SB-5645CT

4x4 HDMI HDBaseT Matrix Switcher

HDMI™ HDBT™

Input   : 4x HDMI
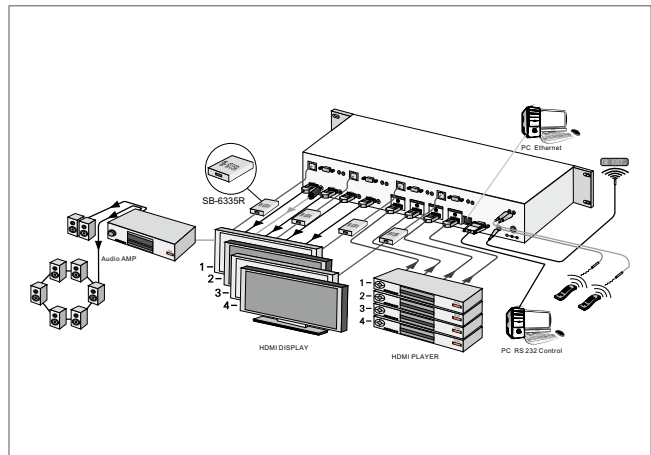Output : 4x HDMI, 4x HDBaseT

CAT5e/6 MATRIX SWITCHER

03

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 2.25 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 1.3 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 RS-232. A RS-232 interface is provided for matrix routing.

DIAGRAM TYPICAL

FEATURES

01. Support 4x HDMI digital source devices Matrix to 4x HDMI and 4x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 2.25 Gbps (link clock rate of 225MbHz), Support 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
06. Digital Video TMDS formats Resolution up to 1080p 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. 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)
09. Support world wide eight seven (7)x control function keys :
    Full function front panel controls : ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
10. Supports seven (7) worldwide standard embedded EDID modes
11. Automatic scanning input & output status via LCM show on front panel
12. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
13. Support Universal power adaptor AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Switcher	4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 225Mhz, Total 2.25Gbps bandwidth
Video Input	4x HDMI (HDMI or DVI digital source)
Audio Input	4x HDMI (To Destination)
Video Output	4x HDMI, 4x HDBaseT Transmitter with via category cable & RJ-45 connector
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)
HDBaseT Control In	4x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control Out	4x IR out, 1x ALL, IR, out (Send IR Signals from Room)
HDBaseT Control I/O	4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
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)
Source Status	Input status LEDs indicates presence of a live signal
(15) 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)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 1.73" (482mm x 250mm x 44mm)
Rack Mount	1RU High 19 "Rack Mount #1U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	3.75 Kg / 6.25 lb

SHINYBOW™

SB-5688CT
8x8 HDMI HDBaseT Matrix Switcher

HDMI™ HDBT™

Input : 8x HDMI
Output : 8x HDMI, 8x HDBaseT
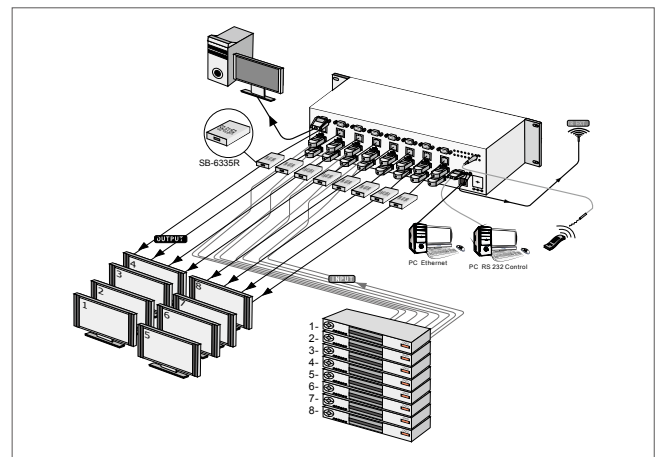
CAT5e/6 | MATRIX | SWITCHER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5688CT is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs, (8)HDMI™ outputs and (8)HDBaseT™ Transmitter. High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.3 and HDCP 1.3 compliant, data rate up to 2.25Gbps with signal bandwidth 225MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 1080p. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL

FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 2.25 Gbps (link clock rate of 340MBHz), Support HDMI 1080P, 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
06. Digital Video TMDS formats Resolution up to 1080p 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 Standard HDMI Multi-channel Audio (Digital audio)
09. Audio Output : Support Standard HDMI Multi-channel Audio (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 Seven (7) worldwide 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	8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
HDMI Support	HDMI 1080P-60Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 225Mhz, Total 2.25Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Video Output	8x HDMI (To Destination)
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)
HDBaseT Control in	8x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control out	8x IR out, 1x ALL, IR, out (Send IR Signals from Room)
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
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)
Source Status	Input status LEDs indicates presence of a live signal
(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)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
Rack Mount	2RU High 19 "Rack Mount #2U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	3.75 Kg / 6.25 lb

SB-5688CK/SB-5688CKP
8x8 HDMI HDBaseT Matrix Switcher (PoH)

Input : 8x HDMI
Output : 8x HDMI, 8x HDBaseT (PoH)
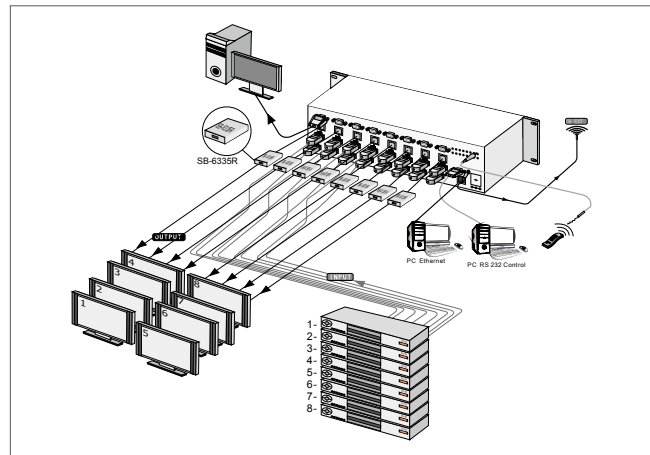
PRO   MATRIX   SWITCHER

Ear Rack : 2U-440L

INTRODUCTION

The SB-5688CK/SB-5688CKP is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs, (8)HDMI™ outputs and (8)HDBaseT™ Transmitter with POH outputs(SB-5688CKP only). High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL

FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), Support HDMI 4K2K, 1.4a 3D formats
05. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/ DTV HDMI resolutions
06. 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz)
07. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit.
08. Digital Audio Support : Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2
09. 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 RS-232 port
    • Front Panel push button
    • IR wireless remote controller
    • Ethernet Switch control
    • Third party RS-232 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. Supports seven (7) worldwide standard embedded EDID modes
14. Automatic scanning input & output status via LCM show on front panel
15. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
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

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI-HDBaseT Matrix Switch
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio over one CATx cable
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Video Output	8x HDMI (To Destination)
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)
HDBaseT Control in	8x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control out	8x IR out, 1x ALL, IR, out (Send IR Signals from Room)
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
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)
Source Status	Input status LEDs indicates presence of a live signal
(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)
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
Rack Mount	2RU High 19" Rack Mount #2U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	3.75 Kg / 6.25 lb

SHINYBOW™

SB-5669CK/SB-5669CKP
16x16 HDMI HDBaseT Matrix Switch (PoH)

HDMI™ | HDBT | 4K|2K CAPABLE | PoH Power Over HDBaseT

Input   : 16x HDMI
Output : 16x HDMI, 16x HDBaseT (PoH)

PRO MATRIX SWITCHER
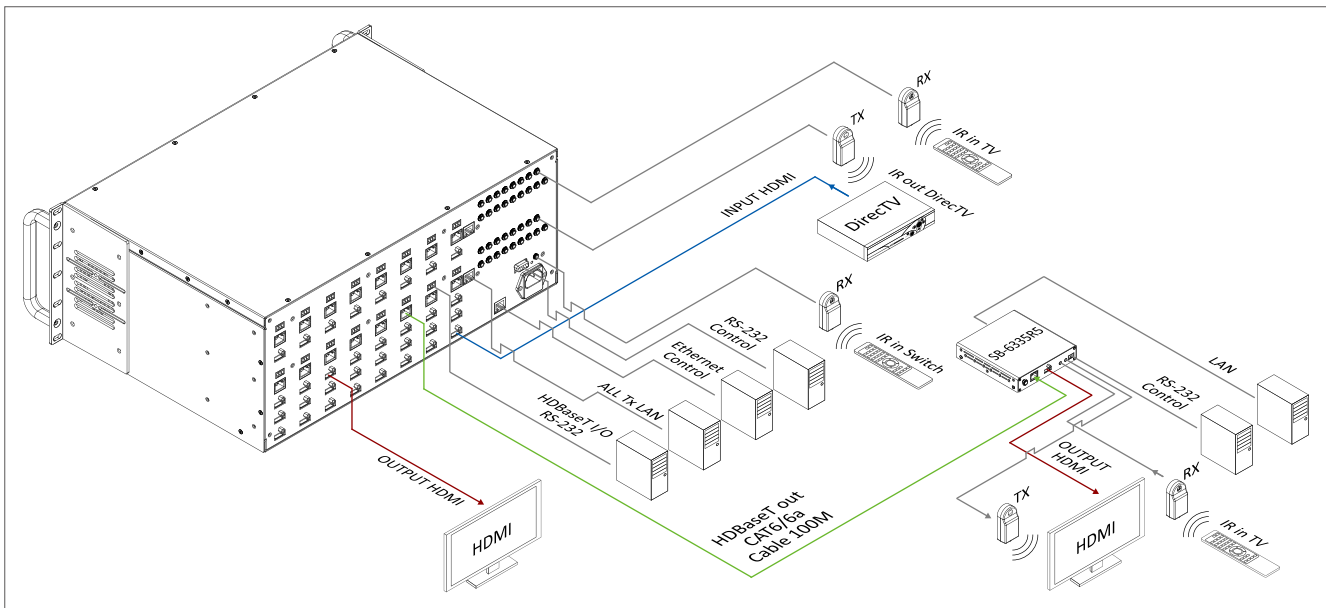

Ear Rack : 4U-440L

INTRODUCTION

The SB-5669CK/SB-5669CKP is a professional 16x16 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (16)HDMI™ inputs, (16)HDMI™ outputs and (16)HDBaseT™ Transmitter with PoH (SB-5669CKP only). High definition digital signals can be selected and distributed to any (16)inputs to (32)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

