



USER MANUAL ^{V1.0}



4K 30Hz UVC to HDMI Converter JTD-3268 | JTECH-UHC-4K30

J-TECH DIGITAL INC.
9807 EMILY LANE
STAFFORD, TX 77477
TEL: 1-888-610-2818



E-MAIL: SUPPORT@JTECHDIGITAL.COM

Scan the QR code below or visit <https://www.jtechdigital.com/product/3268> to view and access detailed digital resources regarding this unit.



Safety Instructions:

- Before using this product, please carefully read the following safety instructions to ensure its proper use and keep this manual for future reference:
- To prevent electric shock, do not attempt to open the product.
- Only qualified personnel should perform any repairs or maintenance.
- Always place the product on a stable, flat surface to prevent it from falling.
- Do not expose the product to water, moisture, or high-humidity environments to avoid the risk of damage.
- To prevent damage from direct sunlight or high temperatures, do not expose the product to such environments.
- Do not place the product near heat sources like radiators, heat registers, stove, or other heat-producing apparatus.
- Do not place any objects on top of the product to avoid damage.
- Use only the attachments and accessories specified by the manufacturer.
- During lightning storms or prolonged periods of disuse, unplug the power supply to prevent damage.

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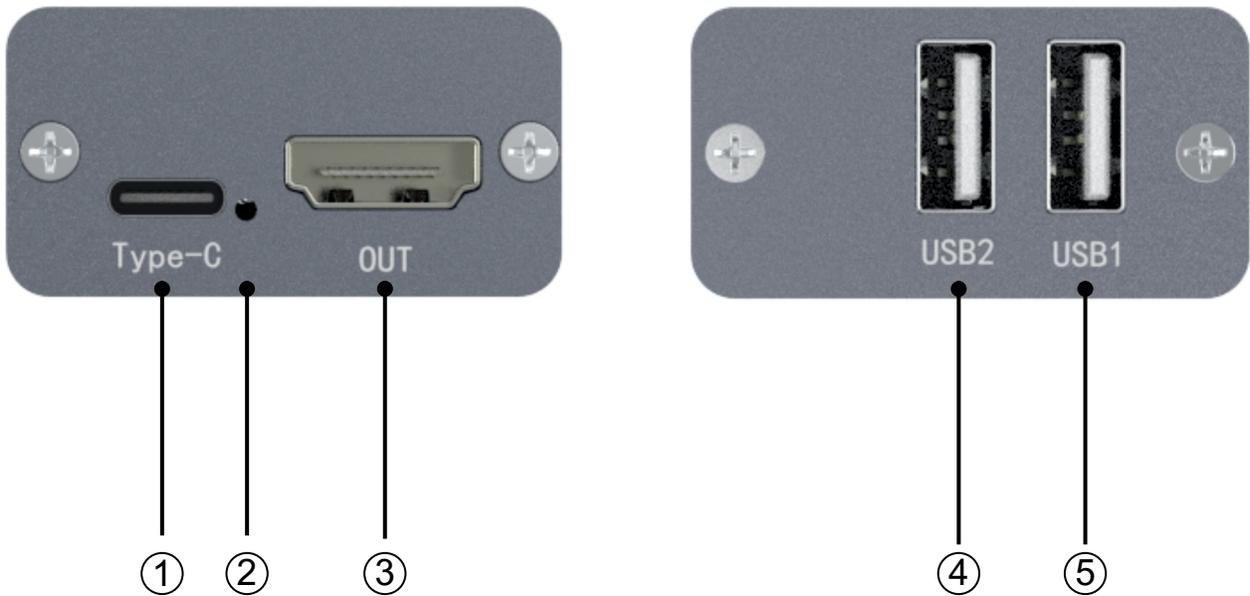
1. Introduction

The UVC to HDMI converter allows you to convert a camera signal that supports the UVC protocol into an HDMI output. This output can be displayed on a monitor, TV, large screen, broadcast station, HDMI capture card, or other HDMI-compatible devices.

Key Features:

- Simultaneously charges your camera for extended use.
- Connect a USB mouse to adjust settings such as output resolution, audio output, color saturation, and other parameters.
- Compatible with popular USB cameras including:
 - DJI Pocket 3, DJI Action 4, DJI Action 5, Insta360 X3, Insta360 X5, Logitech USB cameras, Hikvision USB cameras, and more.

