SB-5688CT

8x8 HDMI CAT5e/6 MATRIX SWITCHER

HDBaseT | HDMI | MATRIX | SWITCHER | CAT5e/6

Inputs : 8x HDMI (Digital video+Digital Audio)

Outputs : 8x HDMI (Digital video+Digital Audio) , 8x CAT5e/6 Transmitter, 8x RS232 in/out , 8X IR in (IR To Room).



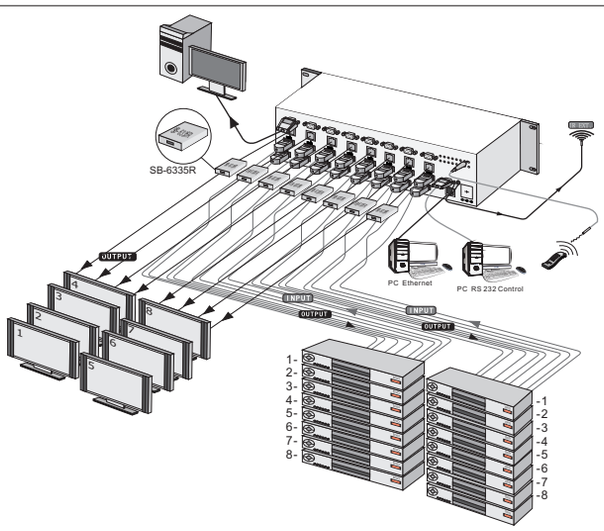


Ear Rack: 2U-440L

INTRODUCTION

The SB-5688CT is high-performance 8x8 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 8 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 HDMIoutputs simultaneously. 1 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 or via RS232. A RS232 Windows GUI interface is provided for matrix routing.

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FEATURES

1. (8)x HDMI player devices matrix switched to (8)x HDMI and (8)x HDBaseT Transmitter to (8)x destinations.
2. Application HDBaseT Specification with PoE, 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 HDMI 1080P, 1.4a 3D formats.
6. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI resolutions 480i/480p, 576i/576p, 720p, 1080i/p.
7. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit.
8. Digital Audio Support : - Dolby TrueHD,
   - Dolby Digital,
   - Dolby Digital Plug/ex,
   - DTS,
   - DTS-HD,
   - DTS-HD Master,
   - DTS-EX,
   - PCM, PCM2, LPCM2..
9. Audio Input : Support Standard HDMI Multi-channel Audio (Digital audio).
10. Audio Output : Support Standard HDMI Multi-channel Audio (Digital audio).
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 Seven (7) worldwide control function keys:
    Full function front panel controls: ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
13. Support Eight (8) worldwide standard Embedded 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.
14. Automatic scanning input & output status via LCM show on front panel.
15. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum.
16. Support Universal power adaptor AC100V~240V, 50/60Hz.

SPECIFICATIONS

1.	Type of HDMI Switcher :	8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
2.	HDMI Support:	HDMI 4K2K, 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 :	8x HDMI (HDMI or DVI digital source).
8.	Video Output :	8x HDMI (To Destination).
9.	Audio Output :	8x 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)
10.	HDBaseT Control in:	8x IR in (Send IR signals To 8x Rooms via HDBaseT Transmitter) 1x ALL IR in (Send IR Signals To 8x Rooms - Via HDBaseT Transmitter)
11.	HDBaseT Control out :	8x IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender) 1x ALL IR out (Link to Receive IR signals from 8x Rooms via HDBaseT Extender)
12.	HDBaseT Control I/O:	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
13.	Switch Controls:	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 8x IR Room 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)
14.	Source Status:	Input status LEDs indicates presence of a live signal.
15.	(23) Function Control Keys:	1.ALL, 2.OFF, 3.RECALL, 4.ENTER, 5.MEMORY, 6.LOCK, 7.EDID, 8.Destination button (1) thru (8), 9.Source button (1) thru (8).
16.	(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.
17.	Infrared Frequency:	38 Khz
18.	IR External Distance:	~984 feet / 300 meters maximum.
19.	HDBaseT Extend Distance:	~328 feet / 100 meters maximum.
20.	HDMI I/O Connector:	HDMI Type A - SMD 19pin Female Type
21.	Temperature:	Operating Temperature 32 °F - 100 °F (0 °C - 32 °C)
22.	Dimensions:	LxWxH=19 "x 9.85 " x 3.46 "(482mm x 250mm x 88mm)
23.	Rack Mount:	2RU High 19 "Rack Mount #2U-440L (with rack mount)
24.	Power Supply:	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
25.	Safety Approvals:	CE, FCC, REACH.
26.	Product Weight:	3.75 Kgs / 6.25 lb

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