

LinkBridge™ 18G/4K HDMI Enhanced Splitter (2x8) LB-H2-SP28E



2 Modes of Operation:

1) 1x8 Splitter with 2 Selectable HDMI Sources

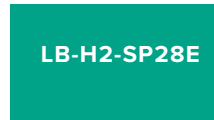
HDMI Source 1 →
or
HDMI Source 2 →



→ HDMI Output A
→ HDMI Output B
→ HDMI Output C
...
→ HDMI Output H

2) Two- 1x4 Splitters in Group Mode

HDMI Source 1 →
and
HDMI Source 2 →



→ HDMI Output A
...
→ HDMI Output D
→ HDMI Output E
...
→ HDMI Output H

Group 1
Group 2

OVERVIEW

The LB-H2-SP28E Splitter is an advanced solution providing high performance audio and video support including HDR and other features defined by the HDMI 2.0a specification. 4K UHD HDMI video sources, up to and including 4K@60Hz (4:4:4, 8-bit) as well as 10/12-bit sources with HDR, are able to be passed along to 2/4/8 outputs. Pass-through of multiple digital audio formats such as LPCM 7.1, Bitstream and advanced HD Bitstream with audio sampling rates up to 192kHz are also supported. An independent HDCP management engine for each output ensures stable HDCP performance.

This splitter also includes a special “Group Mode” which allows the unit to function as two independent 1x4 splitters. When Group Mode is enabled, each of the 2 HDMI inputs are routed to their own discrete set of 4 outputs.

When a mixture of displays with different specifications are connected, each output will automatically scale 4K to 1080p or apply color space conversion (4:4:4 to 4:2:0), as appropriate, based on each connected display’s EDID. Support for the CEC “active source” command to periodically reset input selection on CEC-compatible connected displays is also included. This unit is controllable via simple front-panel switches with easy to read informational LEDs.

FEATURES

- HDMI with HDR, 3D & 4K@60Hz support, DVI 1.0 compatible
- HDCP 2.2 and HDCP 1.x compliant
- Supports up to 4K UHD (18Gbps, 4K@50/60Hz 4:4:4, 8-bit) video signals
- 8 output HDMI splitter with 2 selectable inputs and automatic input switching support
- Special “Group Mode” allows the unit to function as two independent 1x4 splitters in a single box
- Supports current 10-bit and 12-bit HDR (High Dynamic Range) formats
- Supports pass-through of LPCM 7.1, Bitstream and advanced HD Bitstream audio formats
- Per-output, selectable, 4K to 1080p down-scaling/color space conversion (4:4:4 to 4:2:0)
- Independent HDCP management engine for each output ensures stable performance
- Supports eight internal EDIDs, eight external EDIDs copied from connected devices, and two user provided EDIDs
- Support for the CEC “active source” command to periodically reset input selection on CEC-compatible connected displays
- Controllable via front-panel buttons with OSD and RS-232

INPUT PORTS

Ports HDMI x 2, USB Mini B (Service Port)

OUTPUT PORTS

Ports HDMI x 8 (LB-H2-SP28E)

SERIAL DATA

Channel Capacity 1
Signal Format RS-232
Data Rate 19200 bps
Connector 3-pin Terminal Block

STATUS LED INDICATORS

Power Indicates input power is present
IN 1 Indicates input source 1 is present
IN 2 Indicates input source 2 is present
In Group Indicates Group Mode is Active

PHYSICAL

Dimensions LB-H2-SP28E 9.45"(W) x 4.05"(D) x 0.98"(H)
Power Rating LB-H2-SP28E 5V DC, 3A
Operating Temperature 0 to 40°C, operating
Humidity 20 to 90% RH, Non-Condensing

CERTIFICATIONS

CE, FCC

GREEN COMPLIANCE

RoHS

ORDER INFORMATION

LB-H2-SP28E 18G/4K HDMI Enhanced Splitter (2x8)

Included Accessories 5V DC Power Adapter

PANEL DRAWING