2. Product Interface



① Type-C power port 5V/2A

② Indicator light

③ HDMI Output

④ UVC or Mouse Connection

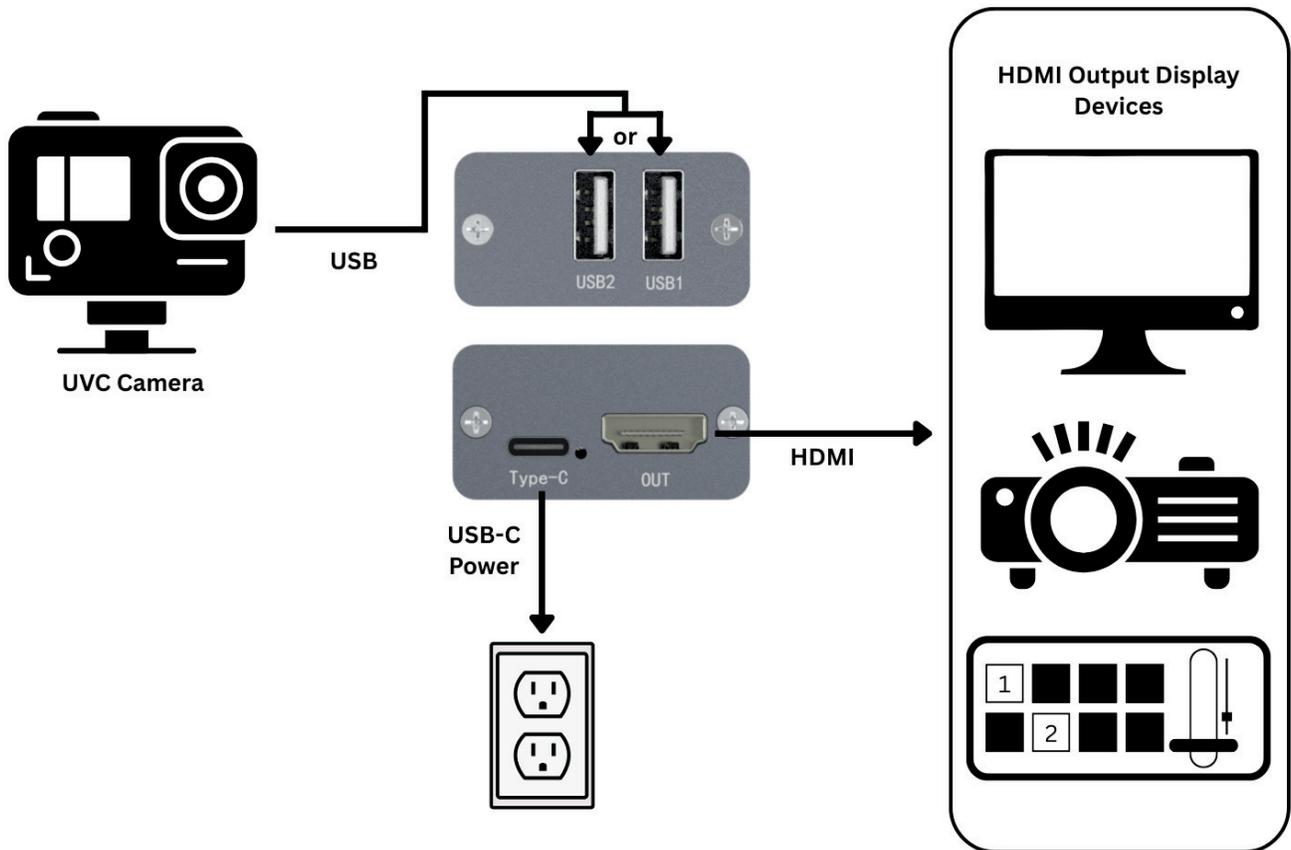
⑤ UVC or Mouse Connection

Indicator Light Status:

- Blue light flashes once every 2 seconds: No HDMI, USB1, or USB2 devices connected
- Blue light flashes once every second: Camera connected but no HDMI display connected
- Blue light flashes every 300ms: HDMI connected, but no camera detected
- Steady blue light: All connections functioning properly

3. Application

- Plug your source UVC camera's USB cable into the converter's USB1 or USB2 port
- Connect your display device (monitor/TV, video transmission device, video switcher, capture card etc.) to the converter HDMI Out port via an HDMI cable
- Power the device via the Type-C power port



4. Setting Video Parameters

Connect a USB mouse to an available USB port. Use the on-screen display (via HDMI) to adjust settings including:

- Output resolution
- Vertical screen mode
- Image rotation
- Color saturation and other parameters

After adjustments, click Save in the bottom-left corner to store your configuration.

5. Firmware Upgrade

1. Copy the upgrade file (do not extract) to a USB flash drive.
2. Insert the flash drive into any USB port on the device.
3. Power on the device and wait approximately 5 minutes for the upgrade to complete.

