

VGA DISTRIBUTION AMPLIFIER

1:16 VGA DISTRIBUTION AMPLIFIER

16 Outputs VGA (RGBHV) Distribution Amplifier

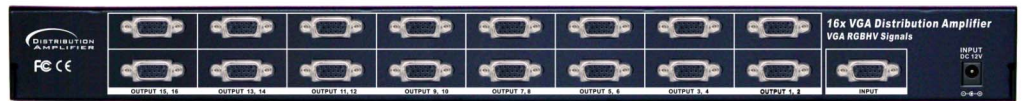
SB-1116



SB-1116MRM



SB-1116 provide 16 outputs respectively. For high resolution VGA(640x480), SVGA(800x600), XGA(1024x768), SXGA (1280x1024), UXGA(1920x1200), WUXGA(1920x1200). 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. The SB-1116MRM is housed 19 inch rack mountable metal cases, 1 RU high. All units are +12VDC powered and power adaptor is included.



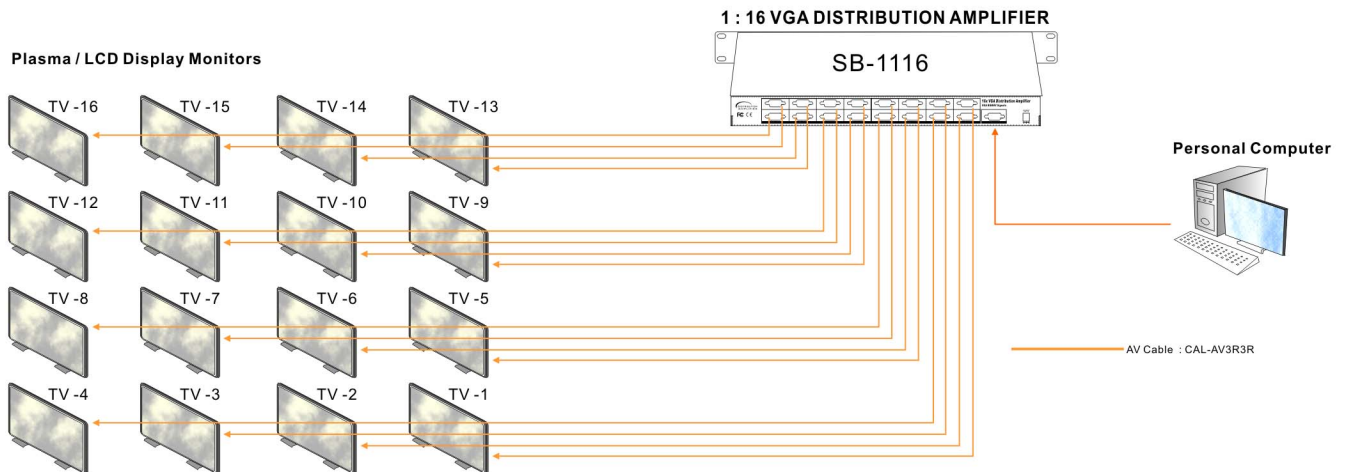
Key Features

- Support 1 input to 16 outputs VGA Distribution Amplifier
- 2,4,and 8 output versions available
- Large Signal Bandwidth 440MHz, G=+2
- Small signal Bandwidth(-3dB) 1GHz, G=+1
- Settling Time 10 ns to 0.1%, 2 V Step, G=+2
- Low Distortion over Wide Bandwidth
- High resolution for VGA, SVGA, XGA, UXGA,WUXGA 1920x1200
- Goods Video Specifications Gain Flatness 0.1 dB to 75 Mhz
- High Output Drive 175 mA Output Load Drive
- Scan rates accepted : 50Hz or 60Hz
- Enclosure type : Support 19 inch Ear/Rack mountable
- Support Lower power consumed full load under 500mA

Specifications

Type of Amplifier	1 input To 16 outputs VGA Distribution Amplifier
I/O signals	RGBHV, RGBS, RGsB (RGB Level Range 0.5~2.0 Vp-p)
Video Bandwidth	Large signal 440MHz, small signal(-3dB) 1GHz
Slew Rate	5500 V/us, 4V Step, G=+2
Settling Time	10 ns to 0.1%, 2 V Step, G=+2
Gain flatness	0.1 dB to 75MHz, RL=150Ω 0.01% differential gain error; RL=150Ω 0.01° differential phase error; RL=150Ω
Low distortion SFDR	-66 dBc @ 20 Mhz, Second Harmonic -75 dBc @ 20MHz, Third Harmonic
High Resolution	Maximum 2048 x 2048
Amplifier Unit	FCC, CE, RoHS(2002/95/EC)
Power Supplies	UL, CE, CSA, TUV, BS
Power distortion	400 mA full load
Dimensions (W.D.H.)	17.32" (W) x 7.80" (D) x 1.73" (H)
Net Weight (Unit Only)	About 2374 grams (with metal case)
Power Voltage Input	DC 12V @500mA, ~3A accepted

Installing



Order Information

Item Number	Accessories (Packaged)	Part Number	Accessories (non - Packaged)
• SB-1116	1:16 VGA Distribution Amplifier	• CAL-VGA5M	VGA Cable: HD15-HD15 Male (5M)
• SB-1116MRM	19 inch Rack mountable		
• MPA-SW1200	Switch Adaptor : 12VDC,@500mA.		
• EAR-L440	Ear Mount unit for L=440mm		