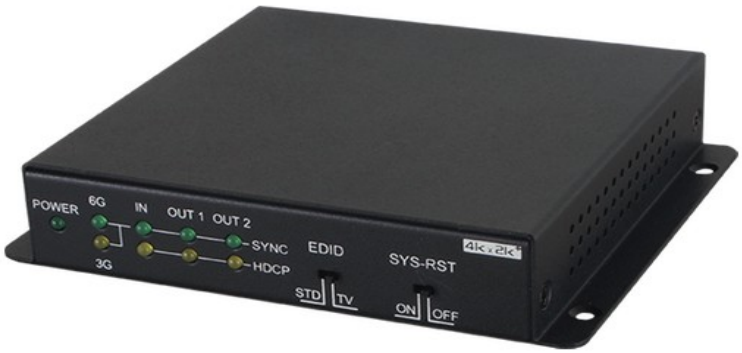
1 Input 2 Output 4K2K HDMI 6G Splitter - # 15408



Operation Manual

CONVERTERS.TV

Introduction

The 1 by 2 HDMI Splitter with HDCP 2.2 is advanced solution for splitting a single HDMI input to 2 HDMI outputs. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz (YUV444) resolution and is capable of provide high quality of audio and video performance. It supports high resolution digital audio formats such as LPCM 7.1CH, Dolby TrueHD, Dolby Digital Plus, Dolby Atmos and DTS-HD Master Audio, audio sampling rate up to 192kHz. There are input and outputs indications on panel, which will illuminate when detected, system reset function allows the unit trigger TV to device's HDMI input immediately.

Applications

- Entertainment Room / Home Theater
- Show Room / Demo Room
- Lecture Room/Hall Presentation
- Show Room/Demo Room
- Public Commercial Display

Features

- HDMI 2.0 with 4Kx2K 6G supported, HDCP 2.2 and DVI compliant (Not support Deep color and Color space YCbCr 422/444)
- 1 HDMI input and 2 HDMI outputs
- System Reset function supported(CEC active source command)
- Displays any of 1 Ultra High-Definition sources on 2 UHDTV displays simultaneously
- 3D pass-Through
- Supports UHDTV resolutions up to 4Kx2K (3840x2160@24/25/30/50/60 & 4096x2160 @24/25/30/60)
- Supports LPCM 2/5.1/7.1CH, Dolby Digital 2~5.1CH, DTS 2~5.1CH, Dolby TrueHD, Dolby Atmos and DTS-HD Master Audio
- HDCP 2.2 and HDCP1.4 compliant
- Input port EDID support Standard and TV mode

Note: *When displaying HDMI 4Kx2K signal, equivalent source signal, output display and HDMI cables are required in order to secure the best image display*

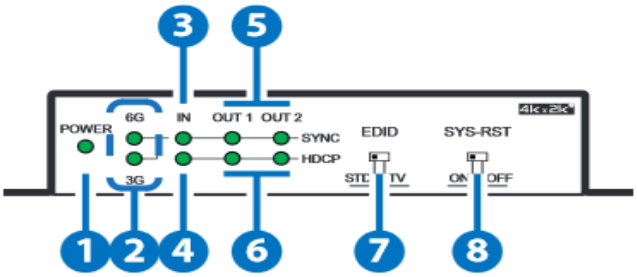
System Requirements

Input source equipments such as Blu-ray/DVD/PS3 player or Set-Top-Box or any 6G with HDCP2.2 source. And output with 6G HDMI TV/Display and or audio amplifier with connection cables.

Note: *To achieve 6G performance will need to collocation with particular HDMI cable to get the better quality.*

Operation Controls and Functions

Front Panel



1. POWER:
This LED will illuminate when the device is connected to an active power supply.

2． 6G/3G:
When input source bandwidth is 6G, the 6G LED will illuminate, when input source detect as 3G, the 3G LED will illuminate.

3． IN SYNC:
When input detected, the LED will illuminate, the LED will flicker when detected abnormal, for example, when source signal not stabled, and when input is not connected, the LED light will off.

