

DVDO



DVDO-Splitter-14

1x4 4K@60Hz 444 HDR HDMI Splitter w/ Scaler

User Manual

Version: V1.0.0



Important Safety Instructions

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|--|--|--|---|
| | <p>1. Do not expose this apparatus to rain, moisture, dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.</p> | | <p>6. Clean this apparatus only with dry cloth.</p> |
| | <p>2. Do not install or place this unit in a bookcase, built-in cabinet or in another confined space. Ensure the unit is well ventilated.</p> | | <p>7. Unplug this apparatus during lightning storms or when unused for long periods of time.</p> |
| | <p>3. To prevent risk of electric shock or fire hazard due to overheating, do not obstruct the unit's ventilation openings with newspapers, tablecloths, curtains, and similar items.</p> | | <p>8. Protect the power cord from being walked on or pinched particularly at plugs.</p> |
| | <p>4. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.</p> | | <p>9. Only use attachments / accessories specified by the manufacturer.</p> |
| | <p>5. Do not place sources of naked flames, such as lighted candles, on the unit.</p> | | <p>10. Refer all servicing to qualified service personnel.</p> |

Table of Contents

Introduction	5
Features	5
Package Contents	5
Specifications	6
Panel Description	6
Installation and Wiring	8
Troubleshooting	9
Warranty Terms and Conditions	10

Introduction

This product is a 1 x 4 HDMI splitter with scaler, reliably distributes one HDMI input signal to four outputs at resolutions up to 4K@60Hz 4:4:4 chroma subsampling. It supports HDCP 2.2 and HDMI 2.0b specifications. With the built-in scaler, when connected to different displays, the corresponding HDMI output is capable of scaling down automatically (down to 1080P) to feed an optimal output signal to its attached display.

Features

- Distributes one HDMI input signal to four HDMI displays.
- Supports HDMI 2.0b Specifications, including:
 - ✓ Data rates up to 18.0 Gbps
 - ✓ HDR and 3D
 - ✓ HD lossless audio formats
- HDCP 2.2 compliant.
- Each HDMI output supports scaling down to 1080P individually (fps will not change during scaling down from 4K to 1080P).
- Automatic input cable equalization for signal regeneration compensation.

Package Contents

Before you start the installation of the product, please check the package contents as below:

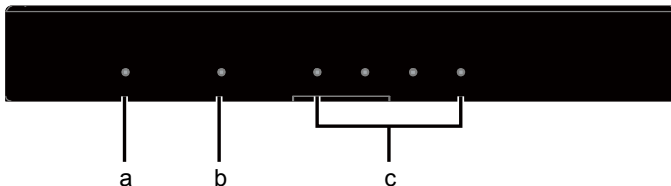
- Splitter x 1
- DC 5V 1A Power Adapter (with US, UK, EU, AU Pins) x 1
- Mounting Brackets (with Screws) x 2
- User Manual x 1

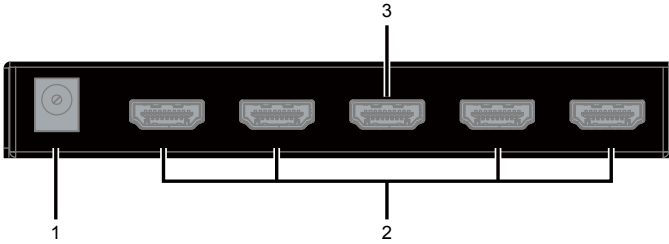
Specifications

Technical	
Input/Output Signal Type	HDMI with 4K@60Hz 4:4:4, HDCP 2.2, HDR, 3D, Scaler
Input/Output Resolution Supported	Up to 4096x2160@60Hz, including 4K@60Hz /4K@30Hz/1080P/1080i/720P
Deep color	4K: 8/10/12 bits 1080P: up to 16 bit
Maximum Data Rate	18 Gbps
Maximum Pixel Clock	600MHz
Audio Format Supported	Fully supports audio formats in HDMI 2.0 specification, including PCM, Dolby TrueHD, Dolby Atmos, DTS-HD Master Audio, DTS:X

