

## SB-3879

### HDMI Video Scaler

Input : 1x Component Video / Stereo Audio (AR/AL), 1x Composite Video / Stereo Audio (AR/AL), 1x S-Video / Stereo Audio (AR/AL), 1x VGA / Audio, 1x DVI / Audio, 1x HDMI, 1x Display Port  
 Output : 1x HDMI, 1x VGA, 1x S/PDIF, 1x Stereo Audio (AR/AL)

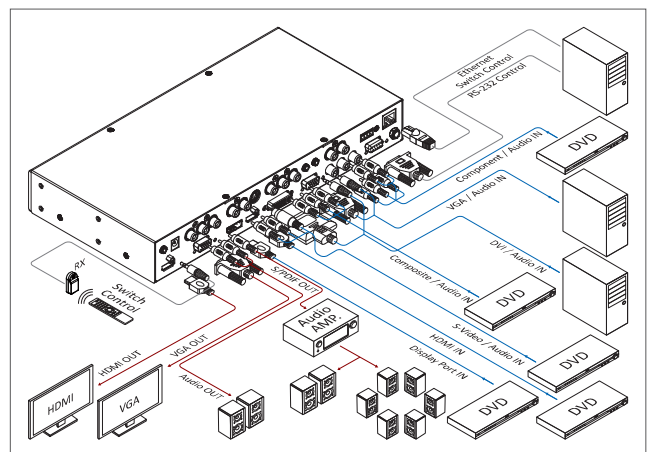
VIDEO | PRO | VGA | HDMI  
 COMPONENT | COMPOSITE  
 SCALER | DVI | S-VIDEO



### INTRODUCTION

The SB-3879 is a professional high performance video graphics scaler supporting seven (7) different inputs and output signal, 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. This scaler supports S-Video with 3D comb filter, HDMI™ 3D 1.4a formats, HDCP 1.3 Compliant. It is able to auto detects the video standard format of input signal from NTSC / PAL / SECAM system, and convert to high definition RGB digital HD signal. The scaler supports full HDTV resolution data rates enabling 480i/p, 576i/p, 720p or 1080i/p formats, higher DVI resolution (1920x1200), HDMI™ 1080p-60, DP (2560x1600) which is ideally for high definition 3D TV, HDTV, Plasma display or monitor applications. Control is provided via front panel buttons, RS-232, Ethernet, or IR remote control (included). A RS-232 interface is provided for interfacing with third party controller. The windows-based control software package is included to provide complete control of the SB-3879 from a PC.

### DIAGRAM TYPICAL



### FEATURES

01. HDMI Video Scaler Support HDMI 1.4a 3D formats, HDMI V1.4 Transmitter & Receiver, HDMI 1.4, DVI 1.0, HDCP 1.3 Compliant
02. 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
03. 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)
04. Output Support PC VGA (XGA to WUXGA) and HDMI 1080P-60 with Deep color 36-bit, Digital Audio support S/PDIF and Stereo Audio outputs
05. Input resolution up to 1080p, 1920x1080, 1920x1200 and 2560x1600 (only in DP)
06. Bypass XGA & 720P 120Hz 3D signal for DLP link 3D ready projector for active 3D display. and audio receivers/amplifiers
07. Advanced 3D de-interlace, smooth edge algorithm and 3:2/2:2 film mode processing
08. Support 3D formats : Frame packing, side by side and top/bottom signal types
09. Support full HD @24Hz full HD 3D signal with special algorithm for RH/LH synchronization
10. Support intelligent color adjustment (Discrete RGB color adjustment, Hue, saturation, sharpness, contrast, brightness and (4) preset color modes)
11. OSD (on screen display) for menu color, resolution and input source selections
12. Various User Interface control :
  - Windows based GUI control via RS-232 port
  - Front Panel push button
  - IR wireless remote control
  - Ethernet with built-in web browser
  - Third party RS-232 controller (via simple ASCII)
13. Support IR Remote and IR Extender with cable distance up to ~ 1000 feet (300M) Maximum
14. Desktop with optional 19 inch Rack mount (included)
15. Power supply DC12Volt, Universal Type switch 100~240VAC, 50/60Hz

### SPECIFICATIONS

Scaler Type	7 in 2 out HDMI Video Scaler
Video Input Signal	1x Composite / 1x S-Video / 1x Component / 1x VGA / 1x DVI / 1x HDMI / 1x DP
Audio Input Signal	Digital Audio (PCM), Stereo Audio
Video Output Signal	1x RGB, 1x HDMI
Audio Output Signal	1x S/PDIF Digital Audio, 1x Analog Audio RH/LH, 1x HDMI Audio
3D Support	3D Video Format in HDMI 1.4a (225MHz)
Input Resolution	Up to 1080p-60, 1920x1200, and DP 2560x1600
Output Resolution	Up to 1080p-60 and 1920x1200
Source Status	Automatic scanning of input/output status
HDCP Support	DVI / HDMI / Display Port, compliant with HDCP 1.3
HDMI Compliance	HDMI 1.4a receiver and transmitter
HDMI Cable Distance	Max 15 meters (~49 feet), depending on cable quality
Infrared Frequency	38KHz
Chassis Material	Metal
IR Extend Distance	300 meters (~1000 feet) line cable via IR extender
Control	IR remote control, RS-232, front panel push buttons
Temperature	32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-300L)
Dimension (WxDxH)	11.9" x 6.06" x 1.73" (304mm x 154mm x 44mm)
Weight	1.4 kg / 3.08 lb
Power Supply	DC 12V, @3A (World Wide Universal AC 100~240V 50/60Hz)