FEATURES

01. (16)x HDMI player devices matrix switched to (16)x HDMI and (16)x HDBaseT Transmitter(PoE) output to (32)x destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.0 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), 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 Standard HDMI Multi-Channel Audio (Digital audio)
09. Audio Output : Support Standard HDMI Multi-Channel Audio (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. Using the build-in booster, each HDMI Output port is capable of driving cable lengths
15. 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
16. Support IR Remote and IR Extender with distance up to ~ 984 feet (300M) Maximum
17. Support Universal power adaptor AC100V~240V, 50/60Hz

DIAGRAM TYPICAL

SPECIFICATIONS

Type of HDMI Switcher	16x inputs To 16x Outputs HDMI over HDBaseT Matrix Switch
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable
PoH Support	HDBaseT Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	16x HDMI (HDMI or DVI digital source)
Video Output	16x HDMI (To Destination)
Audio Output	16x 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)
HDBaseT Control in	16x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control out	16x IR out, 1x ALL, IR, out (Send IR Signals from Room), 2x LAN
HDBaseT Control I/O	16x RS-232 I/O (Control 16x Rooms RS-232 via Switcher HDBaseT Extender Tx)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 16x 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)
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
HDMI Booster	1080p up to ~98feet(30M) & 4K2K up to ~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 6.92" (482mm x 250mm x 88mm)
Rack Mount	4RU High 19" Rack Mount #4U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	6.35 Kg / 10.585 lb

SHINYBOW™

SB-5645CAK/SB-5645CAP
4x4 HDMI HDBaseT Matrix Switch w/ Auxiliary Audio (PoH)

HDMI™ HIGH-DEFINITION MULTIMEDIA INTERFACE   HDBT HDBaseT™   4K2K CAPABLE   PoH Power Over HDBaseT

Input   : 4x HDMI, 4x Auxiliary Audio
Output : 4x HDMI, 4x S/PDIF or ARC, 4x HDBaseT (PoH)

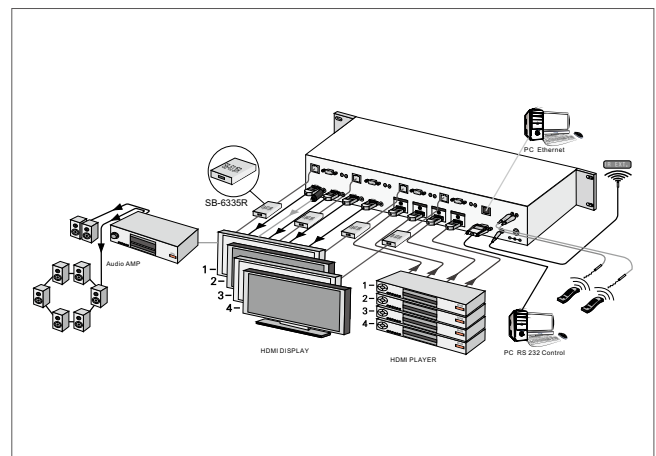PRO | MATRIX | SWITCHER
S/PDIF | ARC | AUXILIARY

Ear Rack : 1U-440L

03

INTRODUCTION

The SB-5645CAK/SB-5645CAP is a professional 4x4 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (4)HDMI™ inputs and (4) Auxiliary Audio inputs. Output supported (4)HDMI™ outputs, (4)S/PDIF Audio and and (4) HDBaseT™ Transmitter with POH outputs(SB-5645CAP only). High definition digital signals can be selected and distributed to any (4)inputs to (8)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL

FEATURES

01. Support 4x HDMI digital source devices Matrix to 4x HDMI and 4x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 1.3 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), 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 Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary 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 (9)x control function keys :
    Full function front panel controls :
    ARC / AUX / 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. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
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

Type of HDMI Switcher	4x inputs To 4x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, LAN and PoH. over one CATx cable
PoE Support	HDBaseT Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	4x HDMI (HDMI or DVI digital source)
Audio Input	4x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	4x HDMI (To Destination) 4x HDBaseT Transmitter with via category cable & RJ-45 connector
Audio Output	4x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 4x ARC : TV Return Channel Audio 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)
HDBaseT Control In	4x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control Out	4x IR out, 1x ALL, IR, out (Send IR Signals from Room), 1x LAN
HDBaseT Control I/O	4x RS-232 I/O (Control 4x Rooms RS-232 via Switcher HDBaseT Extender Tx)
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) 1x Ethernet series interface (switch control)
Source Status	Input status LEDs indicates presence of a live signal
(17) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10.Destination button (1) thru (4), 11.Source button (1) thru (4)
Infrared Frequency	38 Khz
HDMI Booster	1080p up to~98feet(30M) & 4K2K up to~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extender Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 1.73" (482mm x 250mm x 44mm)
Rack Mount	1RU High 19" Rack Mount #1U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	2.55 Kg / 5.61 lb

SB-5688CAK/SB-5688CAP

HDMI HIGH-DEFINITION MULTIMEDIA INTERFACE   HDBT™   4K 2K CAPABLE   PoH Power Over HDBaseT

8x8 HDMI HDBaseT Matrix Switch w/ Auxiliary Audio (PoH)

Input : 8x HDMI, 8x Auxiliary Audio
Output : 8x HDMI, 8x S/PDIF or ARC, 8x HDBaseT (PoH)

PRO | MATRIX | SWITCHER
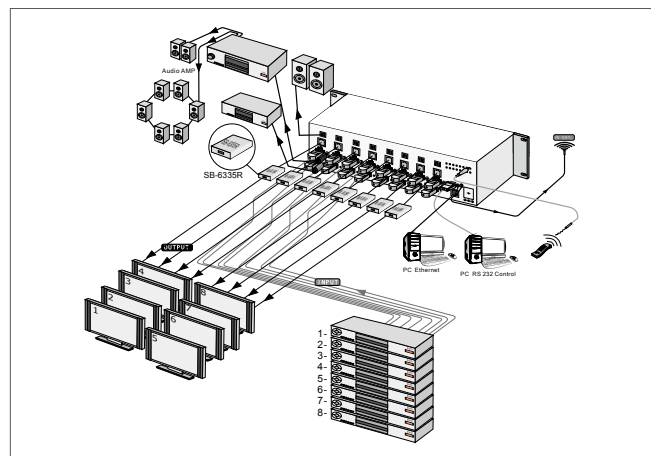S/PDIF | ARC | AUXILIARY

Ear Rack : 2U-440L

03

INTRODUCTION

The SB-5688CAK/SB-5688CAP is a professional 8x8 HDMI™ over HDBaseT™ Matrix Routing Switcher. Supporting (8)HDMI™ inputs and (8) Auxiliary Audio inputs. Output supported (8)HDMI™ outputs, (8)S/PDIF Audio and and (8) HDBaseT™ Transmitter with POH outputs(SB-5688CAP only). High definition digital signals can be selected and distributed to any (8)inputs to (16)outputs simultaneously(channel outputs mirrored). It is based on HDBaseT™ Standard and transmit HDMI™, Bidirectional IR and RS-232 and Ethernet signal up to 100M over a single CATx cable. The switcher is supported HDMI™ 1.4a 3D formats and HDCP 1.3 compliant, data rate up to 6.75Gbps with signal bandwidth 340MHz. Supports wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolution up to 4K2K 30Hz. The EDID management can be selected between seven(7) different modes. Control is provided via Front panel push buttons, IR remote, RS-232 pr TCP/IP(not a web-browser). An RS-232 Windows GUI interface is provided for matrix routing control(Windows only).

DIAGRAM TYPICAL

FEATURES

01. Support 8x HDMI digital source devices Matrix to 8x HDMI and 8x HDBaseT destinations
02. Transmit HDMI, Bidirectional IR and RS-232 and Ethernet signals via single CATx cable
03. HDMI digital Video w/embedded HDCP, DVI format and CEC/HDCP 2.2 compliant
04. Link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), 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 Auxiliary Audio (Analog stereo audio)
09. Audio Output : Support Digital audio ARC or Digital audio S/PDIF (from HDMI source or Auxiliary 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 (9)x control function keys :
    Full function front panel controls :
    ARC / AUX/ 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. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
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

Type of HDMI Switcher	8x inputs To 8x Outputs HDMI over HDBaseT Matrix Switch with Audio and Extension
HDMI Support	HDMI 1080P, 4K2K-30Hz, 36-bit Deep color, HDMI V1.4a 3D formats
HDBaseT Support	bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE. over one CATx cable
PoH Support	HDBASET Transmitter Power 48VDC Over category cable PoH supported
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Video Input	8x HDMI (HDMI or DVI digital source)
Audio Input	8x Audio (Analog Stereo, AUX port. 3.5mm Jack)
Video Output	8x HDMI (To Destination) 8x HDBaseT Transmitter with PoH via category cable & RJ-45 connector)
Audio Output	8x S/PDIF : Multi Audio Formats 5.1 from HDMI or LPCM-2CH from Auxiliary audio 8x ARC : TV Return Channel Audio 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)
HDBaseT Control In	8x IR in, 1x ALL, IR, in (Send IR Signals to Room)
HDBaseT Control Out	8x IR out, 1x ALL, IR, out (Send IR Signals from Room), 1x LAN
HDBaseT Control I/O	8x RS-232 I/O (Control 8x Rooms RS-232 via Switcher HDBaseT Extender Tx)
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)
Source Status	Input status LEDs indicates presence of a live signal
(25) Function Control Keys	1.ARC, 2.AUX, 3.ALL, 4.OFF, 5.RECALL, 6.ENTER, 7.MEMORY, 8.LOCK, 9.EDID, 10.Destination button (1) thru (8), 11.Source button (1) thru (8)
Infrared Frequency	38 Khz
HDMI Booster	1080p up to ~98feet(30M) & 4K2K up to ~66feet(20M)
IR External Distance	~984 feet / 300 meters maximum
HDBaseT Extend Distance	~328 feet / 100 meters maximum
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
Rack Mount	2RU High 19" Rack Mount #2U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:10A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	3.75 Kg / 6.25 lb

