMI™ cable's ability to embed the digital audio in the same cable with video. For convenience, both line level analog and optical digital audio outputs are also provided.

The SC-VHD-HD has the ability to output a wide range of resolutions and refresh rates regardless of the input timing and resolution. The output resolution setting can automatically match the native resolution of display the unit is connected to or be specified by the user.

The video processor combines the functions of a video scaler, scan-converter, and format transformer. The SC-VHD-HD also includes a horizontal mirroring feature, which is useful for Teleprompters and rear projection systems. The unit encodes the audio input signal from TosLink (Optical) or Analog (L/R) to both digital and analog formats and outputs it on HDMI™ along with video. For convenience, the unit features mounting brackets.

The SC-VHD-HD features an OSD menu for configuration, picture setup, system information and many other advanced options.

Diagram



Supported Resolutions

Input Resolution		Output Resolution	
640x480 (VGA)	60/72/75/85 Hz	640x480 (VGA)	60 Hz
800x600 (SVGA)	56/60/72/75/85 Hz	800x600 (SVGA)	60 Hz
1024x768 (XGA)	60/70/75/85 Hz	1024x768 (XGA)	60 Hz
1280x800(WXGA)	60 Hz	1280x800(WXGA)	60 Hz
1440x900 (WXGA+)	60 Hz	1440x900 (WXGA+)	60 Hz
1600x900	60 Hz	1600x900	60 Hz
1280x1024 (SXGA)	60/75/85 Hz	1280x1024 (SXGA)	60 Hz
1400x1050 (SXGA+)	60 Hz	1400x1050 (SXGA+)	60 Hz
1600x1200 (UXGA)	60 Hz	1600x1200 (UXGA)	60 Hz
1680x1050 (WSXGA)	60 Hz	1680x1050 (WSXGA)	60 Hz
1920x1200 (WUXGA)	60 Hz	1920x1200 (WUXGA)	60 Hz
480i	60 Hz		60 Hz
480P	60 Hz	480P	60 Hz
576i	50 Hz		50 Hz
576P	50 Hz	576P	50 Hz
720p	50/60 Hz	720p	50/60 Hz
1080i	50/60 Hz	1080i	50/60 Hz
1080i	50/60 Hz	1080i	50/60 Hz

Specifications

Video Bandwidth: 225 MHz/6.75 Gbps
 Input Ports: (1) HD15 (supports both VGA or YPbPr)
 (1) 3.5mm AUDIO
 (1) OPTICAL AUDIO
 (1) USB (for service only)
 Output Ports: (1) HDMI
 (1) 3.5mm AUDIO
 (1) OPTICAL AUDIO
 Power Supply: 5V/2.6A DC (US/EU
 Standard, CE/FCC/UL certified)
 Audio Sample Rate: Up to 48 kHz / Optical & HDMI

Dimensions: 4" W x 6.5" D x 1" H
 101.6mm W x 165mm D x 25mm H
 Weight: 0.75 Lbs (340g)
 Chassis Material: Aluminum
 Operating Temperature: 32 - 122°F (0 - 50°C)
 Power Consumption: 4.8W
 ESD Protection: Human Body model:
 +/- 8 kV (air-gap discharge)
 +/- 6 kV (contact discharge)
 90,000 estimated
 MTBF: