SB-1108G

1X8 VGA DISTRIBUTION AMPLIFIER



INPUT: 1X VGA (RGBHV)

OUTPUTS: 8X VGA (RGBHV)

INTRODUCTION

SB-1108G is a (1) input to (8) output VGA (RGBHV) Distribution Amplifier. 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 at distances up to 150 feet away without signal deterioration. Signal quality is maintained over a wide bandwidth with worst case distortion of -40dBc@250MHz (G=+10, 1Vp-p). HD-15 female type input and output connectors. Wall mountable metal cases, 1RU high. All units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

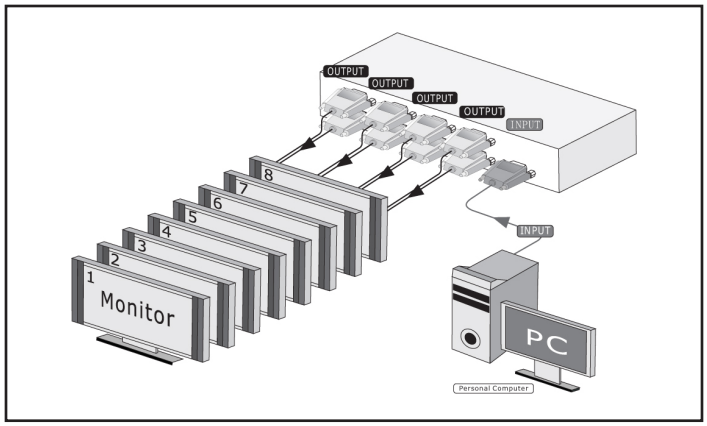
FEATURES

- Supports (1) input to (8) outputs 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)
- Scan Rates accepted: 50Hz or 60Hz
- Gain Flatness 0.1dB to 75Mhz
- High Output Load Drive 175mA
- Terminal via HD DB15P Female connector
- Supports Lower power consumption: full load under 550mA
- Power Supply: Universal type 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: 10ns to 0.1%, 2VStep, G=+2
- Scan Rates Accepted: 50Hz or 60Hz
- Resolutions: VGA, SVGA, XGA, UXGA, WUXGA 1920x1200
- Safety Approvals: CE, FCC, Erp, WEEE
- Dimensions (LxWxH): 8.66 x 4.49 x 1.73 in (220x114x44 mm)
- Net Weight (Unit Only): 0.85kg/1.87lb
- Power Supply: 100~240VAC, 50/60Hz, DC12V@0.66A

EXAMPLE



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