

## SB-1108

### 1x8 VGA Distribution Amplifier

Input : 1x VGA (RGBHV)  
Output : 8x VGA (RGBHV)

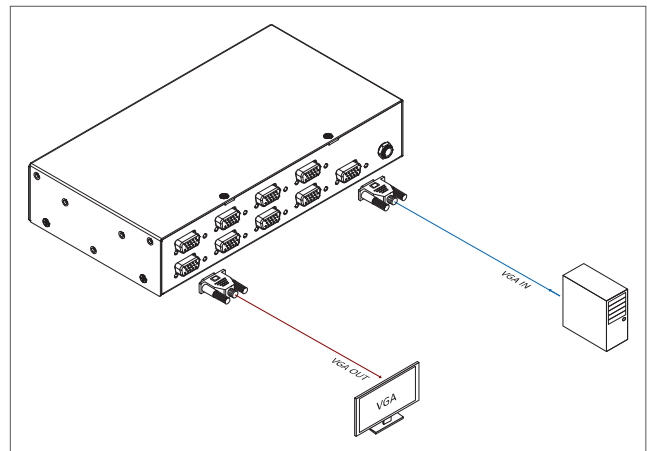
VGA AMPLIFIER



#### INTRODUCTION

SB-1108 is a 1 Input To 8 Outputs for VGA (RGBHV) signals distribution amplifier respectively. For HD high resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1920x1200) Plasma Display or Monitor. Also support full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. An ultrahigh speed current feedback amplifier with a phenomenal 5500V/us, slew rate that results in a rise time of 545ps, making it ideal as a pulse amplifier. The high slew rate reduces the effect of slew rate limiting and results in the large signal Bandwidth 440MHz (G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048 x 2048 at distances up to 150 feet away without signal deterioration. Signal quality is main-tained over a wide bandwidth with worst-case distortion of -40dBc @ 250MHz (G=+10, 1Vp-p). Input and output connectors are HD-15 female type. Support wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

#### DIAGRAM TYPICAL



05

#### FEATURES

01. Support 1 input to 8 outputs of Signal VGA (RGBHV) Distribution Amplifier
02. Low Distortion over Wide Bandwidth Large Signal Bandwidth 440MHz, G=+2, Small signal Bandwidth 1GHz (-3dB) G=+1
03. High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200)
04. High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
05. Support Lower power consumed full load under 500mA
06. Automatically Scan rates accepted : 50Hz or 60Hz
07. Goods Video Specifications Gain Flatness 0.1dB to 75MHz
08. High Output Drive 175 mA Output Load Drive
09. Terminal via HDdB15P Female connector
10. Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V,0.66A

#### SPECIFICATIONS

Type of Amplifier	1 input to 8 outputs VGA Distribution Amplifier
Type of Signals	VGA (RGBHV) via HD-15p via HD-15P female connectors
Large Signal Bandwidth	440MHz, G=+2
Small signal Bandwidth	1GHz (-3dB) G=+1
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Scan rates accepted	50Hz or 60Hz
Resolutions	VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
Safety Approvals	CE, FCC, Erp, WEEE
Dimension (WxDxH)	8.66" x 4.48" x 1.73" (220mm x 114mm x 44mm)
Weight	0.85 kg / 1.87 lb
Power Supply	DC 12V, @0.5A (World Wide Universal AC 100~240V 50/60Hz)