SHINYBOW™

SB-5800
36x36 Modular Matrix Switcher

Input   : 8x Modular (4x Ports Input Type)
Output : 8x Modular (4x Ports Output Type)

Ear Rack :
9U-440L

INTRODUCTION

The SB-5800 is professional 36x36 matrix routing switch with Scaler. Supporting (36)in to (36) out with (4) ports in one modular. Support 4x HDMI™+Audio, 4x DVI+Audio, 4x HDBaseT™, 4x CV/Comp./VGA+Audio, 4x SDI, 4x Coax(DTV) output, 4xIP(0utput) and 4x Fiber(output). SB-5800 is based on the HDMI™ standard and supports full HDMI™ Video resolution with (7) embedded EDID and HDBaseT™ support PoH function(output), Audio, RS-232, Ethernet and bi-directional IR, all over a single CATx category cable. Signal bandwidth 340Mhz (4K2K) 30FPS, there is no signal degradation. High Definition Digital signals can be selected and distributed to any (36) Inputs to (36) outputs simultaneously. The switcher is certified as being fully CEC , ARC and HDCP 1.3 compliant. Support full HD HDMI™ V1.4a 3D formats, data rates up to 6.75 Gbps 4K2K (30fps). Supports UXGA/WUXGA/DVI 1920x1200 resolution to any HD displays. SB-5800 support has Auxiliary Audio, ARC control, and S/PDIF output. Also support two redundant power, one is for standard input/output usage and another is for full POH outputs support. The EDID management can be selected between seven (7) different modes. Controls are 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).
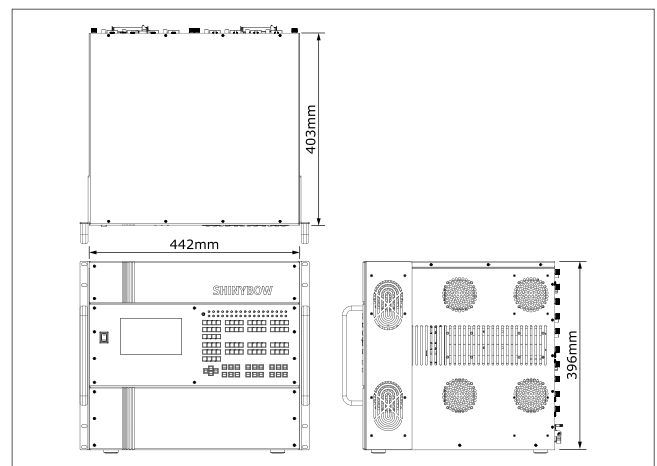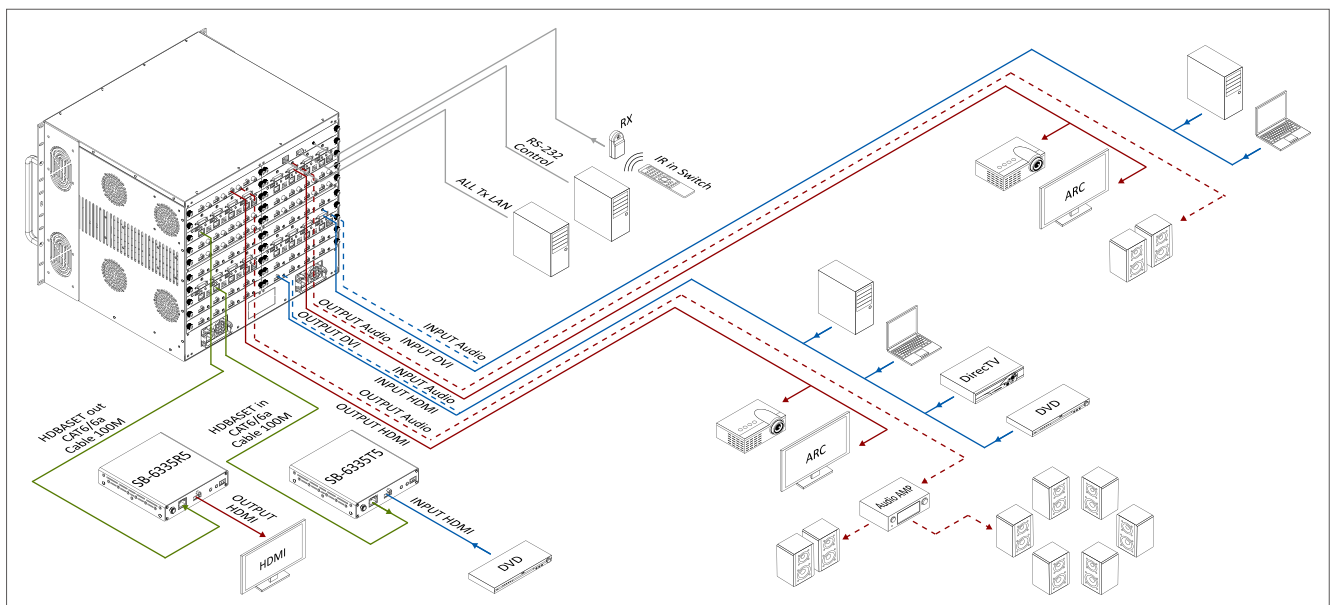
SIZE

403mm

442mm

396mm

DIAGRAM TYPICAL

FEATURES

01. (36) source devices matrix switched to (36)x destination display devices
02. Support (4) ports input and output in one modular. Application 4x HDMI+Audio, 4x DVI+Audio, 4x HDBASET, 4x Composite Video-Component Video/VGA+Audio, 4x SDI, 4x Coax(DTV) output, 4xIP(output) and 4x Fiber
03. Switcher link speeds of up to 6.75 Gbps (link clock rate of 340MbHz), 4K2K (30Hz) 30fps
04. HDBaseT support Transmitter/Receiver, Multi Audio Format and HD Video/ Audio 4K2K Signals, HDBaseT over one CATx (6/6a/7) category cable
05. 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)
06. Support world wide (7) control function keys :
07. Full function front panel controls:
    ALL / OFF / EDID / LOCK / RECALL / MEMORY / ENTER
08. Support EDID modes :
    a. Embedded EDID modes :
       FSS / H24-3D / H24-3D-M / H36-3D / H36-3D-M / 4K2K-3D / DVI-D 1920x1200-60Hz
    b. External modes : Learning mode-1 & Learning mode-2
09. Automatic scanning input & output status via LCM show on front panel
10. Using the build-in booster, each HDMI Output port is capable of driving cable lengths 1080p up to 98 feet (30M) & 4K2K up to 66 feet (20M)
11. Support switch IR Remote Extender with distance up to ~ 984 feet (300M) Maximum. Support two redundant powers
12. Support universal power AC100V~240V, 50/60Hz in reserve

CONSOLE INFORMATION

Switcher	Standard 19 inch Rack Mount (482mm)
high : (H)	H=9U (396mm) high
wide : (W)	W=17.4 inch (442mm)
Depth : (D)	D=15.87 inch (403mm)
Ear Rack Mount	H=9U (396mm) high, W=3.86 inch (98mm)
Input Modualr support	Total 9x Moldulars
HDMI+Audio	4x HDMI+Audio
HDBaseT	4x HDBaseT
DVI+Audio	4x DVI+Audio
Video/Component/VGA/Audio	4x Video/Component/VGA+Audio
SDI	4x SDI
Fiber	4x Fiber
Over IP extender	4x Over IP extender
DTV channel Mixer Over Coax	4x DTV channel Mixer Over Coax
Output Modualr support	Total 9x Moldulars
HDMI+Audio	4x HDMI+Audio
HDBaseT	4x HDBaseT
DVI+Audio	4x DVI+Audio
Video/Component/VGA/Audio	4x Video/Component/VGA+Audio
SDI	4x SDI
Fiber	4x Fiber
Over IP extender	4x Over IP extender
DTV channel Mixer Over Coax	4x DTV channel Mixer Over Coax
Switch control moduar	1x Switch control modular
Power support	2x Power modular

SPECIFICATIONS

Type of Switcher	(36)x inputs To (36)x Outputs Matrix Switch with (4) ports per one Modular
Video Bandwidth	Double Data Rates : 340Mhz, 6.75Gbps bandwidth
HDMI Support	HDMI 4K2K(24/30Hz), 1080P-@60Hz, 3D of HDMI V1.4 formats. HD : 480i / 480p / 720p / 1080i/p and 4K2K (3860x2160) up to 36bit deep color. HDCP 1.3 Compliant, CEC Compliant
DVI Support	DVI digital Video with DVI format. Wide range of HD resolutions from PC XGA to WUXGA 1920x1200. Digital Video TMDS formats. Support stereo audio
HDBaseT Support	HDBaseT bi-directional IR, RS-232, Multi format Audio, Ethernet and PoE(Tx). over one CATx category cable
Video Input	36 inputs with 4 ports multi format modular cards
Video Output	36 outputs with 4 ports multi format modular cards
Audio Output	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)
HDBaseT Control in	36x IR in (Send IR signals To 16x Rooms via HDBaseT Transmitter)
HDBaseT Control out	36x IR out (Link to Receive IR signals from 36x Rooms via HDBaseT Extender)
HDBaseT Controls	36x RS-232 I/O (Control 36x Rooms RS-232 via Switcher HDBaseT Extender Tx) Maximun 9x LAN (Switch1-4, 5-8, 9-12, 13-16, 17-20, 21-24, 25-28, 29-32 & 33~36 output port HDBaseT Transmitter Ethernet link to HDBaseT Receivers)
Switch Controls	1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 36x 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)
Source Status	Input status LEDs indicates presence of a live signal
Function Keys	ALL, OFF, RECALL, ENTER, MEMORY, LOCK, EDID, AUX, ARC, MENU, HDBT, PiP/PoP, SW, VM, CH SELECT, RESOLUTION, RESET, ZOOM, TV SYS, IP CH, UP, DOWN, RIGHT, LIFT, Destination button (1) thru (36), Source button (1) thru (36)
EDID management	Select Embedded EDID modes : Fast Speed Start®, H24-3D, H24-3D-M, H36-3D, H36-3D-M, 4K2K-3D, PCM-2CH, DVI-D 1920x1200-60Hz Select Single Learning mode-1 or Multiple Learning mode-2 Learning Destination EDID To Link Source
Learning Mode	Learning Destination EDID To Link Source
Infrared Frequency	38 Khz
HDMI Booster	1080p up to~98feet (30M) & 4K2K up to~66feet (20M)
IR Distance	~984 feet / 300 meters maximum
HDBT Distance	~328 feet / 100 meters maximum
HDMI I/O	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Dimension (WxDxH)	17.4" x 15.87" x 15.59" (442mm x 403mm x 396mm)
Rack Mount	9RU High 19" Rack Mount # 9U-440L (with rack mount)
Power Supply	AC 100~240 VAC 50/60Hz (Power Consumption:20A Maximum)
Safety Approvals	CE, FCC, REACH
Weight	45 Kg / 99.45 lb

