SB-4140

4X4 VGA MATRIX SWITCHER + IR + RS-232



INPUTS: 4X VGA (RGBHV)

OUTPUTS: 4X VGA (RGBHV)

EAR RACK: 1U-440L





INTRODUCTION

SB-4140 is a high speed VGA (4) In to (4) Out Matrix switcher with a video bandwidth of 310MHz, Maximum 380MHz. It's one of the most innovative VGA (RGBHV) signal switching products. Supports 19 inch ear mount pair part number #1U-440L and full 19 inch 1RU Rack mount part type. It supports (4) individual inputs with (4) individual outputs. Because it is a matrix routing switcher, any input may be routed to any output. It completely eliminates the need to constantly move around VGA input and output cables. This switcher is ideally suited for full HD High Definition LCD HDTV Television for VGA (R,B,G,H,V) signals or HD Plasma display monitor resolution applications. Supports worldwide control key functions: ALL/OFF/RECALL/ENTER/MEMORY/EDID/LOCK, Control is provided front panel push buttons, IR remote or RS-232. A RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

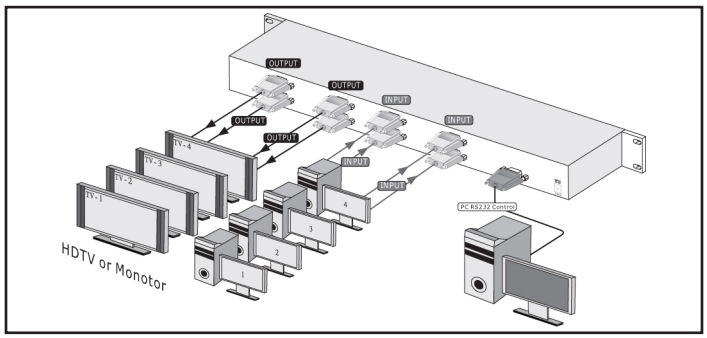
FEATURES

- (4) inputs to (4) outputs VGA Matrix Switcher
- Supports PC Resolution 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
- Switching RGBHV in LCD monitors and plasma displays
- Suitable for full HD high resolution Video player device and LCD/Plasma monitor displays
- Direct selection and confirm via front push buttons with LED readout
- Infrared : IR remote control (38KHz)
- Support RS-232 interface control driver for 95/98/2000/xp A Windows-based control software Driver packaged
- RS-232 protocol list with manual attached
- Enclosure type: Support 19 inch Ear & Rack mountable panel
- Supports Lower power consumption full load under 950mA
- Power supply offer a universal type 100~240 VAC switch

SPECIFICATIONS

- Type of switcher: (4) inputs to (4) outputs VGA Matrix Switcher
- Video Bandwidth: 380MHz, (-3 dB) 200 mVp-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: 1000V/us, G=+1, 2VStep
- High OFF Isolation: -100dB@10MHz
- Output Current: 100mA
- Low power CMOS: 550uA Quiescent Current
- Control: IR Remote Controller (38KHz), Front panel selection buttons with LED readout and RS-232 PC control
- Safety Approvals: CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH) : 17.32 x 7.80 x 1.73 in (440x200x44 mm)
- Net Weight (Unit Only) : About 2.45kg/5.4 lb
- Power Voltage Input : DC 12V@1.25A

EXAMPLE



4X4 VGA MATRIX SWITCHER