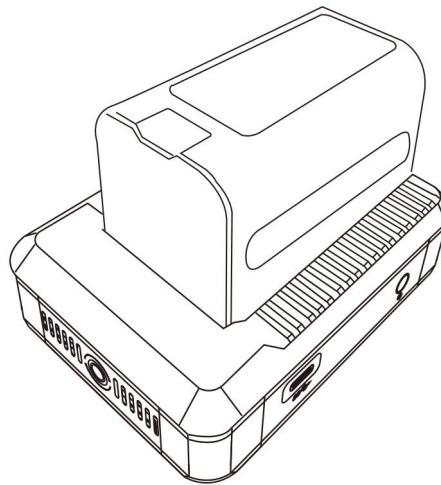


## CT-B1 UVC to HDMI Converter

### User Manual



### 1. Product Introduction

The CT-B1 UVC to HDMI Converter is a versatile, multi-functional device that integrates video capture, signal conversion, and power management. It efficiently captures UVC signals from compatible cameras, processes them internally, and outputs a high-quality 4K/30Hz HDMI signal, making it an ideal solution for live streaming, recording, and various video applications.

## 2. Key Features

**High-Definition Conversion:** Converts UVC video signals from USB cameras (like DJI Pocket 3, Action 4, Action 5) to a pristine 4K/30Hz HDMI output.

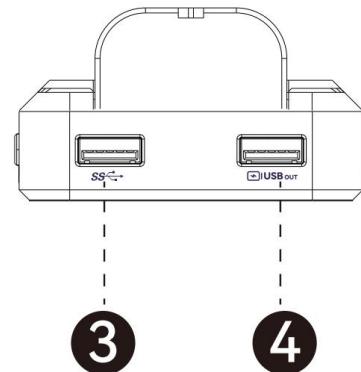
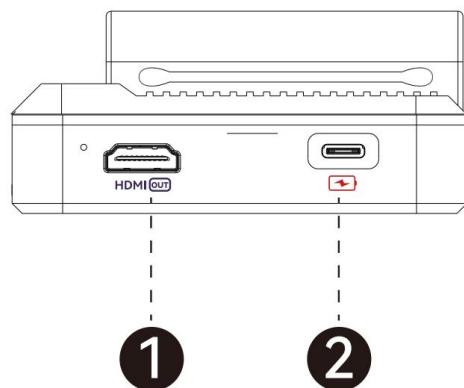
**Simultaneous Device Charging:** Provides pass-through charging for the connected DJI Pocket 3, ensuring extended operation without interrupting your session.

**Multi-Purpose Power Bank:** Features a USB-A output port to charge other peripheral devices (e.g., smartphones, microphones).

**Dedicated Battery Charger:** Can simultaneously charge DJI F550 or F970 batteries, serving as a portable power management hub.

## 3. Interface & Controls

Please refer to the diagrams below for the location of all interfaces and controls.

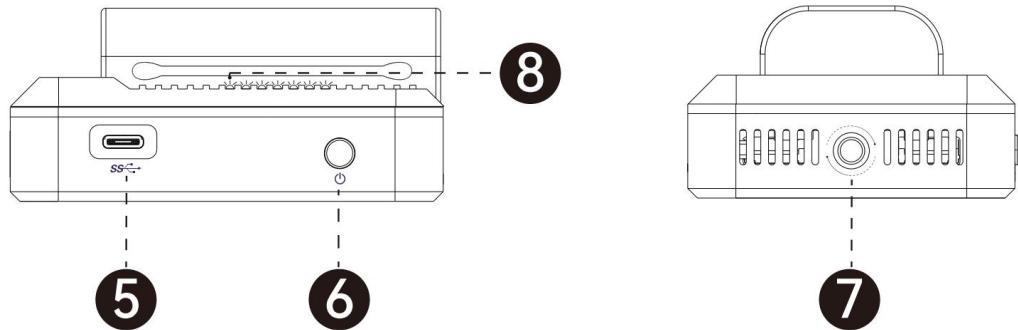


**1)HDMI OUT:** Outputs ultra-high-definition 4K/30Hz video signal.

**2)DC IN (Charging Port):** Power input port for charging the device and providing system power. (Input: 5V/2A, 9V/2A, or 12V/2A).