SHINYBOW™

R-4HDMI-A
(4)x HDMI inputs modular specification :

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). Support HDMI™ 1.4a 3D formats, CEC/HDCP 1.3 compliant. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Supports

HDMI Digital Audio input Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Analog Auxiliary Audio In Support :
Standard Steroeo Audio (Digital audio)

R-4HDBT
(4)x HDMI inputs modular specification :

HDBaseT™ w/embedded HDMI™ 4K2K, 1.4a 3D formats. HDCP, DVI format and CEC/HDCP 1.3 compliant. Wide range of HD resolutions from HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Extend HDMI™ signal up to 330ft(100M)

HDBaseT Digital Audio input Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Controls Support :
IR (in/out), RS-232 (i/o) and LAN (i/o)

R-4DVI-A
(4)x DVI with Audio inputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit

DVI Audio input Support :
Standard Steroeo Audio (PCM-2CH)

MODULAR TYPE (OUTPUT)

T-4HDMI-A
(4)x HDMI outputs modular specification :

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). Support HDMI™ 1.4a 3D formats, CEC/HDCP 1.3 compliant. Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. S/PDIF support digital audio output or ARC(Audio Return Channel) output. Cable length is 1080p 30M and 4K2K 20M

HDMI Digital Audio output Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

S/PDIF Support :
Standard HDMI Dolby Digital 5.1 (Digital audio PCM, PCM2, LPCM2)

03

T-4HDBT
(4)x HDMI outputs modular specification :

HDBaseT™ w/embedded HDMI™ 4K2K, 1.4a 3D formats. HDCP, DVI format and CEC/HDCP 1.3 compliant. Wide range of HD resolutions from HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p & 4K2K (24/30Hz). Digital Video TMDS formats Resolution up to 4K2K with Deep color 36-bit. Transmitter (Tx) support POE (48V). Extend HDMI™ signal up to 330ft(100M)

HDBaseT Digital Audio output Support :
Dolby TrueHD, Dolby Digital, Dolby Digital Plug/ex, DTS, DTS-HD, DTS-HD Master, DTS-EX, PCM, PCM2, LPCM2

Controls Support :
IR (in/out), RS-232 (i/o) and LAN (i/o)

T-4DVI-A
(4)x DVI with Audio outputs modular specification :

Wide range of HD resolutions from PC XGA to WUXGA 1920x1200 and HDTV/DTV HDMI™ resolutions 480i/480p, 576i/576p, 720p, 1080i/p. Digital Video TMDS formats Resolution up to 1080p with Deep color 36-bit

DVI Audio output Support :
Standard Stereo Audio (PCM-2CH)

SHINYBOW™

SB-5652
1x2 HDMI Distribution Amplifier

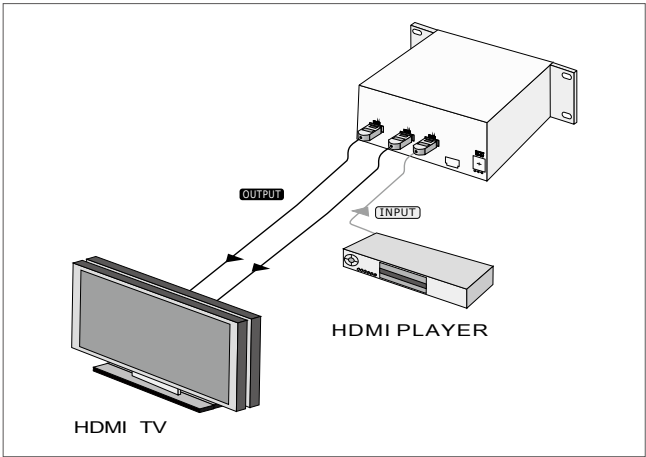Input   : 1x HDMI
Output : 2x HDMI

`Distributor`

03

INTRODUCTION

The SB-5652 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 2 outputs, the distributor supports data rates up to 2.25 Gbps and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 2 outputs. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL

OUTPUT

INPUT

HDMI PLAYER

HDMI TV

FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 2x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. HDTV compatible and HDCP compliant

SPECIFICATIONS

Type of Amplifier	1x2 HDMI Distribution Amplifier
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1920x1200 resolution
Data Rates	250Mbps to 2.25 Gbps
Pixel clocks	25MHz to 225MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Safety Approval	CE, FCC
Dimension (WxDxH)	4.45" x 5.67" x 1.15" (112.9mm x 144mm x 29.1mm)
Power Supply input	DC 12V / 0.42A
Weight	0.42 Kg / 0.93 lb

SB-5652K

1x2 HDMI Distribution Amplifier w/ Scaler

HDMI™ 4K|2K CAPABLE

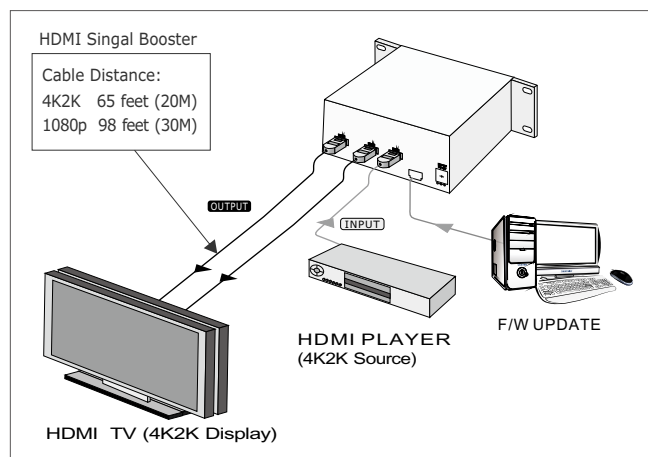Input   : 1x HDMI
Output : 2x HDMI

PRO | EDID | SCALER | BOOSTER

Ear Rack :
#WM-1INCH-130MM

INTRODUCTION

The SB-5652K is professional 1x2 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, two (2) HDMI™ outputs. The SB-5652K 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 distributed to (1) Input to (2) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 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-5652K has 1x HDMI™ connector for Input, effectively making this an (1) in x(2) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons.

DIAGRAM TYPICAL

HDMI Singal Booster

Cable Distance:
4K2K   65 feet (20M)
1080p 98 feet (30M)

OUTPUT

INPUT

F/W UPDATE

HDMI PLAYER
(4K2K Source)

HDMI TV (4K2K Display)

FEATURES

01. (1)x HDMI 4K2K source device distributed to (2)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/ HDCP 1.4 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 340MbHz), 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. EDID supports : Embedded EDID modes
    • Mode (1) : 1080p - 2CH
    • Mode (2) : 1080p - Bitstream
    • Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    • Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    • Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. Various User Interface controls: Front Panel push button
12. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
13. Support Universal power adaptor Power input AC90V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 2x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	2x 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)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler down : 1080p-24Hz 2. Scaler up : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Wall Mount	1 inch High Wall Mount pairs (P/N: WM-1INCH-80mm)
Dimension (WxDxH)	5.00" x 3.14" x 1.00" (127mm x 80mm x 25mm)
Power Supply	DC12V, 1A, Powr Input : AC 100~240 VAC 50/60Hz (universal Type Supply)
Safety Approvals	CE, FCC, REACH
Weight	1.85 Kg / 3.08 lb

SHINYBOW™

SB-5654
1x4 HDMI Distribution Amplifier

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE
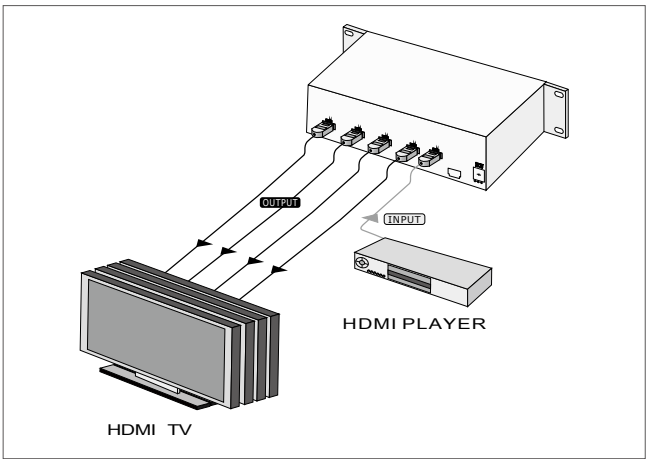
Input   : 1x HDMI
Output : 4x HDMI

Ear Rack : 1U-300L

03

INTRODUCTION

The SB-5654 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 4 outputs, the distributor supports data rates up to 2.25 Gbps. and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 4 outputs. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL

FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 4x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support desktop with ear rackmount and 19 inch rack mountable type panel

