SB-5645CT

4x4 HDMI CAT5e/6 MATRIX SWITCHER

HDBaseT | HDMI | MATRIX | SWITCHER | CAT5e/6

Inputs : 4x HDMI (Digital video+Digital Audio)

Outputs : 4x HDMI (Digital video+Digital Audio) , 4x CAT5e/6 Transmitter, 4x RS232 in/out , 4X IR in (IR To Room) and 4x IR out (IR from Room).



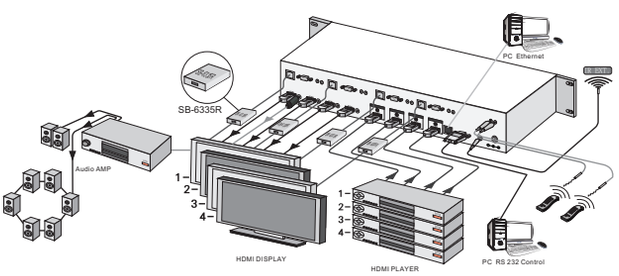


Ear Rack: 1U-440L

INTRODUCTION

The SB-5645CT is high-performance 4x4 matrix routing switcher for HDMI input. HDMI and CAT5e/6 output signals simultaneously. Switcher supports Bandwidth 225MHz, HDMI 1.4a 3D formats, data rates up to 3.2 Gbps, UXGA/WUXGA/DVI resolution to any HD displays. High Definition Digital signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified and fully HDMI and HDCP 2.0 compliant, with CE, FCC certification. Support high resolution HDMI sources routed to HDMI displays, HDMI monitors, HDMI projectors or audio receivers. Support CAT5e/CAT6 and HDMI outputs simultaneously. CAT5e/6 connection on each output extends the HDMI signal to remote room via CAT5e/6 HDMI Receiver SB-6335R. The EDID can be selected between eight (8) different modes via source row. Control is provided via the front panel push buttons, IR remote, IR Ext. or via RS232. A RS232 interface is provided for matrix routing.

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FEATURES

1. (4)x HDMI
   (4)x HDMI and (4)x HDBaseT Transmitter output to (4)x destinations.
2. Application HDBaseT Specification with IR, RS-232, Multi Audio Format and HD Video Signals over one CATx (6/6a/7) category cable.
3. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
4. Worldwide control EDID modes for HDMI full HD Video resolutions.
5. Link speeds of up to 2.25 Gbps (link clock rate of 340MbHz), Support 1.4a 3D formats.
6. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions
7. 480i/480p, 576i/576p, 720p, 1080i/p.
8. Compatible with all HDMI source devices, PC monitors, Plasma HD display, HDTV and audio receivers or audio amplifiers.
9. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit.
10. Digital Audio Support : - Dolby TrueHD,
    - Dolby Digital,
    - Dolby Digital Plug/ex,
    - DTS,
    - DTS-HD,
    - DTS-HD Master,
    - DTS-EX
    - PCM, PCM2, LPCM2..
11. Various User Interface controls:
    - Windows based GUI control via RS232 port
    - Front Panel push button
    - IR wireless remote controller
    - Ethernet Switch control
    - Third party RS232 controller (via simple ASCII)
12. Support world wide eight (8)x control function keys:
13. Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
14. Support EDID modes :
    a. Embedded EDID modes :
       FSS/ H24-3D/ H24-3D-M/ H36-3D/ H36-3D-M/ DVI-D 1280x1024-60Hz / DVI-D 1920x1200-60Hz/ AUTO
    b. External modes : Learning mode.
15. Automatic scanning input & output status via LCM show on front panel.
16. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
17. Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

1.	Type of HDMI Switcher:	4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch
2.	HDMI Support:	HDMI 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats.
3.	HDBaseT Support:	bi-directional IR, RS-232, Multi format Audio over one CATx cable.
4.	HDCP / CEC Support :	HDCP 2.0 Compliant, CEC Compliant.
5.	Video Bandwidth :	Double Data Rates: 340Mhz, Total 2.25Gbps bandwidth.
6.	Digital Video Support :	HD:480i/ 480p/ 720p/ 1080i/p up to 36bit deep color
7.	Video Input :	4x HDMI (HDMI or DVI digital source).
8.	Audio Input :	4x HDMI (To Destination).
9.	Video Output :	4xHDMI , 4x HDBaseT Transmitter with via category cable & RJ-45 connector
10.	Audio Output :	4x HDMI : Multi Audio Formats 5.1 / 7.1, MAT(MLP), Dolby Digital, Dolby TrueHD, Dolby Digital Plus, DTS, DTS-ES 6CH, DTS-HD, DTS-HD-HRA, DTS-HD Master, (PCM-2CH)
11.	HDBaseT Control In:	4x IR in(Send IR signals To 4x Rooms via HDBaseT Transmitter) 1x ALL IR in (Send IR Signals To 4x Rooms - Via HDBaseT Transmitter)
12.	HDBaseT Control Out :	4x IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender) 1x ALL IR out (Link to Receive IR signals from 4x Rooms via HDBaseT Extender)
13.	HDBaseT Control I/O:	4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
14.	Switch Controls :	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 4x IR Room Remote Controller (switch control) 1x IR External port (switch control via 3.5mm OD Jack) 1x RS 232 series interface (switch control)
15.	Source Status :	Input status LEDs indicates presence of a live signal.
16.	(17) Function Control Keys:	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8. Destination button (1) thru (4), 11. Source button (1) thru (4),
17.	(8) EDID management :	- 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 - Select LEARNING mode : Learning Destination EDID To Link Source.
18.	Infrared Frequency :	38 Khz
19.	IR External Distance :	~984 feet / 300 meters maximum.
20.	HDBaseT Extender Distance:	~328 feet / 100 meters maximum.
21.	HDMI I/O Connector :	HDMI Type A - SMD 19pin Female Type
22.	Temperature :	Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
23.	Dimensions :	LxWxH = 19 "x 9.85 " x 1.73 "(482mm x 250mm x 44mm)
24.	Rack Mount :	1RU High 19 "Rack Mount #1U-440L (with rack mount)
25.	Power Supply :	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
26.	Safety Approvals :	CE, FCC, REACH.
27.	Product Weight :	3.75 Kgs / 6.25 lb

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