

J I - S U H 8 E - H 2

1x8 HDMI 2.0 SPLITTER

Professional HDMI 2.0 distribution splitter with 4K60 4:4:4 support, automatic 4K-to-1080p downscaling, advanced EDID management, CEC display control and AOC compatibility.

1x8 HDMI	HDMI 2.0	4K@60Hz	18Gbps	CEC	AOC
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01 OVERVIEW

The Jistron JI-SUH8E-H2 distributes one HDMI input to eight HDMI outputs and supports HDMI 2.0 video up to 3840 x 2160 at 60 Hz with 4:4:4 8-bit color. The unit supports automatic 4K-to-1080p downscaling, advanced EDID modes, CEC display control, built-in equalization and Micro-USB firmware upgrade. Each HDMI output can provide up to 5V/200mA for compatible active optical HDMI cables.

02 KEY FEATURES

- **4K60 HDMI 2.0**

Supports HDMI 2.0 video up to 3840 x 2160 at 60 Hz with 4:4:4 8-bit color.
- **18Gbps Bandwidth**

High-bandwidth HDMI distribution for professional multi-display systems.
- **CEC Display Control**

Front-panel controls support power, volume and mute commands for compatible CEC displays.
- **Automatic Downscaling**

Compatible 4K input formats can be automatically converted to 1080p for legacy displays.
- **Advanced EDID**

Preset, lowest-resolution, highest-resolution and user-defined EDID workflows are supported.
- **AOC Compatible**

Each HDMI output provides up to 5V/200mA for supported active optical HDMI cables.

03 DISTRIBUTION, EDID & CONTROL

4K60	DOWNSCALE	EDID	CEC	AOC	FW USB
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04 SIGNAL DISTRIBUTION & SYSTEM FUNCTIONS

1 1x8 HDMI distribution

One HDMI source is distributed to eight HDMI displays simultaneously.

3 EDID management

Front and rear DIP switches provide preset, L.RES and H.RES operating modes.

5 AOC output power

Each HDMI output can provide up to 5V/200mA for compatible active optical cables.

7 Status indication

Power, input and eight output LEDs provide immediate operating-status feedback.

2 Automatic downscaling

Compatible 4K input formats can be converted to 1080p for lower-resolution displays.

4 CEC display control

Compatible displays can be powered on/off and volume can be adjusted from the front panel.

6 Built-in equalizer

Signal equalization helps reduce attenuation during HDMI transmission.

8 Firmware upgrade

Micro-USB port supports field firmware upgrade and user-defined EDID import.

05 VIDEO PERFORMANCE & INTEGRATION

■ 4K60 4:4:4

Supports HDMI input and output resolutions up to 3840 x 2160 at 60 Hz with 4:4:4 8-bit color.

■ Mixed-resolution systems

Designed to feed 4K and 1080p displays from the same source using supported downscaling formats.

■ EDID compatibility modes

L.RES selects the lowest connected-display capability; H.RES selects the highest; PRESET enables fixed EDID selection.

■ CEC-enabled operation

Front-panel DISPLAY ON/OFF, volume up, volume down and mute functions operate on compatible CEC displays.

06 TECHNICAL SPECIFICATIONS

VIDEO INPUT	
HDMI inputs	1 x HDMI
Input connector	1 x HDMI Type-A female
Input resolution	Up to 4K@60Hz 4:4:4 8-bit
HDMI standard	HDMI 2.0
HDCP version	HDCP 2.2
CEC	Supported
VIDEO OUTPUT	
HDMI outputs	8 x HDMI
Output connectors	8 x HDMI Type-A female
Output resolution	Up to 4K@60Hz 4:4:4 8-bit
AOC output power	Up to 5V / 200mA per output for compatible AOC cable
HDMI standard	HDMI 2.0
CEC	Supported
CONTROL & MANAGEMENT	
Front-panel control	Display ON, Display OFF, Volume Down / Mute, Volume Up
EDID control	1 x 3-pin DIP switch + 1 x 4-pin DIP switch
Firmware / EDID port	1 x Micro-USB
EDID modes	Lowest resolution (L.RES) · Preset · Highest resolution (H.RES) · User-defined EDID

06 TECHNICAL SPECIFICATIONS - CONTINUED

GENERAL	
Bandwidth	18Gbps
Operating temperature	-5 °C to +55 °C
Storage temperature	-25 °C to +70 °C
Relative humidity	10% to 90%, non-condensing
Power supply	Input: 100-240V AC; Output: 12V DC, 1A
Power consumption	7W maximum
Dimensions (W x H x D)	260 x 20 x 70 mm
Net weight	500 g

SYSTEM FEATURES	
Automatic 4K to 1080p downscaling	Supported for specified 4K input formats
EDID management	Preset · L.RES · H.RES · User-defined EDID
CEC control	Display power, volume and mute on compatible displays
Built-in equalizer	Supported
Firmware upgrade	Micro-USB
Status indicators	Power · Input · 8 x Output LEDs

07 ORDERING INFORMATION

MODEL	DESCRIPTION	NOTES
JI-SUH8E-H2	HDMI 2.0 1x8 splitter with 4K60 support, automatic downscaling, EDID management, CEC control and AOC compatibility.	1 HDMI IN / 8 HDMI OUT

Technical specifications and key functions are presented for system design, tendering and product selection.

08 ABOUT JISTRON

Jistron is a European audio-visual brand headquartered in Tallinn, Estonia. It supplies conference systems, signal management and installed audio-visual solutions for boardrooms, chambers and command environments; products are manufactured at audited partner facilities.