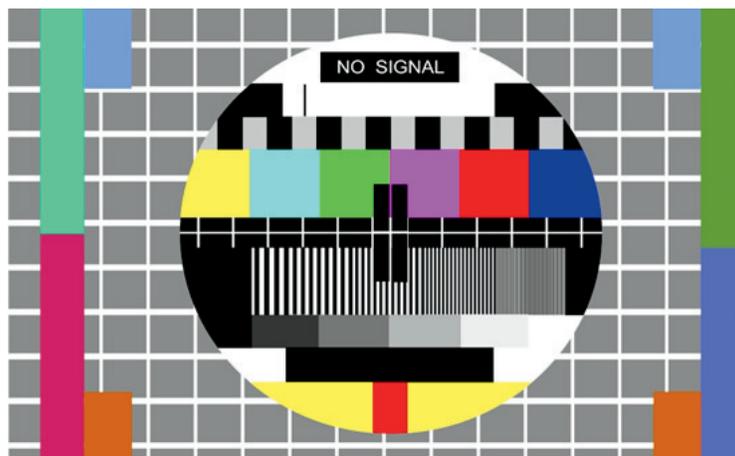
Important:

- Do not power off the device or remove the flash drive during the upgrade process.
- After completion, use a mouse to verify the new version number in the bottom-left corner of the settings menu.
- If the version is updated, you may safely remove the flash drive.

6. Troubleshooting

• No Signal on Display

- Indicates the video source is not being captured.
- Verify if the data cable between PK3 and our device is used.
- If the customer is using their own cable, replace it with the one provided in our kit.



- **Black Screen on Display/Capture Card:**

- Check if the Type-C port is powered.
- If the screen remains black after power connection:
 - Ensure the HDMI cable is not connected to the computer host; connect it directly to the computer display or the HDMI IN port of the capture card (avoid HDMI OUT).

- **Persistent Black Screen (Non-Resolving):**

- Disconnect all cables except the Type-C cable.
- Observe the indicator light:
 - **Blue light flashing:** System has booted successfully.
 - **No light:** System malfunction.
- Contact customer support for assistance in either case

7. Technical Specifications

Video Input	UVC
Input Resolution	3840x2160P30 (downward compatible)
Video Output	HDMI
Output Resolution	Same as input resolution
Mouse Access	For parameter adjustment
Power Supply	DC 5V / 2A
Power Consumption	< 2W
Operating Temperature	-20° ~ 60°C
Humidity	< 90%, non-condensing
Dimensions	6.8 x 4.3 x 2.2 (cm)
Weight	50g

8. Maintenance

Clean this unit with a soft, dry cloth. Never use alcohol, paint thinner, or benzine to clean.

9. Warranty

If your product does not work properly because of a defect in materials or workmanship, our company (referred to as “the warrantor”) will, for the length of the period indicated as below, “Parts and Labor (1) Year”, which starts with the date of original purchase (“Limited Warranty period”), at its option either (a) repair your product with new or refurbished parts, or (b) replace it with a new or a refurbished product.

The decision to repair or replace will be made by the warrantor.

During the “Labor” limited warranty period, there will be no charge for labor. During the “Parts” warranty period, there will be no charge for parts. You must mail-in your product during the warranty period. This Limited Warranty is extended only to the original purchaser and only covers products purchased as new. A purchase receipt or other proof of original purchase date is required for Limited Warranty service.

10. Mail-In Service

When shipping the unit, carefully pack and send it prepaid, adequately insured, and preferably in the original carton. Include a letter detailing the complaint and provide a day time phone and/or email address where you can be reached.

11. Limited Warranty Limits and Exclusions

This Limited Warranty ONLY COVERS failures due to defects in material or workmanship, and DOES NOT COVER normal wear and tear or cosmetic damage. The Limited Warranty ALSO DOES NOT COVER damages which occurred in shipment, or failures which are caused by products not supplied by warrantor, or failures which result from accidents, misuse, abuse, neglect, mishandling, misapplication, alteration, faulty installation, set-up adjustments, mis-adjustment of consumer controls, improper maintenance, power line surge, lightning damage, modification, or service by anyone other than a Factory Service center or other Authorized Servicer, or damage that is attributed to acts of God.

There are no express warranties except as listed under “Limited Warranty Coverage”. The warrantor is not liable for incidental or consequential damages resulting from the use of this product or arising out of any breach of this warranty. (As examples, this excludes damages for lost time, cost of having someone remove or re-install an installed unit if applicable, travel to and from the service, loss of or damage to media or images, data or other recorded content. The items listed are not exclusive but are for illustration only). Parts and service, which are not covered by this limited warranty, are your responsibility.

HDMI™

HIGH-DEFINITION MULTIMEDIA INTERFACE

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9807 EMILY LANE

STAFFORD, TX 77477

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