SB-5684LCM

8x4 HDMI MATRIX SWITCHER

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI MATRIX SWITCHER PRO

Inputs : 8x HDMI
Outputs : 4x HDMI+1x HDMI Preview Output



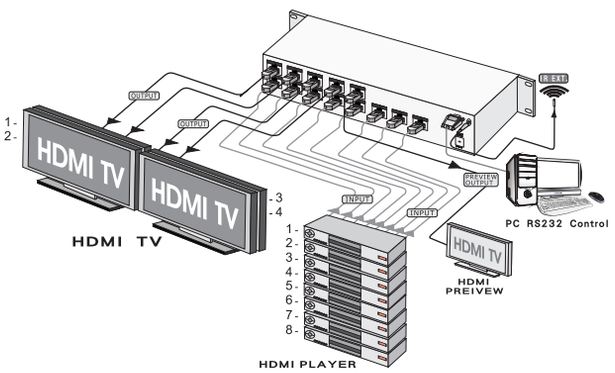
Ear Rack: 1U-440L

INTRODUCTION

The SB-5684LCM is high-performance 8x4 matrix routing switcher for HDMI signals. This switcher supports data rates up to 2.25 Gbps, enabling 1080p HDMI formats and UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any outputs simultaneously.

The Switcher is certified and fully HDMI and HDCP compliant, with CE,FCC certification. Support high resolution HDMI sources routed to HDMI displays, monitors, projector or audio receivers. The EDID can be selected between eight (8) different modes and learning mode. Control is provided via front panel push buttons, IR remote or via Rs232. A RS232 Windows GUI interface is provided for matrix routing.

SB-5684LCM HDMI MATRIX SWITCHER 8x4



8x4 HDMI MATRIX SWITCHER

FEATURES

1. Support (8)x HDMI digital source devices Matrix switched to (4)x HDMI destinations.
2. HDMI Digital video/multi-channel audio format, DVI 1.0 format and HDCP 2.0 compliant.
3. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p up to 36 bit, 3D formats.
4. Support link speeds of up to 2.25 Gbps (link clock rate of 250 MHZ)
5. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
6. Support (1) Preview output, Signal as output #1 simultaneously.
7. Audio Supports Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2.
8. Support IR Remote and IR Extender with distance 300M Maximum
9. Various User Interface controls:
   - Windows based GUI control via RS232 port.
   - Front Panel push buttons
   - IR wireless remote controller
   - IR External port (Switch Control)
   - Ethernet serial interface. (Switch Control)
   - Third party RS232 controller (via simple ASCII)
10. Compatible with full HD high resolution Video player device and LCD/Plasma monitor displays or Projector,
11. Direct selection and confirm via Front push buttons with LED readout
12. Infrared : IR remote control (38KHz)
13. Support world wide eight (8) select embedded EDID modes: Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, DVI-D 1280x1024-60Hz, DVI-D 1920x1200-60Hz, AUTO.
14. Support seven (7) control function key: ALL/OFF/RECALL/ENTER/MEMORY/LOCK/EDID,
15. Support RS232 interface control AP driver for PC 95/98/2000/xp
    A Windows-based control software Driver packaged
16. Support desktop with Ear mount and 19 inch 1U Rack mountable type panel
17. Support Lower power consumed full load under 3880 mA
18. Power supply DC12Volt, Universal Type Switch 100~240VAC, 50/60Hz

SPECIFICATIONS

1. Type of HDMI Switcher:	(8)x inputs To (4)x Outputs HDMI Matrix Switcher.
2. HDMI Support :	HDMI Video 0.5~1Vpp, DDC5Vpp, HDMI V1.4a, 3D formats.
3. HDCP / CEC Support:	HDCP 2.0 Compliant, CEC Compliant.
4. Video Bandwidth :	Double Data Rates: 250Mhz, Total 2.25Gbps bandwidth.
5. Digital Video Support :	HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
6. Input :	(8)x HDMI (HDMI or DVI digital source).
7. Output :	(4)x HDMI (To 4x Destinations). (1)x HDMI (Preview output : Signal as output #1 simultaneously).
8. Switch Controls :	1x Select & Function buttons on front panel (Data status via LED panel readout) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x Ethernet serial interface (RJ-45 8p8c female socket) 1x RS 232 series interface (switch control)
9. Source Status :	Input status LEDs indicates presence of a live signal.
10.(19) Function Control Keys:	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (4), 9.Source button (1) thru (8).
11.Infrared Frequency:	38 Khz
12.IR External Distance:	~984 feet / 300 meters maximum.
13.HDMI I/O Connector:	HDMI Type A - SMD 19pin Female Type
14.Temperature:	Operating Temperature 32℉ - 100℉ (0℃ - 32℃)
15.Dimensions:	LxWxH=19 "x 9.84 " x 1.73 "(482mm x 250mm x 44mm)
16.Rack Mount:	1RU High 19 "Rack Mount #1U-440L (with rack mount)
17.Power Supply:	DC12V, 5A, Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
18.Safety Approvals:	CE, FCC, REACH.
19.Product Weight:	3.65 Kgs / 8.03 lb

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