SHINYBOW™

SB-5658K
1x8 HDMI Distribution Amplifier with Scaler

Input   : 1x HDMI
Output : 8x HDMI
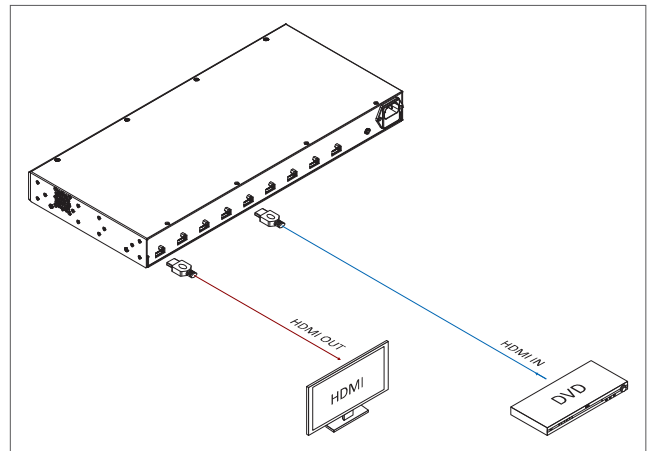
HDMI™ 4K|2K CAPABLE

PRO | EDID | SCALER | BOOSTER

03

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

FEATURES

01. (1)x HDMI 4K2K source device distributed to (8)x HDMI output 4K2K destinations
02. HDMI digital Video 4K2K TMDS with 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)
Safety Approvals	CE, FCC, REACH
Rack Mount Bracket	19 inch 1U High Rack Mount Bracket (1U-440L)
Dimension (WxDxH)	17.4" x 11.9" x 1.73" (442mm x 303mm x 44mm)
Weight	2.6 kg / 5.73 lb
Power Supply	AC 100~240V 50/60Hz