SB-1116G

1X16 VGA (RGBHV) DISTRIBUTION AMPLIFIER SPLITTER



INPUT: 1X VGA (RGBHV)

OUTPUTS: 16X VGA (RGBHV)

Ear Rack: 1U-440L



INTRODUCTION

SB-1116G is a (1) Input to (16) Output VGA (RGBHV) Distribution Amplifier for HD high resolution for VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024) UXGA (1920x1200), WUXGA (1920x1200) Plasma Displays or Monitors. It is 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 Large Signal Bandwidth of 440MHz (G=+2), Small signal Bandwidth (-3dB), 1000MHz (G=+1) and 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). Input and output connectors are HD-15 female type. Wall mountable metal case, 1RU high; all units are +12VDC powered and the universal switching power 100~240VAC 50/60Hz adaptor is included.

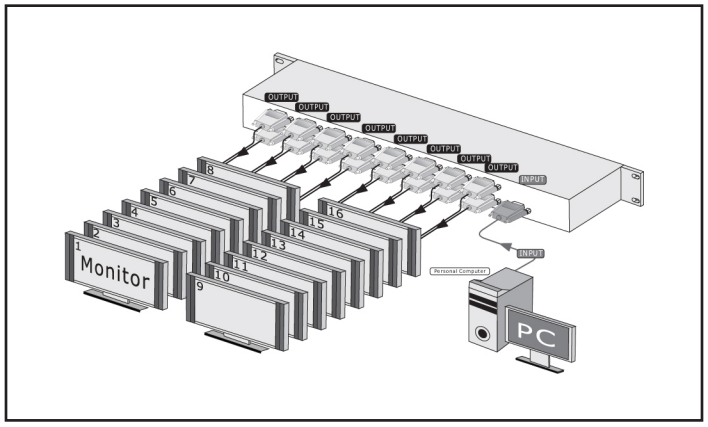
FEATURES

- Supports (1) input to (16) 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)
- Supports Lower power consumption: full load under 500mA
- Automatic Scan Rates Accepted: 50Hz or 60Hz
- Gain Flatness 0.1 dB to 75MHz
- High Output Drive: 175mA Output Load Drive
- Terminal via HD DB15P Female connector
- Enclosure Support 19” Ear rack mount pair and 1RU 19” rack mountable
- Power Supply : Universal switching 100~240VAC, 50/60Hz, DC12V, 1.25A

SPECIFICATIONS

- Type of Amplifier: (1) input to (16) 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
- Enclosure Type: Support 19” ear rackmount pair for 1RU mount
- Dimensions (LxWxH): 17.3 x 7.87 x 1.73 in (440x200x44 mm)
- Net Weight (Unit Only): 2.45kg/5.4lb
- Power Supply: Universal switching 100~240VAC, 50/60Hz, DC12V, 1.25A

EXAMPLE



1X16 VGA DISTRIBUTION AMPLIFIER