

# 1x1 HDMI 1.3 Repeater

**Operation Manual**



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## **1. Introduction**

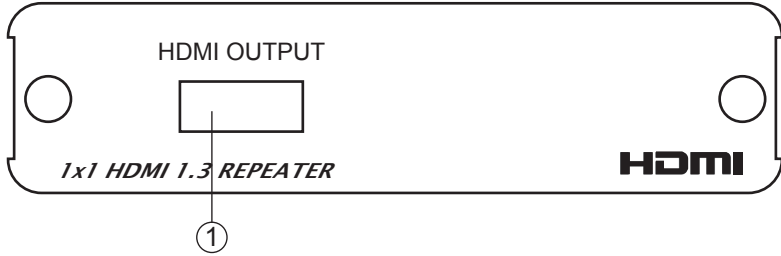
The HDMI v1.3 Distribution Amplifier Series is the most advanced solution to HDMI signal distribution. Each product in this series is compatible to HDMI v1.3 specifications, a cutting-age technology which defines the support to transfer Deep Color (10-bit and 12-bit ) video and new lossless compressed (Dolby TrueHD, Dolby Digital Plus and DTS-HD Master Audio) digital audio, with a high bandwidth up to 225MHz (6.75Gbps). Besides splitting and distributing, the HDMI v1.3 DA series also does signal amplification and equalization, so as to provide high performance I/O of audio and video. Each of the buffered output can run up to 30 meters and can be cascaded.

## **2. Features**

- HDMI 1.3, HDCP1.1 and DVI1.0 compliant Receiver.
- Deep color video up to 12bit, 1080p@60Hz.
- One HDMI source to connect to one HDMI display simultaneously.
- HDCP keysets allows each output to work independently when connecting to a HDMI display.
- Split a HDMI source to one output without signal loss.
- Supports DVI source and DVI display by using HDMI to/from DVI adaptor cable.
- Dolby Digital, DTS digital audio transmission (32-192 kHz Fs sample rate).
- Supports a wide range of PC and HDTV resolutions from VGA to UXGA and 480i to 1080p.
- HDMI cable distance test with 1080p resolution: Input/Output source can run up to 30M/5.1CH.
- Full HDCP Compliant.

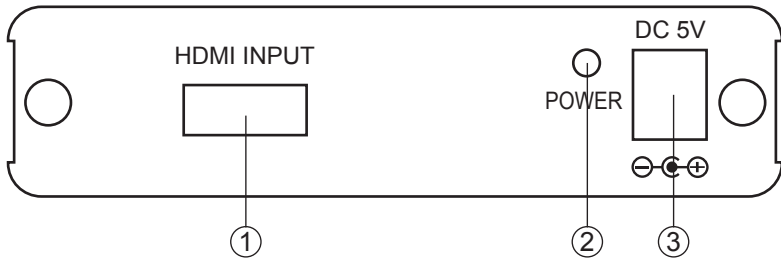
### 3. Operation Controls and Functions

#### 3.1 Front Panel



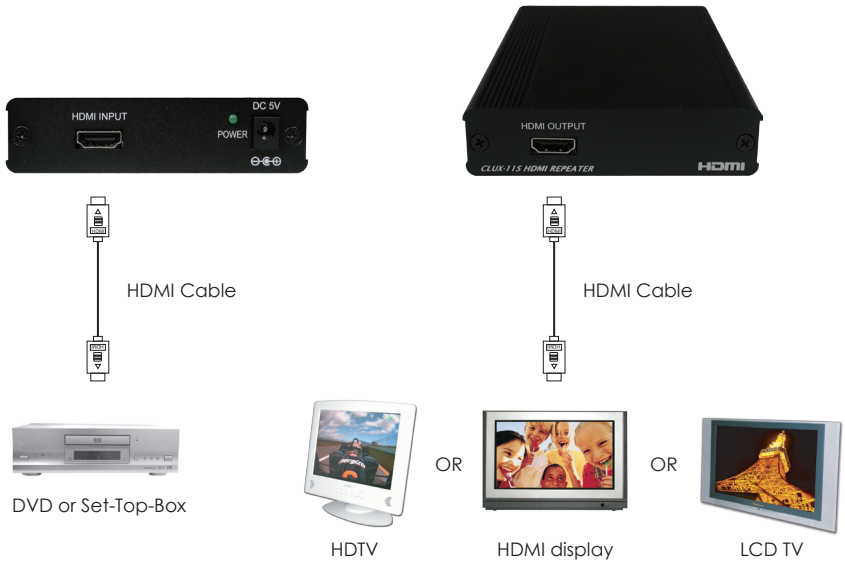
- ① HDMI Output: Connect output port to the HDMI display.

#### 3.2 Rear Panel



- ① HDMI Input: Connect input port to the HDMI or DVI output of your source equipment such as DVD player or set-top-box.
- ② POWER Indicator: The power LED will illuminate when power on.
- ③ Power: Plug the 5V DC power supply into this unit and connect the adaptor to AC wall outlet.

## 4. Connection and Installation



## 5. Specifications

|                       |  |
|-----------------------|--|
| Frequency bandwidth   | 2.25Gbps (single link)                         |
| Input port            | 1 x HDMI female port (Type A connector)        |
| Output port           | 1 x HDMI female port                           |
| Power Supply          | 5VDC/1A (US/EU standards, CE/FCC/UL certified) |
| Dimensions (mm)       | 100(W) x 147(D) x 25(H)                        |
| Weight(g)             | 300  |
| Chassis Material      | Aluminum                                       |
| Silk Skin Color       | Black  |
| Operating Temperature | Operating from 0°C ~ 48°C                      |





## 6. Cypress HDMI v1.3 Series:

| Product   | Description                                |
|-----------|--|
| CLUX-11S  | 1x1 HDMI V1.3 Repeater                     |
| CLUX-12S  | 1x2 HDMI V1.3 Splitter                     |
| CLUX-14S  | 1x4 HDMI V1.3 Splitter                     |
| CLUX-18S  | 1x8 HDMI V1.3 Splitter                     |
| CLUX-21SY | 2x1 HDMI V1.3 Switcher                     |
| CLUX-31S  | 3x1 HDMI V1.3 Switcher                     |
| CLUX-31SY | 3x1 HDMI V1.3 Switcher                     |
| CLUX-41SY | 4x1 HDMI V1.3 Switcher                     |
| CLUX-41AT | 4x1 HDMI V1.3 Switcher with Digital Audio  |
| CLUX-42S  | 4x2 HDMI V1.3 Switcher                     |
| CLUX-110S | 1x10 HDMI V1.3 Splitter                    |
| CLUX-210S | 2x10 HDMI V1.3 Splitter                    |
| CLUX-210T | 2x10 HDMI V1.3 Splitter with Digital Audio |



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