SB-4140LCM

4X4 VGA MATRIX SWITCHER + IR + RS-232



INPUTS: 4X VGA (RGBHV)

OUTPUTS: 4X VGA (RGBHV)

EAR RACK: 1U-440L





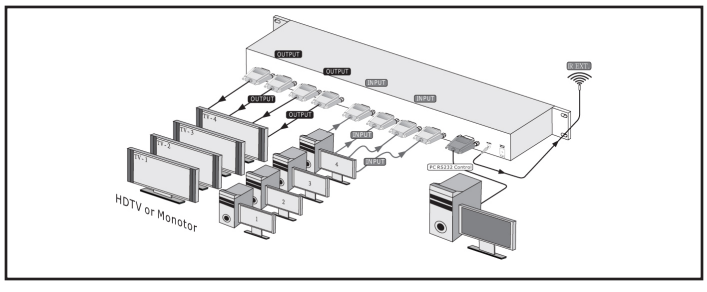
INTRODUCTION

SB-4140LCM is a high speed Video Bandwidth 310MHz, Maximum 380MHz VGA (4) in To (4) out Matrix switch product. It's one of the most innovative VGA (RGBHV) signals switching product. Support 19 inch Ear mount pair part number #1U-440L and MRM is full 19 inch 1RU Rack mount part type. It support (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. Support world wide 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 (RBGHV) Matrix Switcher
- Input/Output signals via analog VGA (RGBHV)
- Higher Video Bandwidth 380MHz (-3dB), 200mVp-p each path signals
- Selection buttons direct channel on front panel
- Supports PC Resolution VGA (640x480), SVGA (800x600), XGA (1024x768), SXGA (1280x1024), UXGA (1600x1200), WUXGA (1900x1200)
- Excellent Video (VGA-RGBHV) and Stereo Audio Performance
- Low all hostile crosstalk of -83dB@5MHz
- Excellent ESD rating: exceeds 4000V
- Various User Interface controls:
  - Windows based GUI control via RS-232 port
  - Front Panel push button
  - IR wireless remote controller
  - Third party RS-232 controller (via simple ASCII)
- 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)
- Supports world wide (6)x control function keys:
- Full function front panel controls: ALL/OFF/LOCK/RECALL/MEMORY/ENTER
- Supports RS-232 interface control AP driver for PC 95/98/2000/xp
- A Windows-based control software Driver packaged
- Supports desktop with Ear mount and 19 inch 1U Rack mountable type panel
- Supports Lower power consumption full load under 950 mA
- Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

EXAMPLE



4X4 VGA MATRIX SWITCHER

SPECIFICATIONS

- Type of VGA switch: (4) inputs to (4) outputs VGA Matrix Switcher
- Video Bandwidth: 380MHz, (-3 dB) 200mVp-p, 310MHz, (-3 dB) 2Vp-p
  R=325MHz, G=325MHz, B=325MHz, H=110MHz, V=110MHz
- Input: VGA: 4x Video (Composite Video) use VGA HD15P connectors
- Output : VGA: 4x Video (Composite Video) use VGA HD15P connectors
- Source Status: Input status LEDs indicates presence of a live signal
- Gain Flatness: 90 Mhz , 0.1 dB
- Differential Gain Error: 0.01%, 0.1 dB
- Differential Phase Error: 0.02 , 0.1 dB (RL=150 W)
- Fast settling time: 15ns To 0.1%
- All Hostile Crosstalk: -84db@5MHz, -54 dB@50MHz
- Channel Crosstalk: -56 db @ 100 MHz
- Slew Rate: 1000 V/us, G=+1,2 V Step
- High OFF Isolation: -100dB@10MHz
- Output Current: 100 mA
- Low power CMOS: 550 uA Quiescent Current
- Infrared Frequency: 38KHz
- IR External Distance: ~984 feet / 300 meters maximum.
- Switch Controls:
  - 1x Select & Function buttons on front panel (Data status via LCM panel show out)
  - 1x IR Remote Controller (switch control)
  - 1x RS-232 series interface (switch control)
- (14) Function key Control: 1. ALL, 2. OFF, 3. RECALL, 4. ENTER, 5. MEMORY, 6. LOCK, 7.Destination button 1 thru 4, 8.Source button 1 thru 4
- Safety Approvals: CE, FCC, VCCI, Erp, WEEE
- Dimensions (LxWxH): 17.32 x 7.8 x 1.73 in (440x200x 4 mm)
- Rack Mount: 1RU High 19in Rack Mount #1U-440L (with rack mount)
- Net Weight (Unit Only): About 2.45kg/5.4 lb
- Power Voltage Input: DC 12V@1.25A, Use Universal Type 50/60Hz,100~240VAC