General	
Operating Temperature	0°C to 45°C (32°F to 113°F)
Storage Temperature	-20°C to 70°C (-4°F to 158°F)
Humidity	10% to 90%, non-condensing
ESD Protection	Human-body Model: ±8kV (Air-gap discharge)/ ±4kV (Contact discharge)
Power Supply	DC 5V 1A
Power Consumption (Max)	4K: 1.8W 1080P: 1.1W
Device Dimensions (W x H x D)	140mm x 20mm x 65.2mm/ 5.51" x 0.79" x 2.57"
Product Weight	0.24kg/0.53lb

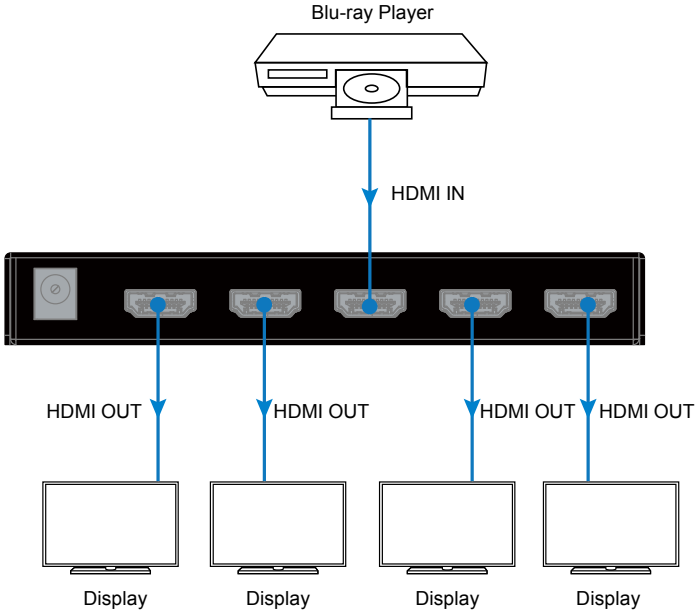
Panel Description





No.	Name	Description
a	Power LED	On/Off: The device is powered on/off.
b	HDMI IN LED	On: HDMI signal is detected on the HDMI input. Off: No HDMI signal is detected on the HDMI input.
c	HDMI OUT LED (1-4)	On: An HDMI display is connected to the HDMI output. Off: No HDMI display is connected to the HDMI output.
1	DC 5V	Connect to the power adapter.
2	HDMI OUT (1-4)	Connect to up to four HDMI display devices.
3	HDMI IN	Connect to an HDMI source device.

Installation and Wiring



Note: Before wiring, disconnect the power from all devices.

Troubleshooting

1. No Power

- Ensure the device is powered on.
- Ensure you use the power adapter provided in the package.

2. No Picture or Video Flash

- Ensure all devices are powered on, and all cables are qualified and connected properly.
- Ensure all the LED indicators are normal.
- When connecting source to display directly, ensure they can work properly.
- Ensure the input resolution is supported by the device.
- Ensure the input resolution is within 4K@30Hz when Dolby vision signal is input.

3. HDR Video Not Supported

Ensure the source and all displays support HDR. If any display doesn't support HDR, all outputs will not support HDR video.

4. Surround Audio Not Supported

Ensure the source and all displays support surround. If one display supports stereo only, all displays will output stereo audio.

Warranty Terms and Conditions

For the following cases we shall charge for the service(s) claimed for the products if the product is still remediable and the warranty card becomes unenforceable or inapplicable.

1. The original serial number (specified by us) labeled on the product has been removed, erased, replaced, defaced or is illegible.
2. The warranty has expired.
3. The defects are caused by the fact that the product is repaired, dismantled or altered by anyone that is not from an authorized service partner. The defects are caused by the fact that the product is used or handled improperly, roughly or not as instructed in the applicable User Guide.
4. The defects are caused by any force majeure including but not limited to accidents, fire, earthquake, lightning, tsunami and war.
5. The service, configuration and gifts promised by salesman only but not covered by normal contract.
6. We preserve the right for interpretation of these cases above and to make changes to them at any time without notice.

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