SPECIFICATIONS

Type of Amplifier	1x4 HDMI Distribution Amplifier
Input Signal	Video (TMDS) 0.5~1.0Vpp
Signal Support	HDMI Standard, DVI and HDCP Compliant
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Control	IR
Data Rates	250Mbps to 2.25Gbps
Audio Support	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
Infrared frequency	38KHz
Safety Approval	CE, FCC
Dimension (LWH)	11.97" x 6.06" x 1.75" (304mm x 154mm x 44mm)
Power Supply	DC 12V /1.25A Max Use Universal Switch Type 50/60Hz, 100~240VAC
Weight	1.4 Kg / 3.09 lb

SB-5654K
1x4 HDMI Distribution Amplifier w/ Scaler

Input : 1x HDMI
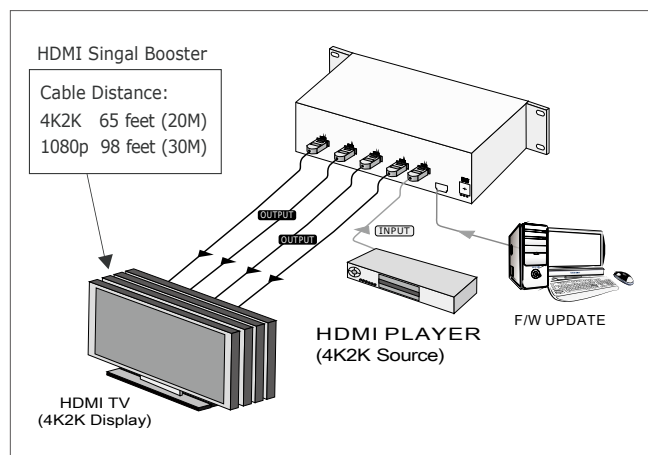Output : 4x HDMI

HDMI™   4K|2K CAPABLE

PRO | EDID | SCALER | BOOSTER

INTRODUCTION

The SB-5654K is professional 1x4 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, four (4) HDMI™ outputs. The SB-5654K 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 distributed to (1) Input to (4) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 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-5654K has 1x HDMI™ connector for input, effectively making this an (1) in x(4) out distributor. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL

HDMI Singal Booster

Cable Distance:
4K2K   65 feet (20M)
1080p   98 feet (30M)

OUTPUT
OUTPUT
INPUT

HDMI PLAYER
(4K2K Source)

F/W UPDATE

HDMI TV
(4K2K Display)

FEATURES

01. (1)x HDMI 4K2K source device distributed to (4)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/HDCP 1.4 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 340MbHz), 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. EDID supports : Embedded EDID modes
    • Mode (1) : 1080p - 2CH
    • Mode (2) : 1080p - Bitstream
    • Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    • Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    • Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio.
10. Audio Output : Support HDMI standard multi-channel digital audio.
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M).
12. Various User Interface controls: Front Panel push button, IR remote control
13. Support Universal power adaptor Power input AC100V~AC240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 4x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	4x 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)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler down : 1080p-24Hz 2. Scaler up : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Wall Mount	P/N: WM-1INCH-80mm
Dimension (WxDxH)	8.27" x 4.45" x 1.06" (210mm x 113mm x 27mm)
Power Supply	DC 50/60Hz (universal Type Supply)
Safety Approvals	FCC, REACH
Weight	1.85 Kg / 3.08lb

SHINYBOW™

SB-5658
1x8 HDMI Distribution Amplifier
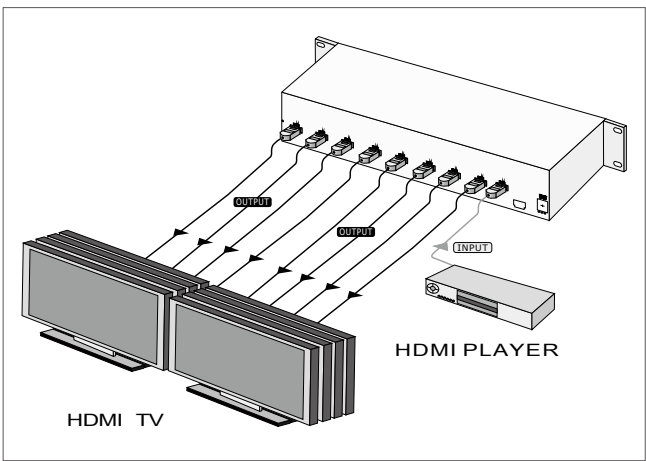
Input   : 1x HDMI
Output : 8x HDMI

Ear Rack : 1U-440L

INTRODUCTION

The SB-5658 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1 input and 8 outputs the distributor supports data rates up to 2.25 Gbps. and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance, control one inputs to 8 outputs. This product is certified,and fully HDMI™ and HDCP compliant.This product is also with CE, FCC compliant. Support high resolution quality HDMI™ source to HDMI™ displays, monitors or projectors.

DIAGRAM TYPICAL

HDMI PLAYER

HDMI TV

FEATURES

01. Support 1x HDMI digital A/V device Amplifier to 8x HDMI monitors
02. HDMI digital video/audio format, DVI format and HDCP compliant
03. Support HDMI/DVI high definition resolutions 408p, 720p, 1080i/1080p
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support desktop with ear rackmount and 19 inch rack mountable type panel

SPECIFICATIONS

Type of Amplifier	1x8 HDMI Distribution Amplifier
Type of Signal	TMDS Digital Video PCM Digital Audio
HDMI Input	Signals Video (TMDS) 0.5~1.0Vpp
Compliant with HDMI standard	HDMI and HDCP
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Data Rates	250Mbps to 2.25Gbps
Pixel clocks	25MHz to 225MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Safety Approval	CE, FCC
Dimension (WxDxH)	17.41" x 7.87" x 1.74" (442mm x 200mm x 44mm)
Power Supply input	DC 12V / 2A Max Use Universal Switch Type 50/60Hz, 100~240VAC
Weight	2.45 Kg / 5.4 lb

SB-5658K

1x8 HDMI Distribution Amplifier w/ Scaler

Input : 1x HDMI
Output : 8x HDMI

HDMI™ 4K|2K CAPABLE
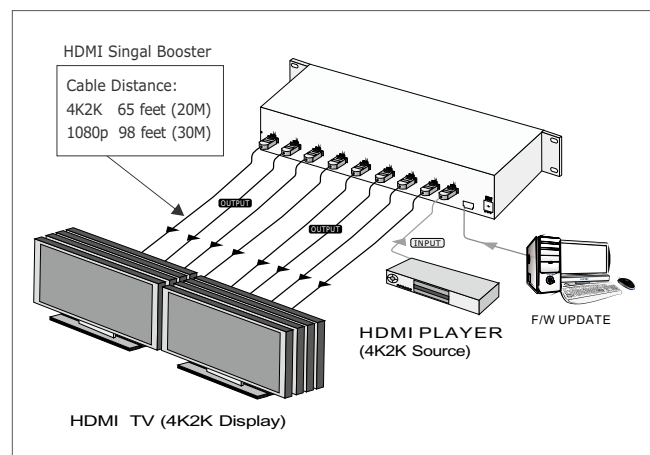
PRO EDID SCALER BOOSTER

Ear Rack : 1U-440L

INTRODUCTION

The SB-5658K is professional 1x8 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input. eight (8) HDMI™ outputs. The SB-5658K 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 distributed to (1) Input to (8) outputs. The Distribution Amplifier is certified as being fully CEC and HDCP 1.4 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. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The SB-5658K has 1x HDMI™ connector for Input, effectively making this an (1) in x(8) out distributor. The EDID management can be selected between three (3) different modes and The Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL

HDMI Singal Booster

Cable Distance:
4K2K   65 feet (20M)
1080p 98 feet (30M)

OUTPUT

OUTPUT

INPUT

F/W UPDATE

HDMI PLAYER
(4K2K Source)

HDMI TV (4K2K Display)

FEATURES

01. (1)x HDMI 4K2K source device distributed to (8)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC / HDCP 1.4 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 340MbHz), 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. EDID supports : Embedded EDID modes
    • Mode (1) : 1080p - 2CH
    • Mode (2) : 1080p - Bitstream
    • Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    • Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    • Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
12. Various User Interface controls : Front Panel push button, IR Remote Cotrol
13. Support Power input AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 8x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates: 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	8x 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)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler : 1080p-24Hz 2. Scaler : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack.
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Rack Mount	Rack Mount 1RU High 19" Rack Mount (P/N: 1U-304L)
Dimension (WxDxH)	17.41" x 7.87" x 1.74" (442mm x 200mm x 44mm)
Power Supply	AC 100~240V, 50/60Hz (universal Type Supply)
Safety Approvals	CE, FCC, REACH
Weight	2.45 Kg / 5.4 lb

SHINYBOW™

SB-5659
1x16 HDMI Distribution Amplifier

HDMI™
HIGH-DEFINITION MULTIMEDIA INTERFACE
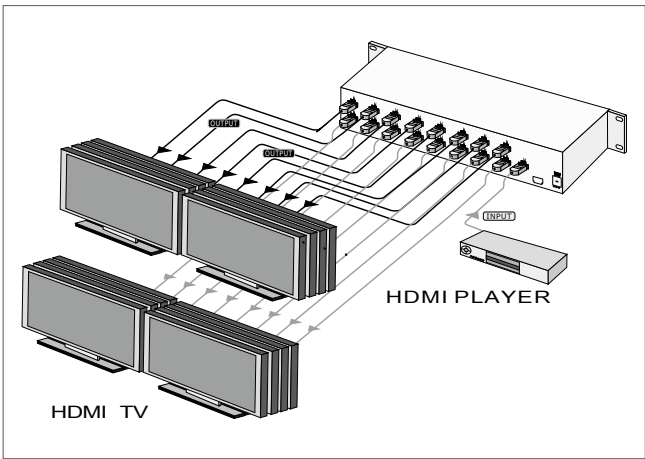
Input : 1x HDMI
Output : 16x HDMI

Ear Rack : 1U-440L

INTRODUCTION

The SB-5659 is high quality HDMI™ distribution amplifier, high performance designed distribution HDMI™ signal. Providing 1x input and 16 outputs, the distributor support data rates up to 2.25 Gbps and enable 1080p HDMI™ formats and UXGA DVI resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend HDMI™ signal for long distance. This product is certified, and fully HDMI™ and HDCP compliant. This product is also with CE, FCC compliant. Support HDMI™ (HDCP) source to multiple HDMI™ (HDCP) displays, monitors or projectors.

