

SB-5669K

16x16 HDMI Matrix Switcher



Input : 16x HDMI
Output : 16x HDMI

PRO MATRIX SWITCHER

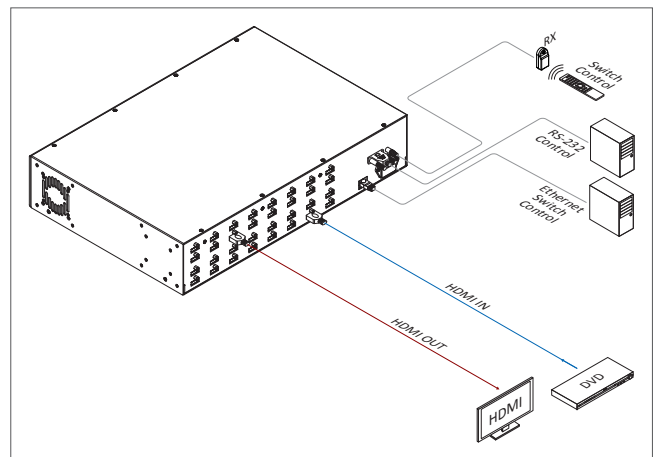


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INTRODUCTION

The SB-5669k is professional 16x16 matrix routing switch. Supporting sixteen (16) HDMI™ Inputs. Output supported (16) HDMI™ ports. The SB-5669k is based on the HDMI™ standard 4K2K and supports full resolution HDMI™ Video with embedded EDID, With a signal bandwidth of 340Mhz, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (16) Inputs to (16) outputs. The Switcher is certified as being fully CEC and HDCP 1.3 compliant, full HD 4K2K HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps. Supports UXGA / WUXGA / DVI 1920x1200 resolution to any HD displays. The SB-5669K has 1x HDMI™ connector for Input, effectively making this an 16 in x16 out switcher. The EDID management can be selected between seven (7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 or TCP/IP (not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL



FEATURES

01. (16)x HDMI source devices matrix switched to (16)x HDMI output destinations
02. HDMI digital Video TMDS with embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
03. Worldwide control EDID modes for HDMI full 4K2K (24/25/30 Hz) HD Video resolutions
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
06. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit
07. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
08. Audio Input : Support HDMI standard multi-channel digital audio
09. Audio Output : Support HDMI standard multi-channel digital audio
10. Various User Interface controls :
 - Windows based GUI control via RS-232 port
 - Front Panel push button
 - IR wireless remote controller
 - Ethernet Switch control
 - Third party RS-232 controller (via simple ASCII)
11. Support world wide (7)x control function keys :
 - Full function front panel controls : ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
12. Supports seven (7) worldwide standard embedded EDID modes
13. Automatic scanning input & output status via LCM show on front panel
14. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
15. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	16x inputs To 16x Outputs HDMI Matrix Switcher
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Input	16x HDMI (HDMI or DVI digital source)
Output	16x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(39) Function Control Keys	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (16), 9.Source button (1) thru (16)
Infrared Frequency	38 KHz
IR External Distance	~984 feet / 300 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 2U High Rack Mount Bracket (2U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 3.46" (442mm x 303mm x 88mm)
Weight	4.7 kg / 10.36 lb
Power Supply	AC 100~240V 50/60Hz