

# 18Gbps HDMI to USB-C Converter



**User Manual**

**VER 1.0**

## **Thank you for purchasing this product**

For optimum performance and safety, please read these instructions carefully before connecting, operating or adjusting this product. Please keep this manual for future reference.

## **Surge protection device recommended**

This product contains sensitive electrical components that may be damaged by electrical spikes, surges, electric shock, lighting strikes, etc. Use of surge protection systems is highly recommended in order to protect and extend the life of your equipment.

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## 1. Introduction

This HDMI to USB-C Converter has 1 HDMI INPUT, 1 HDMI LOOP OUT and 1 USB-C OUTPUT, which can convert HDMI signal to USB-C signal with video resolution up to 4K2K@60Hz 4:4:4. It can work normally without micro USB power supply if the connected USB-C display is powered on.

This converter can be widely used in video conference, multi-media broadcasting and other related occasions.

## 2. Features

- ☆ HDMI 2.0b, HDCP 2.2, and DVI 1.0 compliant
- ☆ Support 18Gbps HDMI video bandwidth
- ☆ Video resolution up to 4K@60Hz 4:4:4
- ☆ Output supports DP1.2
- ☆ Up to 7.1CH audio pass-through, supporting PCM, Dolby TrueHD, DTS-HD Master Audio
- ☆ Compact in design, plug and play

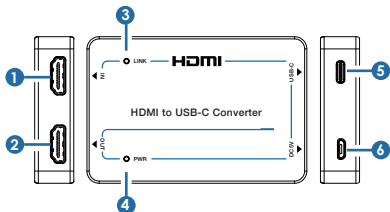
## 3. Package Contents

- ① 1× HDMI to USB-C Converter
- ② 1× USB Shielded Cable (USB-A to Micro USB, 1m)
- ③ 1× User Manual

## 4. Specifications

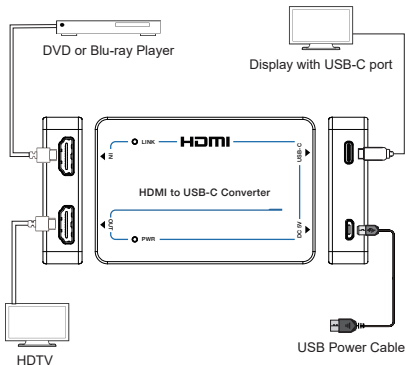
| Technical             |                                                                                                                                                                                                |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| HDMI Compliance       | HDMI 2.0b                                                                                                                                                                                      |
| HDCP Compliance       | HDCP 2.2                                                                                                                                                                                       |
| Video Bandwidth       | 594MHz/18Gbps                                                                                                                                                                                  |
| Video Resolution      | <b>HDMI input:</b> Up to 4K@60Hz 4:4:4<br><b>HDMI Loop out:</b> 480i ~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz<br><b>USB-C output:</b> 480p60Hz, 576p50Hz~1080p50/60Hz, 4Kx2K@24/30Hz, 4K2K@60Hz |
| Color Depth           | 8/10/12-bit                                                                                                                                                                                    |
| Color Space           | RGB, YCbCr 4:4:4 / 4:2:2, YUV 4:2:0                                                                                                                                                            |
| Audio Format          | Up to 7.1CH audio pass-through, supporting PCM, Dolby TrueHD, dts-HD Master Audio                                                                                                              |
| Connection            |                                                                                                                                                                                                |
| Input                 | 1×HDMI IN [Type A, 19-pin female]                                                                                                                                                              |
| Outputs               | 1×HDMI OUT [Type A, 19-pin female]<br>1×USB-C [24-pin female]                                                                                                                                  |
| Mechanical            |                                                                                                                                                                                                |
| Housing               | Plastic Enclosure                                                                                                                                                                              |
| Color                 | Black                                                                                                                                                                                          |
| Dimensions            | 90mm[W] × 60mm[D] × 16mm[H]                                                                                                                                                                    |
| Weight                | 49g                                                                                                                                                                                            |
| Power Supply          | USB 5V / 1A                                                                                                                                                                                    |
| Power Consumption     | 3.2W (Max)                                                                                                                                                                                     |
| Operation Temperature | 32 - 104°F / 0 - 40°C                                                                                                                                                                          |
| Storage Temperature   | -4 - 140°F / -20 - 60°C                                                                                                                                                                        |
| Relative Humidity     | 20 - 90% RH (no condensation)                                                                                                                                                                  |

## 5. Operation Controls and Functions



| No. | Name             | Function Description                                                                                                    |
|-----|------------------|-------------------------------------------------------------------------------------------------------------------------|
| 1   | HDMI IN          | HDMI signal input port, connect to a source device via the HDMI cable.                                                  |
| 2   | HDMI OUT         | HDMI signal loop out port, connect to a display device such as TV via the HDMI cable.                                   |
| 3   | LINK LED (Green) | The link LED lights in green when the HDMI LOOP OUT port or USB-C port outputs signals to the connected display device. |
| 4   | PWR LED (Green)  | The power LED lights in green when the device is powered on.                                                            |
| 5   | USB-C OUT        | USB-C signal output port, connect to a display device with USB-C port.                                                  |
| 6   | DC 5V            | DC 5V/1A power input port.                                                                                              |

## 6. Application Example



**HDMI™**  
HIGH DEFINITION MULTIMEDIA INTERFACE

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