DIAGRAM TYPICAL

OUTPUT
OUTPUT
INPUT
HDMI PLAYER
HDMI TV

FEATURES

01. Support 1:16 HDMI Distribution Amplifier
02. I/O Signals : HDMI with HDCP Digital Video and Digital Audio (PCM)
03. HDMI and HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Compatible with all HDMI devices, PC monitors, Plasma TV display and HDTV
07. Support Digital Video TMDS formats in Deep Color 12bits
08. Support colour depth up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
09. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients
10. Auto-Scan input and outputs status via LED display on front panel
11. Control by selection buttons on front panel and use IR Remote Controller
12. Support IR Extender port with 300M long distance in rear panel
13. Support desktop with ear rackmount and 19 inch rack mountable type panel
14. Power supply DC 12, Universal Type switch 100~230VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	1x16 HDMI Distribution Amplifier
Signal Support	HDMI standard, DVI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1920x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with HDMI standard	HDMI and HDCP
HDTV Support	1080p HDMI formats and UXGA 1920x1200 resolution
Control	IR Remote
Data Rates	250Mbps to 2.25 Gbps Pixel clocks : 25MHz to 225 MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Various video input interface supporting digital video standards such as	RGB/YCBCR : 24/30/36-bit YCBCR : 8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR : 12/15/18-bit
Infrared frequency	38KHz
Safety Approvals	CE, FCC
Dimension (WxDxH)	19" x 7.87" x 1.75" (482mm x 200mm x 44mm)
Power Supply	DC 12V /3A Max (Consumption Maximum 2.25A) Use Universal Switch Type 50/60Hz, 100~240VAC
Weight	2.45 Kg / 5.4 lb

SB-5659K

1x16 HDMI Distribution Amplifier w/ Scaler

Input : 1x HDMI
Output : 16x HDMI

HDMI™ 4K 2K

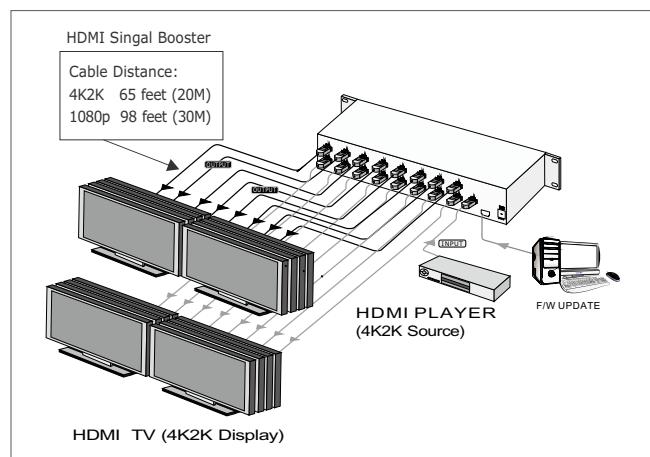PRO | EDID | SCALER | BOOSTER

Ear Rack : 1U-440L

03

INTRODUCTION

The SB-5659K is professional 1x16 4K2K HDMI™ Distribution Amplifier. Supporting one (1) HDMI™ Input, sixteen (16) HDMI™ outputs. The SB-5659K 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 distributed to (1) Input to (16) outputs. The Distribution Am[plifier is certified as being fully CEC and HDCP 1.4 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. Support HDMI™ Video Booster function as the 4K2K resolution 65 feet (20Meters) and 1080p resolution 98 feet (30Metters). The SB-5659K has 1x HDMI™ connector for Input, effectively making this an (1) in x(16) out distributor. The EDID management can be selected between three (3) different modes and the Scaler management (2) modes as the scaling up to 4K2K (24Hz) and scaling down to 1080p(24Hz). Switch control is provided via Front panel push buttons and IR remote controller.

DIAGRAM TYPICAL

HDMI Singal Booster

Cable Distance:
4K2K   65 feet (20M)
1080p 98 feet (30M)

HDMI PLAYER
(4K2K Source)

F/W UPDATE

HDMI TV (4K2K Display)

FEATURES

01. (1)x HDMI 4K2K source device distributed to (16)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS w/embedded HDCP, DVI format and CEC/ HDCP 1.4 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 340MbHz), 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. EDID supports : Embedded EDID modes
    • Mode (1) : 1080p - 2CH
    • Mode (2) : 1080p - Bitstream
    • Mode (3) : 4K2K - Bitstream
08. Scaler Modes supports :
    • Mode (1) : Scaling down to 1080p-24Hz (Support source 4K2K-24Hz only)
    • Mode (2) : Scaling up to 4K2K-24Hz (Support source 1080p-24Hz only)
09. Audio Input : Support HDMI standard multi-channel digital audio
10. Audio Output : Support HDMI standard multi-channel digital audio
11. HDMI Output with Booster function, Cable Distance 4K2K 65 feet (20M) & 1080p-60Hz 98 feet (30M)
12. Various User Interface controls: Front Panel push button, IR Remote Control
13. Support Universal power input AC100V~240V, 50/60Hz

SPECIFICATIONS

Type of HDMI Splitter	1x input To 16x Outputs HDMI Distribution Amplifier
HDMI Support	HDMI 4K2K, 1080P-@60Hz, H36-bit Deep color, 3D of HDMI V1.4 formats
HDCP / CEC Support	HDCP 1.4 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD:480i/ 480p/ 720p/ 1080i/p and 4K2K up to 36bit deep color
Input	1x HDMI (HDMI or DVI digital source)
Output	16x HDMI (To Destination)
Switch Controls	1x Select & Function buttons on front panel 1x IR Remote Controller (switch control)
(3) EDID management	1. EDID : 1080p-2CH 2. EDID : 1080p-Bitstream 3. EDID : 4K2K-Bitstream
(2) Scaling mode	1. Scaler : 1080p-24Hz 2. Scaler : 4K2K-24Hz
HDMI Signal Booster	Distance 4K2K Cable 65 feet (20M), 1080p Cable 98 feet (30M)
Infrared Frequency	38 Khz
Firmware Update	Firmware update via mini-USB Jack
HDMI I/O Connector	HDMI Type A - SMD 19pin Female Type
Temperature	Operating Temperature 32°F - 100°F (0°C - 32°C)
Rack Mount	Rack Mount 1RU High 19" Rack Mount (P/N:1U-440L)
Dimension (WxDxH)	19" x 7.87" x 1.75" (482mm x 200mm x 44mm)
Power Supply	AC 100~240V, 50/60Hz (universal Type)
Safety Approvals	CE, FCC, REACH
Weight	2.25 Kg / 3.75 lb

SHINYBOW™

SB-5602
2x1 DVI Routing Switcher
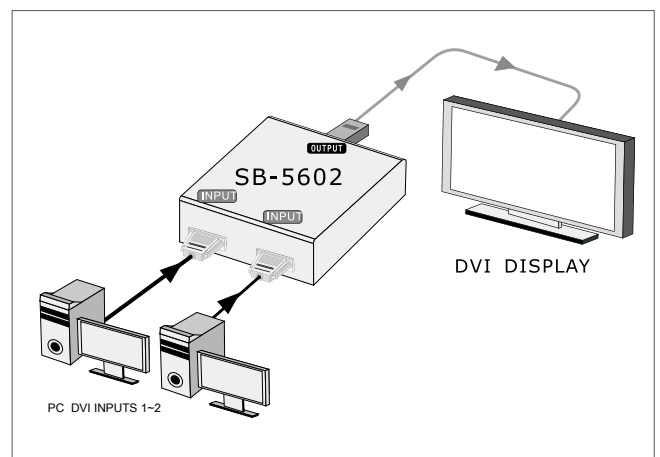
Input : 2x DVI
Output : 1x DVI

`DVI` `SWITCHER`

INTRODUCTION

The SB-5602 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™(TMDS) digital Video with HDCP compliant. Providing 2x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL

FEATURES

01. Support : 2:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion (CSC) between RGB and YCBCR color spaces with programmable coefficients
09. Power via LED display on front panel
10. Control by front panel selection buttons
11. Support wall rack mountable type
12. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	2:1 DVI Routing Switcher
Signal Support	DVI standard, HDMI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True -HD & Dolby Digital Plus
Ttype of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons
Data Rates/Pixel clocks	250Mbps to 2.25 Gbps 25MHz to 225 MHz
HDMI Cable Distance	10 meters at 2.25Gbps
Support digital video input	RGB/YCBCR:24/30/36-bit YCBCR:8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR:12/15/18-bit
Safety Approval	CE, FCC, VCCI
Dimension (WxDxH)	2.87" x 4.45" x 1.14" (73mm x 113mm x 29mm)
Power Supply	DC 12V /1A Max (Consumption Maximum 0.42A) Use Universal Switch Type 50/60Hz, 100~240VAC
Weight	0.2 Kg / 0.44 lb

SB-5603
4x1 DVI Routing Switcher

Input : 4x DVI
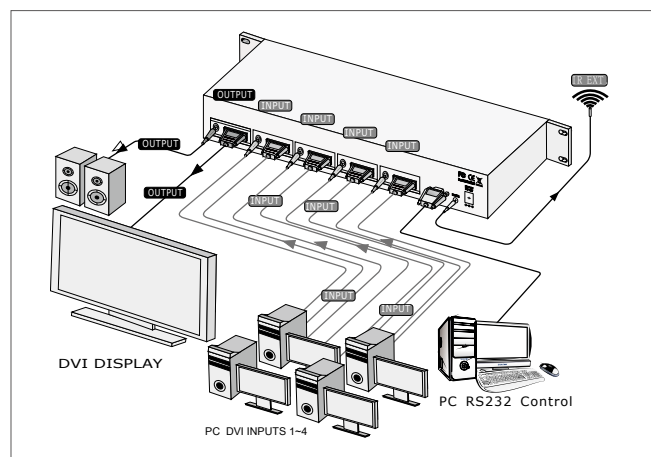Output : 1x DVI

`DVI` `SWITCHER` `PRO`

03

Ear Rack : 1U-440L

INTRODUCTION

The SB-5603 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™(TMDS) digital Video with HDCP compliant. Providing 4x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL

