SB-1102G

1X2 VGA (RGBHV) DISTRIBUTION AMPLIFIER SPLITTER



INPUT: 1X VGA (RGBHV)

OUTPUTS: 2X VGA (RGBHV) WITH BOOSTER, 1X VGA PREVIEW OUTPUT

INTRODUCTION

SB-1102G is a (1) input to (2) output VGA (RGBHV) Distribution Amplifier with VGA output booster function. Supports HD high resolutions VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1920x1200), WUXGA (1920x1200) on Plasma Displays or Monitors and full HD resolutions for 480i, 480p, 576p, 720p, 1080i and 1080p HDTV. 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. High slew rate reduces the effect of slew rate limiting resulting in Large Signal Bandwidth of 440MHz (G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) delivers computer resolutions up to 2048x2048. HD-15 female type input and output connectors. Wall mountable metal case, 1 inch high. All units are +12VDC powered and the universal switching power supply 100~230VAC 50/60Hz CE, FCC approved adaptor is included.

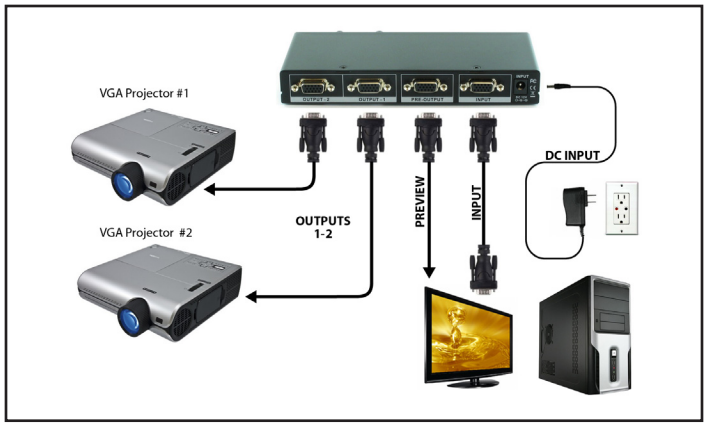
FEATURES

- Supports (1) input to (2) outputs and (1) Preview Output VGA (RGBHV) Signal
- Low Distortion over Wide Bandwidth:
  - Large Signal Bandwidth 440MHz, G=+2
  - Small signal Bandwidth 1GHz (-3dB) G=+1
- High VGA resolutions for VGA, SVGA, XGA, UXGA, WUXGA (1920x1200) maximum up to 2048x2048 resolution
- High Definition HDTV resolutions for 480p, 720p, 1080i and 1080p (1920x1080)
- 175mA High Output Load Drive
- Scan Rates Accepted: 50Hz or 60Hz
- Terminal via HD DB15P Female connector
- Power Supply: Universal type 100~230VAC, 50/60Hz

SPECIFICATIONS

- Type of Amplifier: (1) input to (2) outputs and (1) Preview Output VGA Distribution Amplifier
- Input: 1x port of VGA (RGBHV), HD-15p Female connector
- Preview Output: 1x port of VGA (RGBHV), HD-15p Female connector
- Outputs: 2x port of VGA (RGBHV), HD-15p Female connector
- VGA Resolution: VGA /UXGA (16x9 or 4x3), 2048 x 2048 Max
- Video Bandwidth: >1GHz
- Video Distortion: <0.2db (Standard +/- 3db)
- Color Scanning: Level & Equalizer (Integrated Adaptive)
- Enclosure Type: Metal Wall Rack mountable
- Encoder/Decoder Unit: FCC, CE, RoHS
- Power Source: DC 12 Volts@300mA-660mA (Consumed 180mA Max)
- Size (WxDxH): 6.92 x 3.15 x 1 in
- Net Weight: (Unit only) 1.5 lb (Approx)

EXAMPLE



1X2 VGA DISTRIBUTION AMPLIFIER