SB-5645

4x4 HDMI **MATRIX** SWITCHER

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE

HDMI MATRIX SWITCHER PRO

Inputs : 4x HDMI (Digital video-TMDS+Digital Audio)
Outputs : 4x HDMI (Digital video-TMDS+Digital Audio)





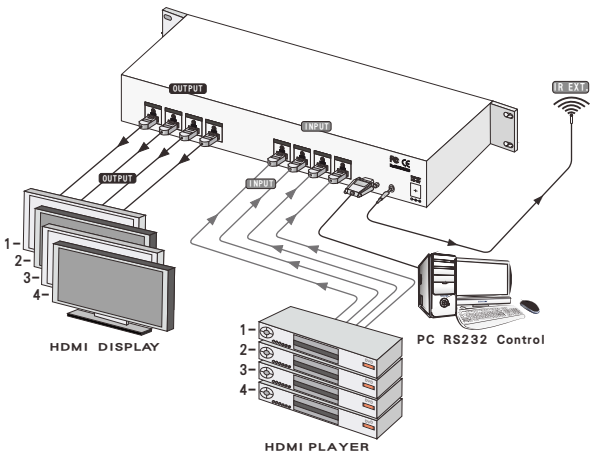
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INTRODUCTION

The SB-5645 is high-performance 4x4 matrix routing switcher for HDMI signals. This switcher supports data rates up to 6.75 Gbps, enabling 1080p HDMI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously.

The Switcher is certified as being fully HDMI and HDCP compliant, with RoHS, CE, FCC certification. Support high resolution HDMI sources routed to HDMI displays, monitors, projector or audio receivers. The EDID can be selected between three (3) different modes. Control is provided via Front panel push buttons, IR remote or via RS-232. An RS232 Windows GUI interface is provided for matrix routing.

SB-5645 HDMI MATRIX SWITCHER 4x4



4X4 HDMI MATRIX SWITCHER

FEATURES

1. Support 4x HDMI digital A/V devices independently switched to 4x HDMI monitors
2. HDMI digital video/audio format, DVI format and HDCP compliant
3. Support HDMI/DVI high definition resolutions 480p, 720p, 1080i/1080p
4. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHZ)
5. Support wide range of PC resolutions from XGA to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
6. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
7. Support Digital Video TMDS formats in Deep Color 12bits
8. Support IR Remote and IR Extender with distance 300M Maximum.
9. Various User Interface control:
   - Attached Window based control software for Desktop or NB control by RS232 port
   - Manual controlled by Front Panel button
   - IR remote control
10. Supports EDID for total control of compliant displays
11. Automatically scanning input status by LED on front pane

SPECIFICATIONS

1. Type of Switcher:	4 in To 4 out, HDMI Matrix Switcher
2. Input Signals:	Video (TMDS) 0.5~1.0Vpp, DDC 5Vpp
3. Signal Supports :	HDMI Standard, DVI and HDCP Compliant
4. Video Supported:	1080p HDMI formats and DVI WUXGA 1920x1200 HD resolutions.
5. Audio Supported:	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
6. Various video input interface supporting digital video standards such as:	
	• RGB/YCBCR : 24/30/36-bits
	• YCBCR : 8/10/12/16/20/24-bits
	• Double data rate interface for RGB/YCBCR : 12/15/18-bits
7. Controls:	IR, IR EXT, Select buttons on the front panel & RS232
8. Data Rates:	250Mbps to 2. 25Gbps.
9. IR Extender Distance:	300 meters maximum.
10.Infrared frequency:	38KHz.
11. Safety Approvals:	CE, FCC, RoHS(2002/95/EC).
12. Dimensions (LWH):	19" x 7.87" x 1.75" (482mm x 200mm x 44mm)
13. Power Supply:	DC12V / 2A (consumption 1.6A Max)
	Use Universal Switch Type 50/60Hz,100~230 VAC
14.Shipping Weight :	2.55 Kgs / 4.41 lb

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