DVI DISPLAY

PC DVI INPUTS 1~4

PC RS232 Control

FEATURES

01. Support : 4:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV / DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients
09. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS-232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	4:1 DVI Routing Switcher
Signal Supports	DVI Standard, HDMI and HDCP Compliant
Video Supported	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Supported	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Type of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons, IR Remote, IR Ext. and RS-232 Interface
Data Rates / Pixel clocks	250Mbps to 2.25 Gbps / 25MHz to 225 MHz
Cable Distance	10 meters at 2.25Gbps
Support digital video input	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
Infrared frequency	38KHz
Safety Approvals	CE, FCC, VCCI
Dimension (WxDxH)	19" x 7.87" x 1.75" (482mm x 200mm x 44mm)
Power Supply	DC 12V / 2A Max (Consumption Maximum 1.25A) Use Universal Switch Type 50/60Hz, 100~24VAC
Weight	2.45 Kg / 5.4 lb

SHINYBOW™

SB-5607
8x1 DVI Routing Switcher

Input   : 8x DVI
Output : 1x DVI
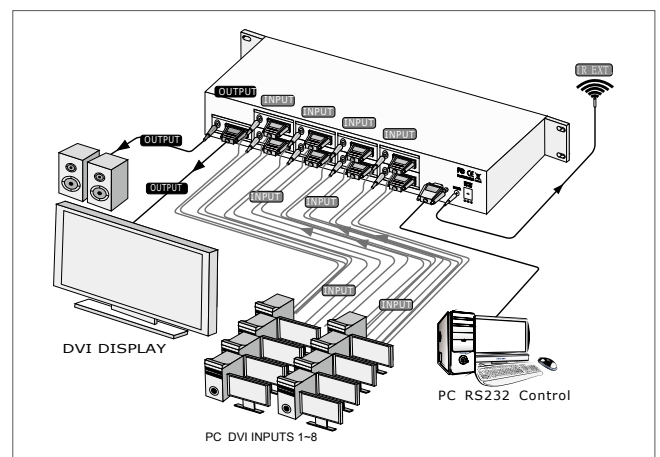
DVI | SWITCHER | PRO

03

Ear Rack : 1U-440L

INTRODUCTION

The SB-5607 is high quality DVI Routing Switcher, high performance designed DVI Switcher with DVI signal compatible with HDMI™ (TMDS) digital Video with HDCP compliant. Providing 8x inputs and 1 output, the switcher support data rates up to 2.25 Gbps and enable UXGA DVI and 1080p HDMI™-TMDS formats resolution to LCD and Plasma display applications. Auto scan function software is built-in to extend DVI signal for long distance. This product is certified, and fully DVI (HDCP) compliant. This product is also with CE, FCC compliant. Support high DVI (HDCP) sources to multiple DVI (HDCP) display, monitor or projector.

DIAGRAM TYPICAL

DVI DISPLAY

PC DVI INPUTS 1~8

PC RS232 Control

FEATURES

01. Support : 8:1 DVI Routing Switcher
02. I/O Signals : DVI with HDCP Digital Video(TMDS)
03. DVI and HDMI with HDCP compliant
04. Support link speeds of up to 2.25 Gbps (link clock rate of 225 MHz)
05. Support wide range of PC resolutions from XGA to UXGA 1600x1200 and HDTV/DTV resolutions HDMI 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Support Digital Video TMDS formats in Deep Color 12bits
07. Support colour depth of up to 36 bits and ensures robust transmission of high-quality uncompressed video content, along with state-of-the-art uncompressed and set-top-box
08. Bi-direction colour space conversion(CSC) between RGB and YCBCR color spaces with programmable coefficients.
09. Auto-Scan input and outputs status via LED display on front panel
10. Control by front panel selection buttons, IR Remote and RS-232 interface
11. Support IR Extender in rear panel for 300 Meter long distance extend
12. Support desktop with ear rackmount and 19 inch Rack mountable type panel
13. Power supply DC 12Volt, Universal Type switch 100~240VAC, 50/60Hz

SPECIFICATIONS

Type of Distributor	8:1 DVI Routing Switcher
Signal Support	DVI standard, HDMI and HDCP compliant
Video Support	1080p HDMI formats and DVI UXGA 1600x1200 HD resolutions
Audio Support	DTS-HD Master Audio, Dolby True-HD & Dolby Digital Plus
Ttype of Signal	TMDS Digital Video PCM Digital Audio
Compliant with DVI standard	DVI, HDMI and HDCP
HDTV Support	1080p HDMI formats and DVI UXGA 1600x1200 resolution
Controls	Front Panel Selection buttons, IR Remote and RS-232 Interface
Data Rates	250Mbps to 2.25 Gbps Pixel clocks: 25MHz to 225 MHz
Cable Distance	10 meters at 2.25Gbps
Supporting digital video input	RGB/YCBCR : 24/30/36-bit YCBCR : 8/10/12/16/20/24-bit Double data rate interface for RGB/YCBCR : 12/15/18-bit
Infrared frequency	38KHz
Safety Approval	CE, FCC, VCCI
Dimension (WxDxH)	19" x 7.87" x 1.75" (482mm x 200mm x 44mm)
Power Supply	DC 12V / 2A Max (Consumption Maximum 1.25A) Use Universal Switch Type 50/60Hz, 100~240VAC
Weight	2.45 Kg / 5.4 lb

SB-8812
4x4 DVI Matrix Switch

Input   : 4x DVI
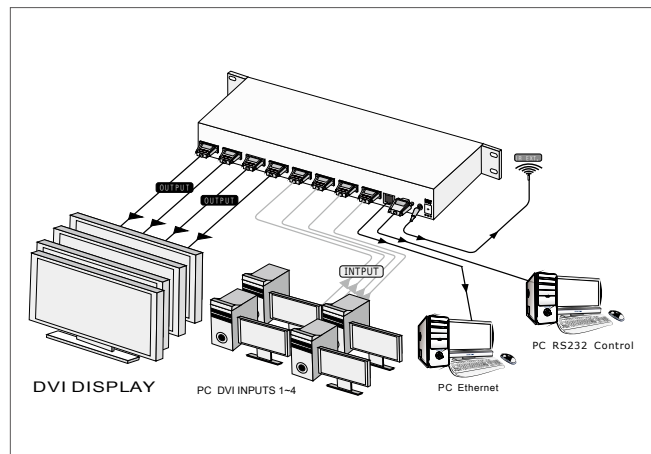Output : 4x DVI

DVI | MATRIX | EDID | PRO

Ear Rack : 1U-440L

03

INTRODUCTION

The SB-8812 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI 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 DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL

DVI DISPLAY   PC DVI INPUTS 1~4   PC Ethernet   PC RS232 Control

FEATURES

01. 4x DVI signal device sources matrix switched to 4x DVI destination devices
02. DVI digital video w/embedded, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    - Windows based GUI control via RS-232 port
    - Front Panel push button
    - IR wireless remote control
    - Ethernet series control
    - Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	4x DVI inputs To 4x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 2.25Gbps bandwidth
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Rack Mount	19" x 9.85" x 1.75" (482mm x 250mm x 44mm)
Dimension (WxDxH)	Rack Mount 1RU High 19" Rack Mount (with rack mount)
Power Supply	DC12V / 3A, Universal world wide Type 50/60Hz, 100~240 VAC
Power Consumption	1880 mA Maximum
Safety Approvals	CE, FCC, REACH
Weight	2.25 Kg / 3.75 lb

SHINYBOW™

SB-8811
8x8 DVI Matrix Switch

Input : 8x DVI
Output : 8x DVI + 1 Preview port
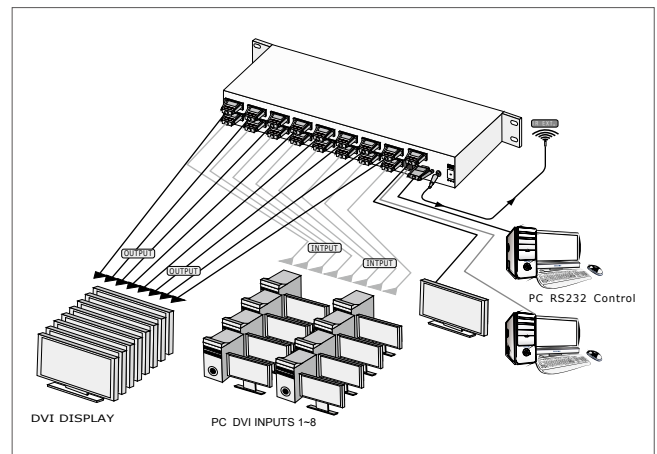
| DVI | MATRIX | EDID | PRO |

Ear Rack : 1U-440L

INTRODUCTION

The SB-8811 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA / WUXGA / DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL

PC RS232 Control

DVI DISPLAY   PC DVI INPUTS 1~8

FEATURES

01. (8)x DVI signal device sources matrix switched to (8)x DVI destination devices
02. DVI digital video w/embedded, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 225Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    • Windows based GUI control via RS-232 port
    • Front Panel push button
    • IR wireless remote control
    • Ethernet interface series (switch control)
    • Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    • Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    • External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	(8)x DVI inputs To (8)x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant.
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Digital Video Support	HD resolution : 1920x1200 , HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS-232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Rack Mount	19" x 9.85" x 1.75" (482mm x 250mm x 44mm)
Dimension (WxDxH)	Rack Mount 1RU High 19" Rack Mount (with rack mount)
Power Supply	DC12V / 5A Universal world wide Type 50/60Hz, 100~240 VAC
Power Consumption	3880 mA Maximum
Safety Approvals	CE, FCC, REACH
Weight	3.55 Kg / 7.81 lb

