BENESTON

UVC to HDMI Adapter

User's Manual

Model No.: UVB-4K

Note: UVC refers to USB cameras or devices that output video via USB

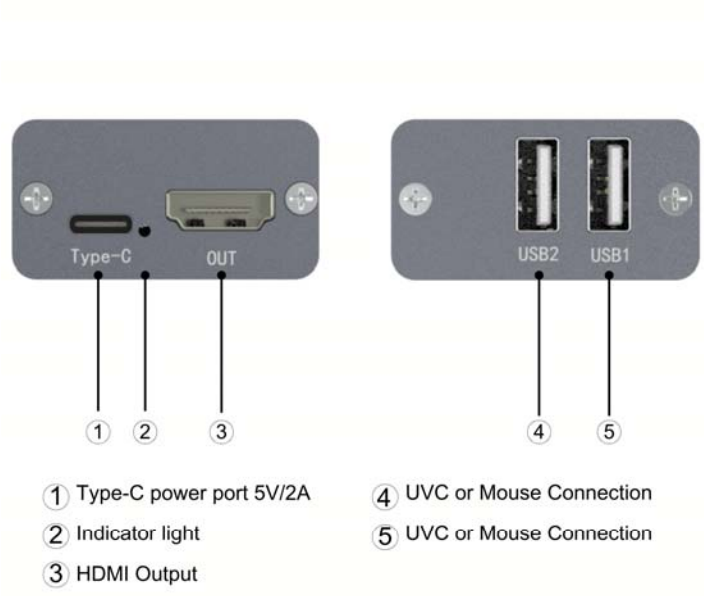
1. Product Introduction

The UVC to HDMI converter can convert the camera signal that supports the UVC protocol into HDMI output to the monitor, TV, large screen, broadcast station, image transmission, HDMI capture card and other devices that need HDMI signal.

Key Features:

- **USB Camera to HDMI Signal Converter**
- **Input resolution up to 3840×2160p (4K_30fps), backward compatible.**
- **HDMI video output with matching resolution.**
- **Supports Universal Video Class (UVC), plug-and-play with most systems.**
- **Supports mouse access for adjusting camera parameters conveniently.**
- **Power consumption is under 2W for energy efficiency.**

2. Product Interface



Indicator Light Status Explanation：

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

3. Application

1. Connected to monitor/TV

Plug the USB port plug of the UVC camera into the USB1 or USB2 port, connect the HDMI cable to the HDMI OUT, connect the other end of the HDMI cable to the monitor, and plug the Type-c charging cable into the Type-C port to power the device.

2. Connected to Video Transmission Device

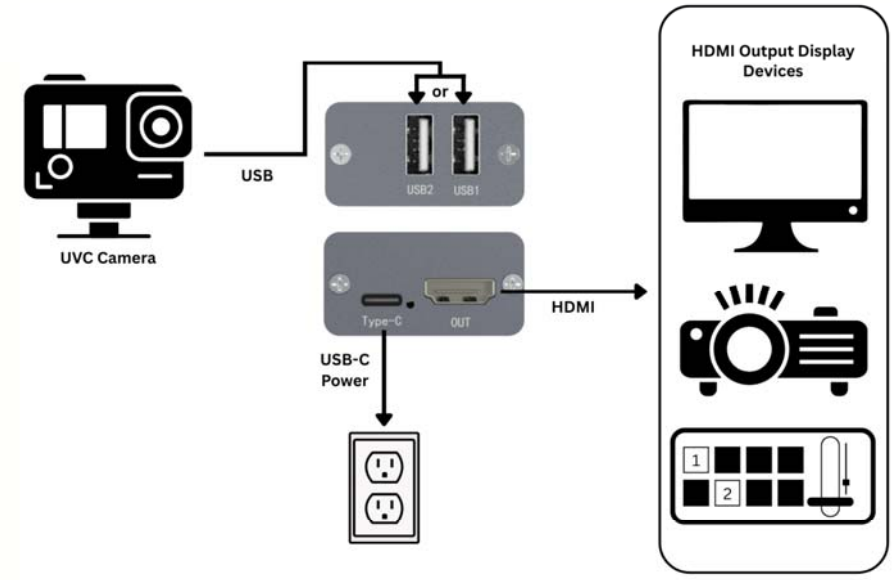
Plug the USB port plug of the UVC camera into the USB1 or USB2 port, connect the HDMI cable to the HDMI OUT, connect the other end of the HDMI cable to the video transmission, and plug the Type-c charging cable into the Type-C port to power the device. The video transmission terminal is then connected to our monitor or broadcast station.

