

18G/4K 1x1 HDMI Scaler with Audio Insertion & Extraction

LB-H2SCL

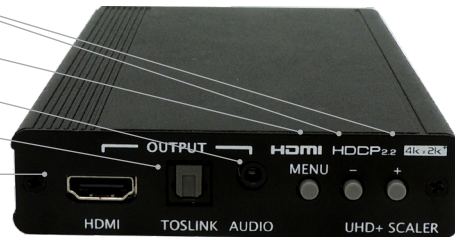
Move Up/Down

OSD Menu

Audio Out

TOSLINK Out

HDMI Out



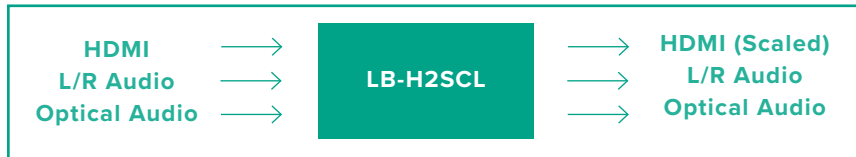
Update Firmware

Audio In

TOSLINK In

DC 5V Power

HDMI In



OVERVIEW

The LB-H2SCL accepts and outputs a wide range of resolutions up to 4K@60Hz (4:4:4, 8-bit) with simultaneous audio embedding and de-embedding of digital (HDMI or optical) or analog audio. Integrated EDID and HDCP management options allow for control over the way connected sources and displays detect the unit. The scaled HDMI output is powered by a high quality single-pass scaling engine with the ability to adjust the image with a number of fine tuning options including: contrast, brightness, hue, saturation, sharpness, noise reduction, and RGB levels. 3-D motion adaptive de-interlacing and frame rate conversion is supported as well.

The HDMI input and output supports passing up to LPCM 7.1 digital audio as well as Bitstream and HD Bitstream audio formats. Audio embedding and de-embedding is also available with the included digital optical and analog stereo audio inputs and outputs (LPCM 2.0 only). Shortcut keys are provided to quickly change the output resolution to 1080p@60Hz or XGA when needed for quick connection to a display or for troubleshooting purposes.

This is an ideal device to integrate previously incompatible sources and displays in your boardroom, classroom, or home. This unit is controlled via a comprehensive On-Screen Display (OSD) menu that provides the user with easy access to all settings.

FEATURES

- HDMI input and output with 18Gbps (600MHz) 4K UHD support
- DVI 1.0 compliant with the use of an HDMI-DVI adaptor
- HDCP 2.2 and HDCP 1.x compliant
- 1 HDMI input and 1 HDMI output
- 1 Digital Optical Audio (TOSLINK) and 1 Analog Stereo Audio input
- 1 Digital Optical Audio (TOSLINK) and 1 Analog Stereo Audio output
- HDMI input supports resolutions up to 4096×2160p@60Hz (4:4:4, 8-bit)
- Scaled HDMI output supports resolutions from 640×480@60Hz up to 4096×2160p@60Hz (4:4:4, 8-bit)
- Supports pass-through of many audio formats including LPCM 2.0/5.1/7.1, Bitstream, and HD Bitstream via HDMI
- Supports audio embedding and de-embedding via digital optical and analog stereo audio inputs and outputs (LPCM 2.0 only)
- Supports frame rate conversion, 3-D motion adaptive de-interlacing, and 3:2/2:2 pull-down detection and recovery
- Supports output adjustments to contrast, brightness, hue, saturation, sharpness, RGB levels and aspect ratio
- Integrated EDID and HDCP management
- Controllable via front panel buttons with comprehensive OSD

INPUT PORTS

Ports HDMI, L/R Audio, Optical Audio

OUTPUT PORTS

Ports HDMI, L/R Audio, Optical Audio

VIDEO SCALING

Max Resolution 4096 x 2160@60Hz; 4:4:4 8-bit

AUDIO

Audio Format L/R Analog
Connector 3.5mm Stereo Jack

OPTICAL AUDIO

Connector Toslink
Input Sampling Rate(s) (KHz) 32, 44.1, 48, 82, 88.2, 96, 176.4, 192
Output Sampling Rate (KHz) 48

STATUS LED INDICATORS

Power Indicates input power is present

PHYSICAL

Dimensions 4.01"(W) x 6.14"(D) x 0.98"(H)
Power Rating 5V DC, 2.6A
Operating Temperature 0 to 40°C, operating
Humidity 0 to 90% RH, Non-Condensing

CERTIFICATIONS

CE, FCC

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

LB-H2SCL Link Bridge 18G/4K HDMI Scaler with HDMI Input/Output
Included Accessories 5 VDC Power Adapter

PANEL DRAWING

