WOXCON

CE-DA14-H2

1x4 HDMI 2.0 Splitter

Statement

Thanks for purchasing this product, please read this user manual carefully before using this product. In the constant effort to improve our product, we reserve the right to make functions or parameters changes without notice or obligation.

Safety Precaution

- Do not dismantle the housing or modify the module to avoid electrical shock or burn.
- Using supplies not meeting the products' specifications may cause damage, deterioration or malfunction.
- Do not expose the unit to rain, moisture or install this product near water.
- Install the device in a place with fine ventilation.
- Do not twist or pull by force ends of the optical cable. It can cause malfunction.
- Do not use liquid or aerosol cleaners to clean this unit.
- Always unplug the power to the device before cleaning.
- Unplug the power when not used for a long period of time.
- Refer all servicing to qualified service personnel.

After-sales Service

We provide limited warranty for the product within three years.

Packing List

- 1x 1x4 HDMI 2.0 Splitter
- 1x Power Adapter (5V DC 1A)
- 1x User Manual

Note: Please contact your distributor immediately if any damage or defect in the components is found.

Product Introduction

Thanks for choosing the 1x4 HDMI 2.0 Splitter, which can distribute one HDMI input to four outputs. The splitter supports HDMI video resolution up to 4K@60Hz 4:4:4 and supports passing EDID information from the display, there is a built-in Down-scaling setting can be selected by the 2-pin DIP switch on the front panel. Moreover, the splitter supports convenient firmware upgrade through Micro-USB port.

Features

- Supports up to 4K/60Hz 4:4:4, HDR10 and Dolby Vision.
- HDCP 2.3 compliant.
- Built-in signal equalizer, provides capability to use longer range HDMI cable.
- EDID copy priority follows Output1>Output2>Output3> Output4.
- Supports 4K to1080p down-scaling up to all outputs.
- Scaler mode selection by front panel 2-pin switch.
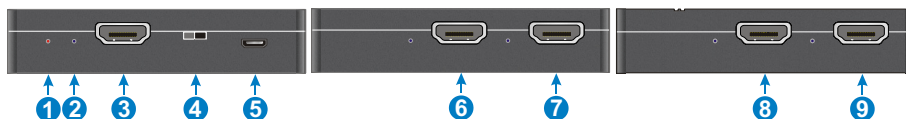- Supports CEC.
- Convenient firmware upgrade.

Specification

Video Input	
Input	(1) HDMI
Input Connector	(1) Type-A female HDMI
HDMI Input Resolution	Up to 4K@60Hz 4:4:4 8bit
HDMI Standard	2.0
HDCP Version	up to HDCP2.3
CEC	Supported
Video Output	
Output	(4) HDMI
Output Connector	(4) Type-A female HDMI
HDMI Output Resolution	Up to 4K@60Hz 4:4:4
CEC	Supported

Control	
Control Part	(1) Micro-USB port
General	
HDMI 2.0 Cable Length	4K@60Hz 4:4:4 ≤ 5m, 4K@60Hz 4:2:0 ≤ 10m, 1080p ≤ 15m
Operation Temperature	-10℃ ~ +55℃
Storage Temperature	-25℃ ~ +70℃
Relative Humility	10%-90%
Power Supply	Input:100V~240V AC; Output: 5V DC 1A
Power Consumption	2.6W
Dimension (W*H*D)	85mm x 85mm x 18mm
Net Weight	75g

Note: Please adopt high-qualified HDMI cable fully compliant with HDMI 2.0 for reliable transmission and connection.

Panel Description

① **POWER LED:** The LED illuminates red when power is applied.

② **INPUT LED:** The LED illuminates blue when there is HDMI input.

③ **INPUT:** Type-A female HDMI input port to connect the HDMI source.

④ **SCALER ON/OFF:** Turn on or off the down-scaling function.

⑤ **FW:** Micro-USB port for firmware upgrade..

⑥~⑨ **OUTPUT LEDS:** Four LEDS illuminate blue when there are HDMI outputs.

