SB-1110

2X1X8 VGA MATRIX SWITCHER + VGA DISTRIBUTION AMPLIFIER



INPUTS: 2X VGA (RGBHV)

OUTPUTS: 8X VGA (RGBHV)

INTRODUCTION

SB-1110 is a (2) input to (8) output VGA Routing Switcher Distribution Amplifier with a Video Bandwidth of 310MHz (Max 380MHz). It's one of the most innovativeVGA Routing Switch Distribution Amplifier products on the market today. Because it is a switcher, the (2) input can be routed to any of the (8) outputs. It completely eliminates the need to constantly move around VGA cables. This Switcher/Distribution Amplifier is ideally suited for full HD LCD Television or Plasma display monitor applications. Control is provided via direct selection front panel push buttons with LED readout.

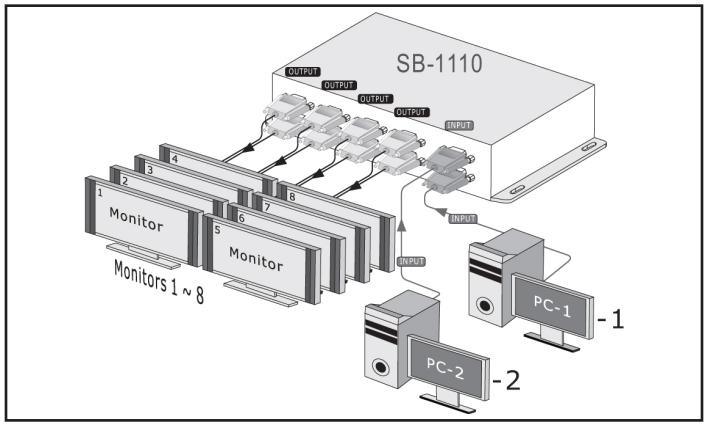
FEATURES

- Supports (2) input to (8) outputs VGA Signal
- Supports PC Resolutions: VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
- Video Bandwidth: 380MHz (-3dB), 200mVp-p
- Excellent Video (VGA-RGBHV) and Stereo Audio Performance
- Low all hostile crosstalk of -83dB@5MHz
- Excellent ESD Rating: exceeds 4000V
- Switches RGBHV in LCD monitors and plasma displays
- Suitable for full HD high resolution video playerss and LCD/Plasma displays
- Direct selection and control via front panel push buttons with LED readout
- Supports Lower power consumption: full load under 550mA
- Power Supply: Universal type 100~240VAC switch

SPECIFICATIONS

- Type of Switcher: (2) inputs to (8) outputs VGA Switcher Distribution Amplifier
- Video Bandwidth: 380MHz, (-3 dB) 200mVp-p, 310MHz, (-3 dB) 2Vp-p, R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
- Gain Flatness: 90MHz , 0.1dB
- Differential Gain Error: 0.01%, 0.1dB
- Differential Phase Error: 0.02 , 0.1dB (RL=150W)
- Fast Settling Time: 15ns to 0.1%
- All Hostile Crosstalk: -84db@5MHz, -54dB@50MHz
- Channel Crosstalk: -56db@100MHz
- Slew Rate: 1000 V/us, G=+1, 2VStep
- High OFF Isolation: -100dB@10MHz
- Output Current: 100mA
- Low Power CMOS: 550uA Quiescent Current
- Controls: Front panel selection buttons with LED readout
- Safety Approvals: CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH): 8.66 x 4.48 x 1.73 in (220x114x44 mm)
- Net Weight (Unit Only): 0.85kg/1.87lb
- Power Voltage Input : DC 12V@1.25A

EXAMPLE



2X1:8 VGA SWITCHER-DISTRIBUTION AMPLIFIER