3. Connected to Video Switcher

Plug the USB port plug of the UVC camera into the USB1 or USB2 port, connect the HDMI cable to the HDMI OUT, connect the other end of the HDMI cable to the Video Switcher, and plug the Type-c charging cable into the Type-c port to power the device.

4. Connected to Other HDMI capture devices

Plug the USB port plug of the UVC camera into the USB1 or USB2 port, connect the HDMI cable to the HDMI OUT, connect the other end of the HDMI cable to the HDMI capture card, and plug the Type-c charging cable into the Type-C port to power the device.



4. Setting Video Parameters

You can connect the mouse on another USB port, HDMI out display, adjust some parameters of video output such as:

- Output resolution
- Vertical screen mode rotation
- Color and other parameters after setting, click the lower left corner to save the 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.

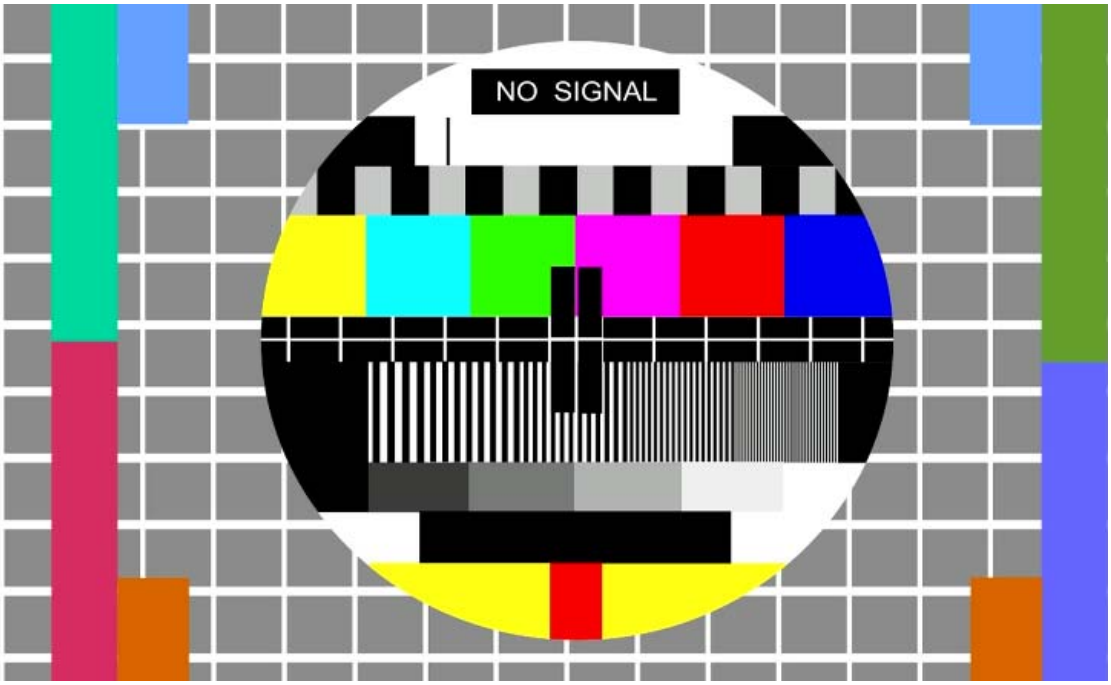
. After completion, use a mouse to verify the new version number in the bottom-left corner of the settings menu.

. If the version is updated, you may safely remove the flash drive.

6. Troubleshooting

1. 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.



2. Black Screen on Display/Capture Card:

- 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).

3. Persistent Black Screen (Non-Resolving):

- Disconnect all cables except the Type-C cable.
- Obsere the indicator light:

. **Blue light flashing:** System has booted successfully.

. **No light:** System malfunction.

- Contact customer support for assistance in either case.