



# HDMI 4K 1-4

Video Splitter



# USER MANUAL



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## Safety

- Use the power adapter packed with the product or other power adapters approved by Pixelhue Technology Ltd.
- The device should be located at a place free from humidity, high temperature, dust, corrosion and oxidizing gases to avoid damage.
- All components should be handled with care. Shock, knock, falling or collision should be avoided.
- Disconnect the power cord when the device is not used for a long time.
- Do not remove the device cover by yourself. Do not touch any components inside the device.

## Change History

Version	Release Date	Description
V1.0.0.0	2020-07-22	First release

Website: [www.pixelhue.com](http://www.pixelhue.com)

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# 1 Overview

## 1.1 Positioning

The HDMI 4K 1-4 is a 4K video splitter with outstanding performance, excellent stability and high definition.

This splitter supports 1x HDMI 2.0 input and 4x HDMI 2.0 real-time outputs. The resolutions of both its input and outputs can be up to 4Kx2K@60Hz. The input and output resolutions are the same.

This splitter is easy to use and supports plug and play. It is applicable to any devices with HDMI connectors and supports various set-top boxes, DVD players, player boxes and so on.

## 1.2 Features

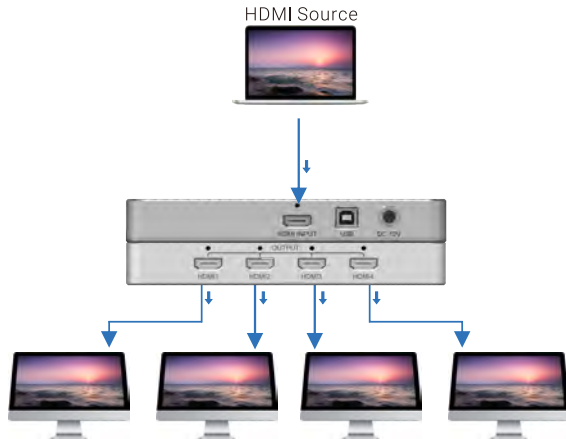
- Supports input and output resolutions up to 4Kx2K@60Hz.
- Features the same timing of the input and output with up to Ultra HD 4K resolution.
- Supports 3D video source input.
- Supports up to 4:4:4 10-bit input.
- OLED display can display the input and output statuses in real time.
- Supports three EDID setting methods: standard, custom and EDID learning.
- Supports HDCP.
- Supports plug and play of both input and output, with no drivers required.
- Adopts metal heatsink design.
- Supports program update using a USB drive.
- Supports various certifications, such as RoHS.

# 2 Appearance



Input	Description
HDMI	HDMI 2.0 video source input
Button	Description
OLED display	Display the current device status and menu items.
Enter	Enter the menu and confirm the operation.
Back	Exit the current operation.
▲	Move the cursor up.
▼	Move the cursor down.
Output	Description
HDMI 1-4	HDMI 2.0 video source output
Control	Description
USB	Connect to the control computer for program update.

# 3 Applications

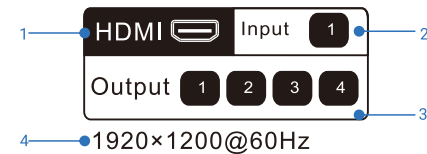


# 4 Operations

## 4.1 Button Description

- Enter: Enter the menu and confirm the operation.
- Back: Exit the current operation.
- ▲ : Move the cursor up.
- ▼ : Move the cursor down.

## 4.2 Home Screen

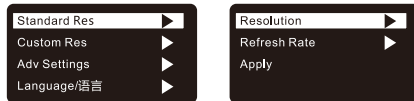


No.	Description
1	Show the device type and connector style.
2	Indicate the status of the input connector.
3	Indicate the statuses of the four output connectors.
4	Display the input resolution.

### 4.3 Menu Operations

You can change the input source resolution using the HDMI 4K 1-4 video splitter. Select **Standard Res** or **Custom Res** to change the input resolution. When you have completed all the settings, move the cursor to **Apply** and press **Enter** to make the settings take effect; otherwise, the changes will not take effect.

#### Standard Resolution



The supported standard resolutions are 1024×768, 1280×720, 1280×1024, 1366×768, 1440×900, 1536×768, 1600×1200, 1920×1080, 1920×1200, 2048×1080, 2560×1080, 2560×1600, 3840×1080 and 3840×2160.

The supported refresh rates are 24 Hz, 25 Hz, 30 Hz, 48 Hz, 50 Hz, 56 Hz, 60 Hz, 72 Hz, 75 Hz and 85 Hz.

#### Custom Resolution

Press **▲** and **▼** to set a custom width (increasing by even numbers), custom height and custom refresh rate.



#### Advanced Settings

Advanced settings include **EDID Learning**, **Factory Reset**, **HW Ver** and **SW Ver**.



- **EDID Learning**: Automatically learn the resolution of the output device.
- **Factory Reset**: Reset the device to its factory settings.
- **HW Ver**: Check the version of the PCB board.
- **SW Ver**: Check the version of the software.

#### Language/语言

The supported languages are English and Chinese. You can change either language as required.



# 5 Specifications

## 5.1 Specifications

HDMI Input	Description
Quantity	1
Standard	HDMI 2.0 connector supports HDCP 2.2 and HDCP 1.4.
HDMI Output	Description
Quantity	4
Standard	HDMI 2.0 connector supports HDCP 2.2 and HDCP 1.4.
Control	Description
USB	Connect to the control computer for program update.
Overall Specifications	Description
Power supply	DC 12 V
Power consumption	2 W
Operating temperature	0°C to +50°C
Storage temperature	-10°C to +60°C
Operating humidity	10% RH to 90% RH, noncondensing
Dimensions	185.0 mm × 118.1 mm × 28.9 mm
Material	Metal
Net weight	470 g

### Note:

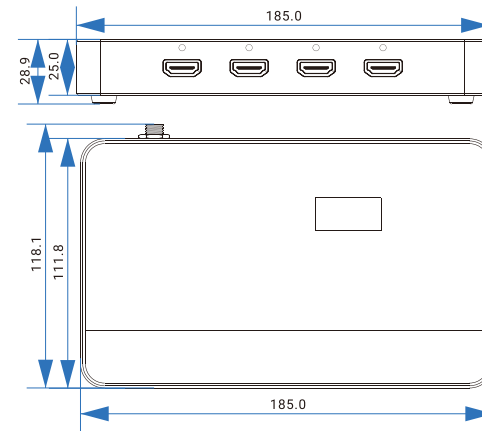
The data is tested by the Pixelhue Technology Ltd lab. The test data may differ due to the influence of environment and cable material, and the actual working environment shall prevail. The specifications of Ethernet cable and video cable used by the lab test are as follows.

#### Video cable: 28AWG core

The positive and negative terminals of the power supply are as follows.



## 5.2 Dimensions



Tolerance: ±0.3 Unit: mm

### 5.3 Packing List



HDMI 4K 1-4



4-plug 12V 2A  
power adapter



USB cable



User Manual



Customer  
Letter

# 6 Troubleshooting

#### Q1: No image output

- Step 1 Check whether the cables are properly connected.
- Step 2 Check whether the connections of the input and output HDMI cables are loose.
- Step 3 Make sure the resolution of HDMI signal source is within the supported resolution range.
- Step 4 Disconnect and then reconnect the power cord of the HDMI 4K 1-4 video splitter.

#### Q2: No HDR effect on output image

- Step 1 Check whether the input source supports HDR.
- Step 2 Check whether the HDR function of input source is enabled.

#### Exhibition