4． IN HDCP:
When Input HDCP has been detected, the LED will illuminate, the LED will flicker when HDCP abnormal, for example when HDCP version is not supported, and when no HDCP detected, the LED will off.

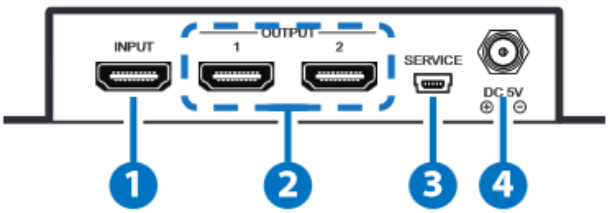
5． OUT 1~2 SYNC:
When output detected, the LED will illuminate, the LED will flicker when detected abnormal, for example, when output connected but the output sense is off, and when output is not connected, the LED will off.

6． OUT1~2 HDCP:
When output HDCP working, the LED will illuminate, the LED light flicker when HDCP abnormal, for example, when HDCP version is not supported, and when no HDCP detected, the LED will off.

7． EDID:
Switch the dip could choose EDID mode to Standard (STD) mode or TV mode. When on TV mode, the unit will automatically detect and store output 1 sink EDID data, if switch to STD mode and reboot the unit, the unit will search the suitable resolution out of all connected display and with standard 1080p and PCM 2 channel.

8． SYS-RST:
Switch the dip from off to on, the unit will trigger TV to it's HDMI input immediately, when dip stays in on, the unit will trigger cycle in every 8~10 minutes. (*The purpose of reset is to guarantee output display the corresponding image, for example, at the display user use may switch to different HDMI input or other sources connected to display and this reset function will force the display to switch back to the HDMI input which TV shall support CEC.)

Rear Panel



1. INPUT:

Connect with HDMI source equipment such as DVD/Blu-ray players and or PC/Laptop devices.

2. OUTPUT 1~2:

Connect to HDMI TV / display or HD amplifier for output display.

3. SERVICE:

This is reserved for firmware update use only.

4. DC 5V:

Connect the adapter which included in the package and connect to AC wall outlet for power supply.

Specifications

Video Bandwidth	600MHz/18Gbps
Input Ports	1×HDMI, 1×USB (Service only)
Output Ports	2×HDMI
HDMI Resolutions	VGA~WUXGA (RB), 408i~1080p@24/50/60, 4K@24/25/30, 4K@50/60 (YUV444)
HDMI Cable Distance	15m@1080p/8-bit, 10m@1080p/12-bit, 5m@4K
Power Supply	5V/2.6A DC (US/EU standards, CE/FCC/UL certified)
ESD Protection	Human body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)
Dimensions	128mm(W)×117mm(D)×30mm(H)/Jack Included
Weight	358g
Chassis Material	Metal
Color	Black
Operating Temperature	0℃~40℃/32℉~104℉
Storage Temperature	−20℃~60℃/−4℉~140℉
Relative Humidity	20~90% RH (non-condensing)
Power Consumption	3.42W

Note: *HDMI cable distance might affected by material or design of cable.*

Supported Resolutions

Resolutions	Input	Output
640×480@60/72/75/85	√	√
720×400@85	√	√
800×600@56/60/72/75/85	√	√
1024×768@60/70/75/85	√	√
1152×864@75	√	√
1280×720@60	√	√
1280×768@60/75/85	√	√
1280×800@60	√	√
1280×960@60	√	√
1280×1024@60	√	√
1360×768@60	√	√
1366×768@60	√	√
1400×1050@60	√	√
1440×900@60	√	√
1600×900@60	√	√
1600×1200@60	√	√
1680×1050@60	√	√
1920×1080@60	√	√
1920×1200@60	√	√
1920×1440@60	√	√
2560×1600@60	√	√
1440×576i@50	√	√
1440×480i@59.94/60	√	√
720×480p@59.94/60	√	√
720×576p@50	√	√
1280×720p@50/59.94/60	√	√
1920×1080i@50/59.94/60	√	√
1920×1080p@23.97/24/25/29.97/30/50/59.94/60	√	√
3840×2160@24/25/30/50/60	√	√
4096×2160@24/25/30/50/60	√	√