

## SB-3879

### HDMI VIDEO SCALER

**HDMI™**  
HIGH-DEFINITION MULTIMEDIA INTERFACE

Inputs : 1x COMPOSITE/AUDIO, 1x S-VIDEO/AUDIO, 1x COMPONENT VIDEO/DIGITAL/AUDIO,  
1x VGA/AUDIO, 1x DVI, 1x HDMI, 1x DisplayPort

Outputs : 1x HDMI, 1x VGA, 1x SPDIF, 1x STEREO AUDIO

VIDEO HDMI PRO

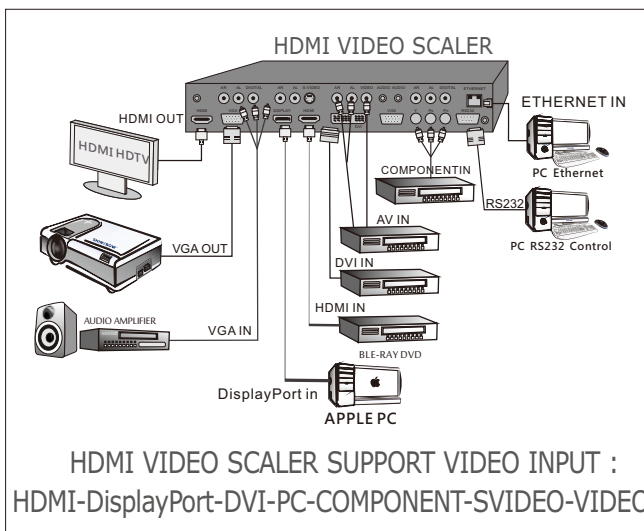


Ear Rack : 1U-300L

#### INTRODUCTION

The SB-3879 is a Professional High performance Video Graphics scaler Supporting Seven (7) different inputs and Output Signal types; HDMI, VGA and S/PDIF & Stereo Audio. The Inputs are comprised of 1x Composite Video & Audio, 1x S-Video & Audio, 1x Component Video & Audio, 1x VGA & Audio, 1x DVI & Audio, 1x DisplayPort and 1x HDMI. The available Output ports are 1x HDMI, 1xVGA, 1x S/PDIF and 1x Stereo Audio. Support S-Video with 3D comb filter, HDMI 3D 1.4a formats, HDCP 2.0 Compliant, HDCP support DVI/HDMI/DisplayPort. Video input signal Auto-Detects the video standard format from NTSC/PAL/SECAM system. Support high definition RGB digital HD signal. The scaler support s full HDTV resolution data rates enabling 480i/p, 576i/p, 720p or 1080i/p formats, Higher DVI resolution (1920x1200 ), HDMI 1080p-60, DP (2550x1600) is ideally suit for high Definition 3D TV, HDTV, Plasma display or Monitor applications. Control is provided via Front panel buttons with LED readout , RS-232, Ethernet, or IR remote control (included). An RS232 interface is provided for interfacing with third party controller. A windows-based control software package is included to provide completely control of the SB-3879 from a PC.

#### SB-3879 HDMI VIDEO SCALER



#### FEATURES

- HDMI Video Scaler Support HDMI 1.4a 3D formats, HDMI V1.4 Transmitter & Receiver, HDMI 1.4, DVI 1.0, HDCP 2.0 Compliant.
- Wide range scales HD resolutions any PC (XGA to WUXGA) and HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p from Any analog video, S-Video(Y/C), Component Video (YPbPr), PC VGA, DVI, HDMI or Display Port resolutions.
- Input port Composite Video, S-Video(Y/C), Component Video(YPbPr) 480i/p, 576i/p, 720p, 1080i/p , DVI (1920x1200), HDMI 1080p-60, Display Port (2560x1600).
- Output Support PC VGA (XGA to WUXGA) and HDMI 1080P-60 with Deep color 36-bit., Digital Audio support SPDIF and Stereo Audio outputs.
- Input resolution up to 1080p, 1920x1080, 1920x1200 and 2560x1600 (only in DP).
- Bypass XGA & 720P 120Hz 3D signal for DLP link 3D ready projector for active 3D display, and audio receivers/amplifiers.
- Advanced 3D de-interlace, smooth edge algorithm and 3:2/2:2 film mode processing.
- Support 3D formats: Frame packing, side by side and top/bottom signal types.
- Support full HD @24Hz full HD 3D signal with special algorithm for RH/LH synchronization.
- Support intelligent color adjustment (Discrete RGB color adjustment, Hue, saturation, sharpness, contrast, brightness and (4) preset color modes).
- OSD (on screen display) for menu color, resolution and input source selections.
- Various User Interface control:
  - Windows based GUI control via RS232 port
  - Front Panel push button
  - IR wireless remote control
  - Ethernet with built-in web browser
  - Third party RS232 controller (via simple ASCII)
- Support IR Remote and IR Extender with cable distance up to ~ 1000' (300M) Maximum.
- Desktop with optional 19 inch Rack mount (included).
- Power supply DC12Volt, Universal Type switch 100~240VAC, 50/50Hz.

#### SPECIFICATIONS

- Type of Scaler: HDMI High Quality Video scaler.
- HDMI Compliant : HDMI 1.4a compliant receiver and output transmitter, DVI 2.0,
- HDCP Supports : DVI/HDMI/DisplayPort Compliant with HDCP 2.0 specification
- Video Inputs : Composite/S-Video(y/c)/Component(YPbPr)/VGA/DVI/HDMI/DP
- Audio Inputs : SPDIF, Digital Audio (PCM) and Stereo Audio.
- Video Outputs : 1x RGB, 1x HDMI
- Audio Outputs : 1x S/PDIF digital audio, 1x Analog audio RH/LH, HDMI audio
- Input Resolution : Up to 1080p-60, 1920x1200 and 2560x1600(only in DP)
- Output Resolution : Up to 1080p-60 and 1920x1200
- Controls: IR EXT, Select buttons on the front panel & RS232
- 3D Supports: 3D Video format in HDMI 1.4a (225MHz)
- Output Timing: 480i, 480p, XGA@60, 480P, 720P-60, 1080P-60, XGA@50, 576P, 720P@50, 1080P@50, UXGA@60, UXGA@50, WXGA@60, WXGA@50, XGA@60, XGA@50, 1400x1500@50, 1400x1500@60, 1920x1200@60, 1280x800@60, SVGA@60, 1280x800@50, 1080p@24, 720p@120, 720p@100, XGA@120
- HDMI Cable Distance: 15Meter (49 feet) maximum depending on the cable quality.
- Infrared frequency: 38KHz.
- IR Extender Distance: IR Extender with cable distance up to ~1000 feet (300M) max.
- Safety Approvals: CE, FCC, RoHS(2002/95/EC).
- Dimensions (LWH): 11.96" x 5.90" x 1.73" (304mm x 150mm x 11mm)
- Power Supply: Input 100~240VAC, 50/60Hz, output 12VDC, 10A.
- Shipping Weight : 2.05 Kgs / 3.42 lb