OUTPUTS: Four type-A female HDMI output ports to connect HDMI displays.

Video Resolution Down-scaling

The product supports video resolution down-scaling, the 4K input can be automatically degraded to 1080p output for compatibility with 1080p display, shown in the below chart.

	Input			Output	
#	Resolution	Refresh	Color Space	Downscale	1080p Specs
1	3840x2160	60	4:4:4	Support	1080p@60Hz 4:4:4
2	3840x2160	30	4:4:4	Support	1080p@30Hz 4:4:4
3	3840x2160	24	4:4:4	Support	1080p@24Hz 4:4:4
4	3840x2160	60	4:2:0	Support	1080p@60Hz 4:4:4
5	3840x2160	30	4:2:0	Support	1080p@30Hz 4:4:4
6	3840x2160	24	4:2:0	Support	1080p@24Hz 4:4:4
7	3840x2160	60	4:2:2	Not Support	N/A
8	3840x2160	30	4:2:2	Not Support	N/A
9	3840x2160	24	4:2:2	Not Support	N/A

Firmware Upgrade

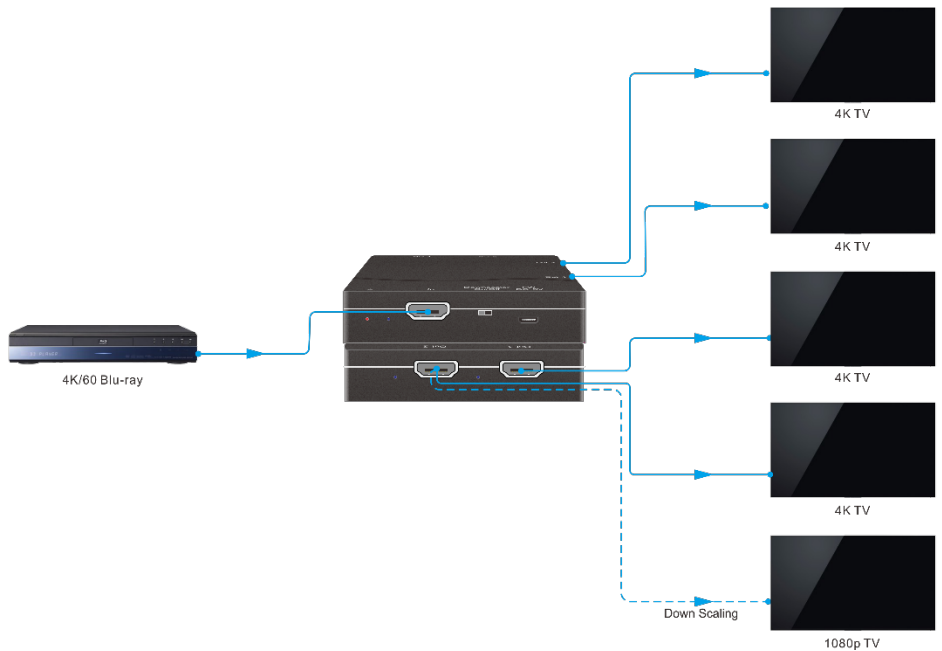Please follow the below steps to upgrade firmware by the Micro-USB port:

1) Connect the splitter to the PC with USB cable.

2) Power on the splitter, and then the PC will automatically detect a U-disk named of "BOOTDISK".

3) Double-click to open the U-disk, a file named of "READY.TXT" will be showed.

4) Copy the latest upgrade file (.bin) to the "BOOTDISK" U-disk directly.

5) If the filename "READY.TXT" automatically turns to "SUCCESS.TXT", the firmware was upgraded successfully. If the firmware upgrade failed, please check the file (.bin) and then follow the above procedure to operate again.

6) Remove the USB cable after firmware upgrade.

System Connection

Usage Precaution

- Make sure all components and accessories included before installation.
- System should be installed in a clean environment with proper temperature and humidity.
- All of the power switches, plugs, sockets, and power cords should be insulated and safe.
- All devices should be connected before power on.

System Diagram

Panel Drawing