Comprehensive
Connectivity Company

CDA-HD820EK

HDMI 1 x 8 Splitter with HDCP 2.2 - 4K@60 (YUV420)

User manual

Introduction

This 1 by 8 HDMI UHD Splitter with HDCP 2.2 is an advanced solution for splitting a single HDMI input to eight HDMI outputs. It provides high performance audio and video output through HDMI cables up to 4K2K@60Hz (YUV420) resolution and is capable of receiving and transmitting up to 9Gbps of bandwidth with no data loss. Supporting the latest features you can be assured of reliable and high quality HDMI distribution.

Package

UHD 1x8 HDMI Splitter----------1Pcs
5V/2A DC power adaptor----------1Pcs
User manual----------1Pcs

Feature

- Compliant with HDMI2.0, HDCP2.2 and DVI 1.0;
- Support video format up to 4k2k@30Hz with 24bit RGB/YcbCR 4:4:4/YCBCR 4:2:2,and up to 4k2k@60Hz with 12bit YCBCR 4:2:0;
- Support 3D frame sequential video format up to 1080p@60;
- Support high resolution VESA mode video format up to QSXGA@60Hz;
- Support LPCM 7.1CH, Dolby TrueHD, and DTS-HD Master Audio;
- Support smart EDID control;

Specification

Video Bandwidth	300MHz/10.2 Gbps
Input Ports	1 x HDMI (Female type)
Output Ports	8 x HDMI (Female type)
Output Resolution	480i ~1080p50/60, 4Kx2K@24/30, 4k2k@60Hz with 12bit YCBCR 4:2:0,VGA~UXGA
ESD Protection	Human Body model: ±8 kV (air-gap discharge) ±4 kV (contact discharge)

Power Supply	5 V/2A DC
Dimensions	84 mm (W) × 235mm (D) × 17 mm (H)
Weight	360 g
Chassis Material	Metal
Silkscreen Color	Black
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)
Power Consumption	3.5W

Connect and Operate

Connect the signal sources such as Blu-Ray Player, Play Station 3, satellite receivers and computers equipped with HDMI output interfaces with a short high-speed HDMI cable to the HDMI Splitter input.
Connect the HDMI outputs from the HDMI Splitter to high-definition display devices such as HD-LCD, HD-DLP and HD projectors with HDMI input interfaces. Use high-speed HDMI cables that are recommended for the distances that are required for each connection.
The Splitter is powered by an external power supply which is included. Connect power first to the source, then to the Splitter and then to each HD TV or projector.

1.POWER LED: This blue LED illuminated when the device is connected with power supply.
2.IN LED: This blue LED illuminated when the Source connect to the device.
3.OUT LED: These blue LEDs will light up to indicate which HDMI outputs are connected to an active TV/display/monitor.
4.SERVICE: Manufacturer use only.

5.EDID STD: When in 'STD' mode, the unit will use its own built-in EDID settings. In this mode, the video output will be set to 1080p@60Hz and the audio output at LPCM 2CH Stereo. Use this mode if there are display problems in TV Mode.
6.EDID TV: When in 'TV' mode, the unit will read the EDID settings of the display device connected to HDMI OUT 1. If it detects a 4K2K capable EDID setting it will transmit the signal in that format to all outputs. If no 4K2K capable EDID is detected then the unit will output the best resolution that all displays can support.

1.HDMI OUT 1~8: Connect each of the HDMI outputs to an HDMI display for simultaneous HDMI distribution, or cascade the output to another transmitter to extend the operating distance.
2.HDMI IN: Connect the input port to the HDMI or DVI output of your source device such as a DVD player or set-top box with an HDMI cable.
3.DC 5V: Plug the 5V DC power supply into the unit and connected the adaptor to an AC outlet.