**3)USB-A (Input):** Connects to USB cameras or DJI Pocket 3 for UVC video signal input.

**4)USB-A (Output):** Functions as a 5V/2A power bank to charge other devices.

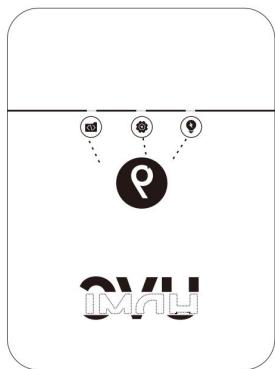


**5)Type-C (Input):** Connects to USB cameras or DJI Pocket 3 for UVC video signal input and charging.

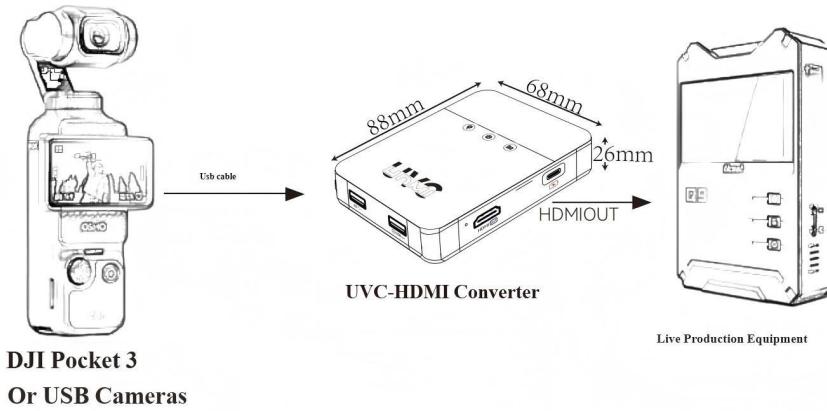
**6)Power Button:** Press and hold for 2 seconds to turn the device on or off.

**7)Cold Shoe Mount:** Standard mount for attaching accessories like microphones or lights.

**8)Battery Level Indicator:** Displays the current battery level and charging status.



**9) Status Indicator:** Shows system status for power, operation, and signal conversion.



## 4. Operation Guide

**Charging the Device:** Connect a compatible power adapter (see specifications) to the **DC IN** port to charge the internal battery.

**Powering On:** Press and hold the **Power Button** for 2 seconds. The Battery Level Indicator and Status Light will turn on.

**Video Conversion:** Connect your USB camera or DJI Pocket 3 to either the **USB-A (Input)** or **Type-C (Input)** port.

Connect an HDMI cable from the **HDMI OUT** port to your display, monitor, or capture card.

The device will automatically recognize the source and begin conversion. The Status Light will indicate a successful connection.

**Charging Other Devices:** Use a standard USB cable to connect your device to the **USB-A (Output)** port to utilize its power bank function.

## 5. Technical Specifications

<b>Model</b>	CT-B1
<b>Input Interfaces</b>	USB-A (UVC), Type-C (UVC)
<b>Output Interfaces</b>	HDMI OUT, USB-A (Power)
<b>Power Input</b>	DC IN (5V/2A, 9V/2A, 12V/2A)
<b>Max. Output Power</b>	20W
<b>Video Resolution</b>	3840 x 2160 @ 30Hz (4K/30Hz)
<b>Video Standards</b>	HDMI 2.0, USB 3.0
<b>Decoding Format</b>	MJPEG
<b>Compatibility</b>	UVC 1.1, UVC 1.5 protocols
<b>Operating Temperature</b>	0°C to 55°C
<b>Operating Humidity</b>	20% to 55% RH

<b>Device Dimensions</b>	90 x 68 x 26 mm
<b>Product Weight</b>	[Weight to be filled]
<b>Package Dimensions</b>	220 x 110 x 32 mm

## 6. Package Contents

CT-B1 UVC to HDMI Converter x 1

USB-Type-C Cable x 1

User Manual x 1

Warranty Card x 1