SHINYBOW

SB-5658K

1x8 HDMI Distribution Amplifier with Scaler

Hamila 4K2K

Input : 1x HDMI PRO EDID SCALER BOOSTER Output: 8x HDMI









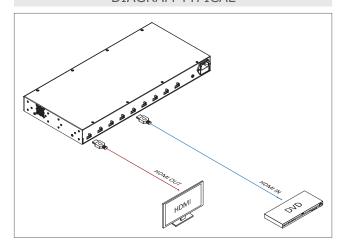
INTRODUCTION

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 $^{\scriptscriptstyle\mathsf{TM}}$ standard 4K2K and supports full resolution HDMI $^{\scriptscriptstyle\mathsf{TM}}$ 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 $^{\text{TM}}$ 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.

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 &
- 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 BitstreamMode (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

DIAGRAM TYPICAL



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) 1x Select & Function buttons on front panel (Data status via LCM panel show out) 1x IR Remote Controller (switch control) 1. EDID: 1080p-2CH 2. EDID: 1080p-Bitstream 3. EDID: 4k2K-Bitstream 3. EDID: 4k2K-Bitstream 1. Scaler: 1080p-24Hz 2. Scaler: 4k2K-24Hz HDMI Signal Booster Distance 4k2K Cable 65 feet (20M), 1080p Cable 98 feet (30M) Infrared Frequency 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		
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1x IR Remote Controller (switch control) (3) EDID	Switch Controls	1x Select & Function buttons on front panel
(3) EDID management 1. EDID: 1080p-2CH 2. EDID: 1080p-Bitstream 3. EDID: 4K2K-Bitstream 3. EDID: 4K2K-Bitstream 1. Scaler: 1080p-24Hz 2. Scaler: 4K2K-24Hz HDMI Signal Booster Infrared Frequency 38 Khz Firmware Update HDMI I/O Connector HDMI I/O Connector HDMI I/O Connector 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) Weight 1. EDID: 1080p-2CH 2. EDID: 1080		(Data status via LCM panel show out)
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	Weight	2.6 kg / 5.73 lb
Power Supply AC 100~240V 50/60Hz	Power Supply	AC 100~240V 50/60Hz