

Imoware

Imoware HSP122-4K

1x2 HDMI 2.0 Splitter with Scaler/Audio Extract



User Manual

VER 1.0

Thank you for purchasing this product

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

Surge protection device recommended

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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1. Introduction

The 1x2 HDMI 2.0 Splitter simultaneously one route HDMI source to two routes HDMI display. It supports resolution up to 4K2K@60Hz (4:4:4) and HDCP 2.2. This product supports audio extract from HDMI source to optical and analog output. It can be selected COPY, AUTO modes EDID setting. Output supports bypass and downscaler(4K->1080P) function.

2. Features

- ☆ HDMI 2.0b, HDCP2.2/HDCP1.4 compliant.
- ☆ Supports HDMI resolution the maximum up to 4K2K@50/60Hz (4:4:4)
- ☆ Supports digital and analog audio extract output from HDMI source.
- ☆ Supports output bypass and 4K->1080P downscaler function via dial switch on panel.
- ☆ EDID can be selected COPY and AUTO modes via dial switch on panel.
(COPY: It copies OUT 1 port EDID setting to all outputs port;

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AUTO: Compare OUT 1 and OUT 2 EDID setting and output the best resolution to all outputs).

- ☆ Supports HDMI audio format LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD

3. Package Contents

- ① 1× 1×2 HDMI 2.0 Splitter
- ② 1× 5V/1A Power Adapter
- ③ 1× User Manual

4. Specifications

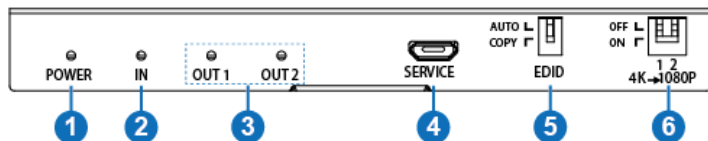
Technical	
HDMI Compliance	HDMI 2.0b
HDCP Compliance	HDCP 2.2 and HDCP 1.4
Video Bandwidth	18Gbps
Video Resolutions	720P50/60Hz, 1080P50/60Hz, 4K2K24Hz, 4K2K30Hz, 4K2K@50/60Hz (4:4:4)
Color Depth	4K60Hz 8-bit, 1080P 12-bit
Color Space	RGB, YCbCr 4:4:4, YCbCr 4:2:2
HDMI Audio Formats	LPCM, Dolby Digital/Plus/EX, Dolby True HD, DTS, DTS-EX, DTS-96/24, DTS High Res, DTS-HD Master Audio, DSD
L/R Audio Formats	PCM 2.0
Optical Audio Formats	LPCM [2.0/2.1]CH, Dolby 5.1, Dolby True HD, Dolby DD+, DTS 5.1, DTS-ES 6, DTS-HDMA 5.1, DTS HD-HRA 5.1

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ESD Protection	Human-body Model: $\pm 8\text{kV}$ (Air-gap discharge) , $\pm 4\text{kV}$ (Contact discharge)
Connections	
Input ports	1 \times HDMI Type A [19-pin female]
Output ports	2 \times HDMI Type A [19-pin female] 1 \times L/R Audio out [3.5mm Stereo Mini-jack] 1 \times Optical out [S/PDIF]
Mechanical	
Housing	Metal Enclosure
Color	Black
Dimensions	120mm(W) \times 60mm(D) \times 14mm(H)
Weight	166g
Power Supply	Input: AC100~240V 50/60Hz, Output: DC5V/1A (US/EU standards, CE/FCC/UL certified)
Power Consumption	2.8W (max)
Operating Temperature	0° C ~ 40° C / 32° F ~ 104° F
Storage Temperature	-20° C ~ 60° C / -4° F ~ 140° F
Relative Humidity	20~90% RH (non-condensing)

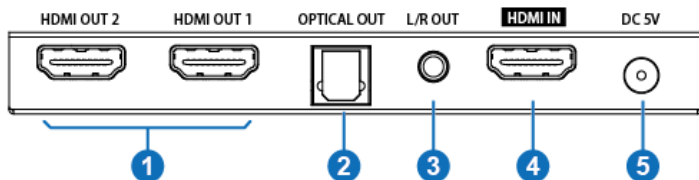
5. Operation Controls and Functions

5.1 Front Panel



Number	Name	Function description
1	POWER LED	This blue LED will illuminate when the unit has connected power supply.
2	HDMI INPUT LED	This blue LED will illuminate when the HDMI IN has connected an active HDMI source device with a HDMI cable.
3	HDMI OUTPUT LED	These blue LEDs will illuminate when the HDMI OUT port has connected an avtice display device with a HDMI cable.
4	SERVICE port	Fireware update used. (Manufacturer use only.)
5	EDID	<p>AUTO: Compare OUT 1 and OUT 2 displays EDID setting, then output the best resolution to source device, the source will transmit the signal again to all outputs.</p> <p>COPY: Copy the HDMI OUT 1 port EDID setting to source device, the source device will transmit again the signal to all outputs.</p>
6	Dial switch (4K→1080P)	<p>OFF: When the dial switch is dialled in ‘OFF’ position, signal input and output is bypass status.</p> <p>ON: When the dial switch is dialled in ‘ON’ position, signal input will downscale(4k->1080P) output.</p>

5.2 Rear Panel



Number	Name	Function description
1	HDMI OUTPUT	Connect to HDMI display device such as TV or monitor.
2	OPTICAL OUT	Optical audio output.
3	L/R OUT	Analog audio output.
4	HDMI IN	Connect to HDMI source device such as DVD player or PS4.
5	DC 5V	Plug the 5V/1A DC power supply into the unit and connected the adapter to an AC outlet.

6. Application Example