SB-8813

4x4 DVI-Audio Matrix Switch

Input : 4x DVI / Audio
Output : 4x DVI / Audio
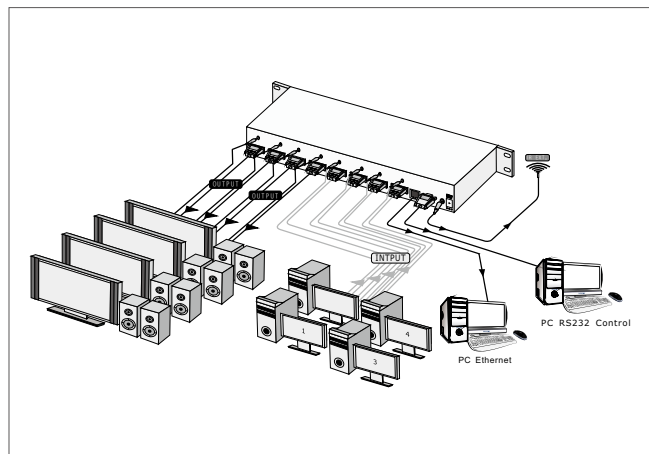
DVI | MATRIX | EDID | PRO | AUDIO

03

Ear Rack : 1U-440L

INTRODUCTION

The SB-8813 is high-performance 4x4 matrix routing switcher for DVI (Digital Visual Interface) and analog Stereo Audio (AR/AL) signals. This Switcher supports data rates up to 2.25 Gbps, Video Bandwidth 340MBhz, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HDTV display. High Definition full Digital Video DVI signals can be selected and distributed to any 4 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE, FCC certification. Support high resolution DVI sources routedto DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL

FEATURES

01. 4x DVI & Audio signal device sources matrix switched to 4x DVI & Audio destinations
02. DVI digital video w/embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    • Windows based GUI control via RS-232 port
    • Front Panel push button
    • IR wireless remote control
    • Ethernet series control
    • Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    • Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    • External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (1U-440L)
14. Support Power Supply 12VDC, 3A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	4x DVI inputs To 4x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 2.25Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution : 1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Rack Mount	Rack Mount 1RU High 19" Rack Mount (with rack mount)
Dimension (WxDxH)	19" x 9.85" x 1.75" (482mm x 250mm x 44mm)
Power Supply	DC12V / 3A Universal world wide Type 50/60Hz, 100~230 VAC
Power Consumption	1880 mA Maximum
Safety Approvals	CE, FCC, REACH
Weight	2.25 Kg / 3.75 lb

SHINYBOW™

SB-8808LCM
8x8 DVI-Audio Matrix Switch

Input : 8x DVI / Audio
Output : 8x DVI / Audio

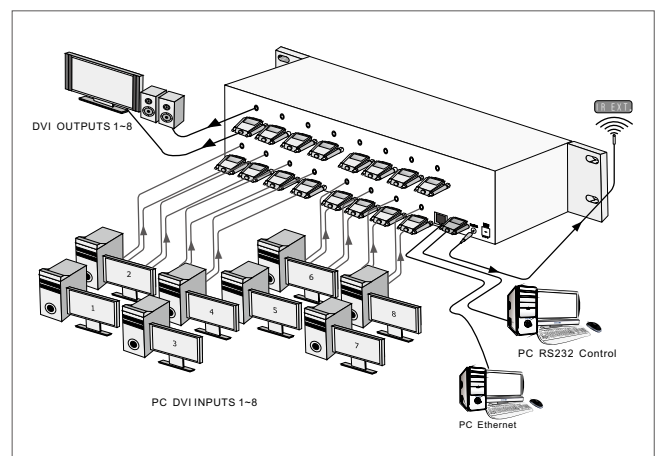| PRO | MATRIX | EDID | DVI | AUDIO |

Ear Rack : 2U-440L

INTRODUCTION

The SB-8808 is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signals. This switcher supports data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA/WUXGA/DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL

DVI OUTPUTS 1~8

PC DVI INPUTS 1~8

PC RS232 Control

PC Ethernet

FEATURES

01. 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations
02. DVI digital video w/embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
    • Windows based GUI control via RS-232 port
    • Front Panel push button
    • IR wireless remote control
    • Ethernet series control
    • Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
    ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
    • Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
    • External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984 (300M) Maximum
13. Support Rack Mount 1RU High 19" Rack Mount with rack mount (2U-440L)
14. Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	8x DVI inputs To 8x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates : 340Mhz, Total 6.75Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i / p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (OD 3.5mm Ear phone Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Rack Mount	Rack Mount 1RU High 19" Rack Mount (with rack mount)
Dimension (WxDxH)	19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
Power Supply	DC12V / 5A Universal world wide Type 50/60Hz, 100~240 VAC
Power Consumption	3880 mA Maximum
Safety Approvals	CE, FCC, REACH
Weight	3.25 Kg / 5.41 lb

SB-8808TB
8x8 DVI-Audio Matrix Switch

Input   : 8x DVI / Stereo Audio (Terminal Block)
Output : 8x DVI / Stereo Audio (Terminal Block)

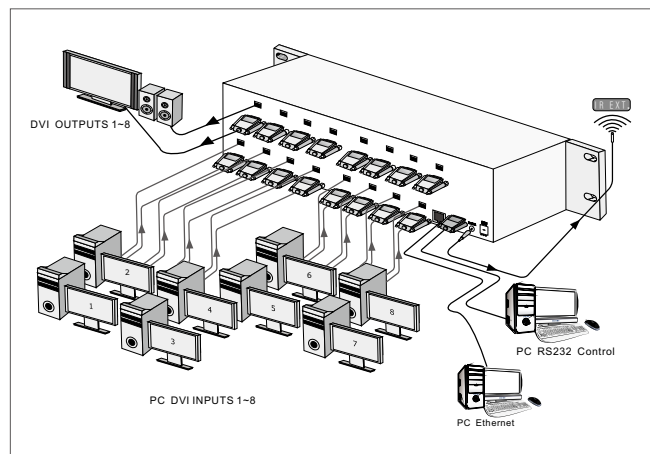| PRO | MATRIX | EDID | DVI | AUDIO |

Ear Rack : 2U-440L

03

INTRODUCTION

The SB-8808TB is high-performance 8x8 matrix routing switcher for DVI (Digital Visual Interface) and Stereo Audio signal. This switcher supports Audio(Terminal Block connector), data rates up to 2.25 Gbps, enabling 1920x1200 DVI formats and UXGA / WUXGA / DVI resolution to any HD display. High Definition Digital signals can be selected and distributed to any 8 outputs simultaneously. The Switcher is certified as being fully DVI and HDCP compliant, with CE,FCC certification. Support high resolution DVI sources routed to DVI displays, monitors, projector or audio receivers. The EDID can be selected between four (4) different modes. Control is provided via Front panel push buttons, IR remote, TCP/IP (not a web-browser) or RS-232. An RS-232 Windows GUI interface is provided for matrix routing control (Windows only).

DIAGRAM TYPICAL

FEATURES

01. 8x DVI & Audio signal device sources matrix switched to 8x DVI & Audio destinations
02. DVI digital video w/embedded HDCP, DVI format and HDCP 1.3 compliant
03. Seven (7) function key control and worldwide (4) EDID modes for HD-DVI resolutions
04. Link speeds of up to 2.25 Gbps (link clock rate of 340Mb Hz), Support DVI 3D formats
05. Wide range of HD resolutions from PC XGA/UXGA/WUXGA/DVI to WUXGA 1920x1200 and HDTV/DTV resolutions 480i/480p, 576i/576p, 720p, 1080i & 1080p
06. Digital Video TMDS formats Resolution up to 1080P-60 with Deep color 36-bit
07. Various User Interface control :
   • Windows based GUI control via RS-232 port
   • Front Panel push button
   • IR wireless remote control
   • Ethernet series control
   • Third party RS-232 controller (via simple ASCII)
08. Support world wide control functions :
   ALL / OFF / RECALL / ENTER / MEMORY / EDID / LOCK
09. Support Embedded EDID modes :
   • Internal modes : FSS / 1280x1024-60Hz / 1920x1200-60Hz / Auto
   • External modes : Learning mode
10. Automatic scanning input sources status via LED show on front panel
11. Support ISP function to update the new F/W via RS-232 port
12. Support IR Remote and IR Extender with distance up to ~ 984' (300M) Maximum
13. Support Rack Mount 1RU High 19 "Rack Mount with rack mount (2U-440L)
14. Support Power Supply 12VDC, 5A Universal Type 50/60Hz, 100~240 VAC

SPECIFICATIONS

Type of DVI Switcher	8x DVI inputs To 8x DVI Outputs Matrix Switcher
DVI Support	HD 1920x1200, H36-bit Deep color, 3D (HDMI 1.4a) formats
HDCP / CEC Support	HDCP 1.3 Compliant, CEC Compliant
Video Bandwidth	Double Data Rates:340Mhz, Total 6.75Gbps bandwidth
Video Support	Digital Visual Interface TMDS digital format signal
Audio Support	Analog Stereo Audio
Digital Video Support	HD resolution:1920x1200, HDMI 480i/p / 720p / 1080i /p
Switch Controls	1x IR Remote Controller 1x IR External port x 1 (Terminal Block (5) Pins Jack) 1x Select & Function buttons on front panel 1x Ethernet serial interface 1x RS 232 serial interface
Ethernet Support	Ethernet serial interface (AP version 2.0)
Source Status	Automatically Scan Sources Inputs via (4) LED show out
Function Control Key	ALL / OFF / RECALL / ENTER / MEMORY / LOCK / EDID
Infrared Frequency	38 Khz
IR External Distance	~984 feet / 300 meters maximum
DVI I/O Connector	DVI-D - (24+5) pin Female DIP Type
Temperature	32°F - 100°F Operation (0°C - 38°C)
Rack Mount	Rack Mount 1RU High 19" Rack Mount (with rack mount)
Dimension (WxDxH)	19" x 9.85" x 3.46" (482mm x 250mm x 88mm)
Power Supply	DC12V / 5A Universal world wide Type 50/60Hz, 100~230 VAC
Power Consumption	3880 mA Maximum
Safety Approvals	CE, FCC, REACH
Weight	3.25 Kg / 5.41 lb