

# UVC to HDMI Instruction (UVC2HDMI)

## 1.1 Product Introduction

(1) 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.

(2) At the same time, the camera can be charged, and the camera can be used for a long time.

(3) You can connect the mouse to set the output resolution, output sound, color saturation and other parameters of the camera.

(4) Compatible with mainstream USB cameras such as DJI pocket3/ DJI action4/DJI action5/Insta X3/Insta X3/Insta X5/Logitech USB camera/ Hikvision USB camera, etc.

## 1.2 API Introduction



① ② ③

① Type-C Power prot 5V2A

② light

③ HDMI output



⑤

④

④ UVC or mouse connection

⑤ UVC or mouse connection

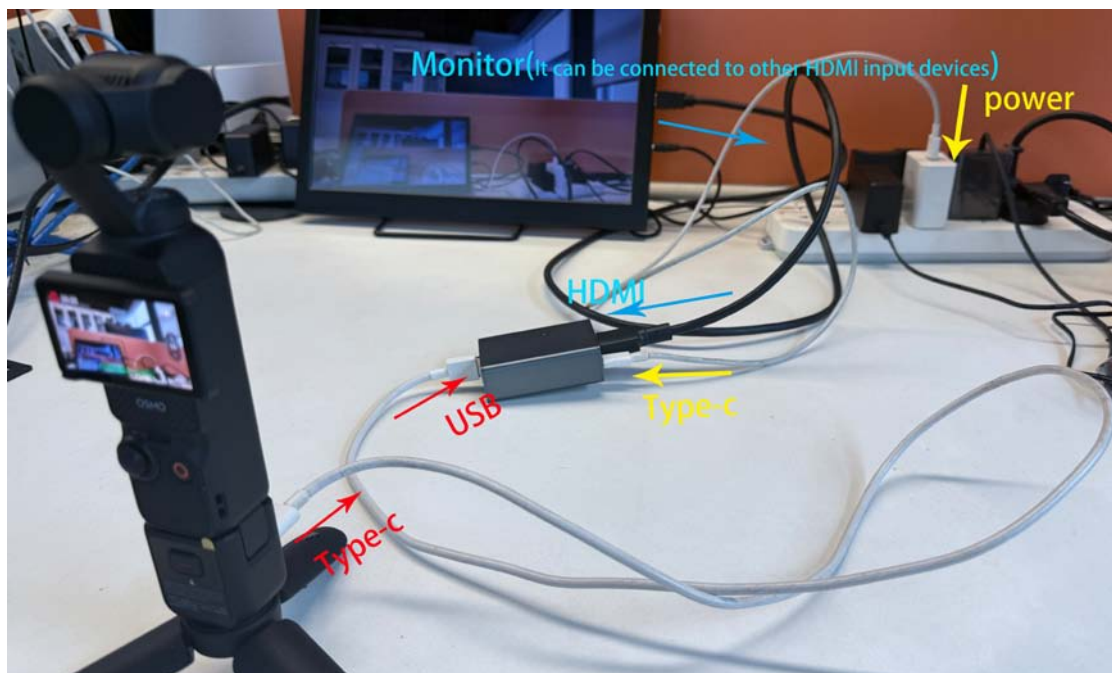
### Indicator Light Status Explanation:

1. HDMI, USB1, USB2 is not connected to the device, 2S flashes blue light once
2. HDMI is not connected, when the camera is connected to USB1 or USB2, 1S flashes a blue light
3. HDMI link, blue light flashes once every 300ms when the camera is not connected
4. The blue light is always on when all interfaces are connected normally

## 1.3 application

### 1.3.1 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 Typec charging cable into the Type-C port to power the device.



### 1.3.2 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 Typec charging cable into the Type-C port to power the device. The video transmission terminal is then connected to our monitor or broadcast station.



### 1.3.3 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 Typec charging cable into the Type-c port to power the device.



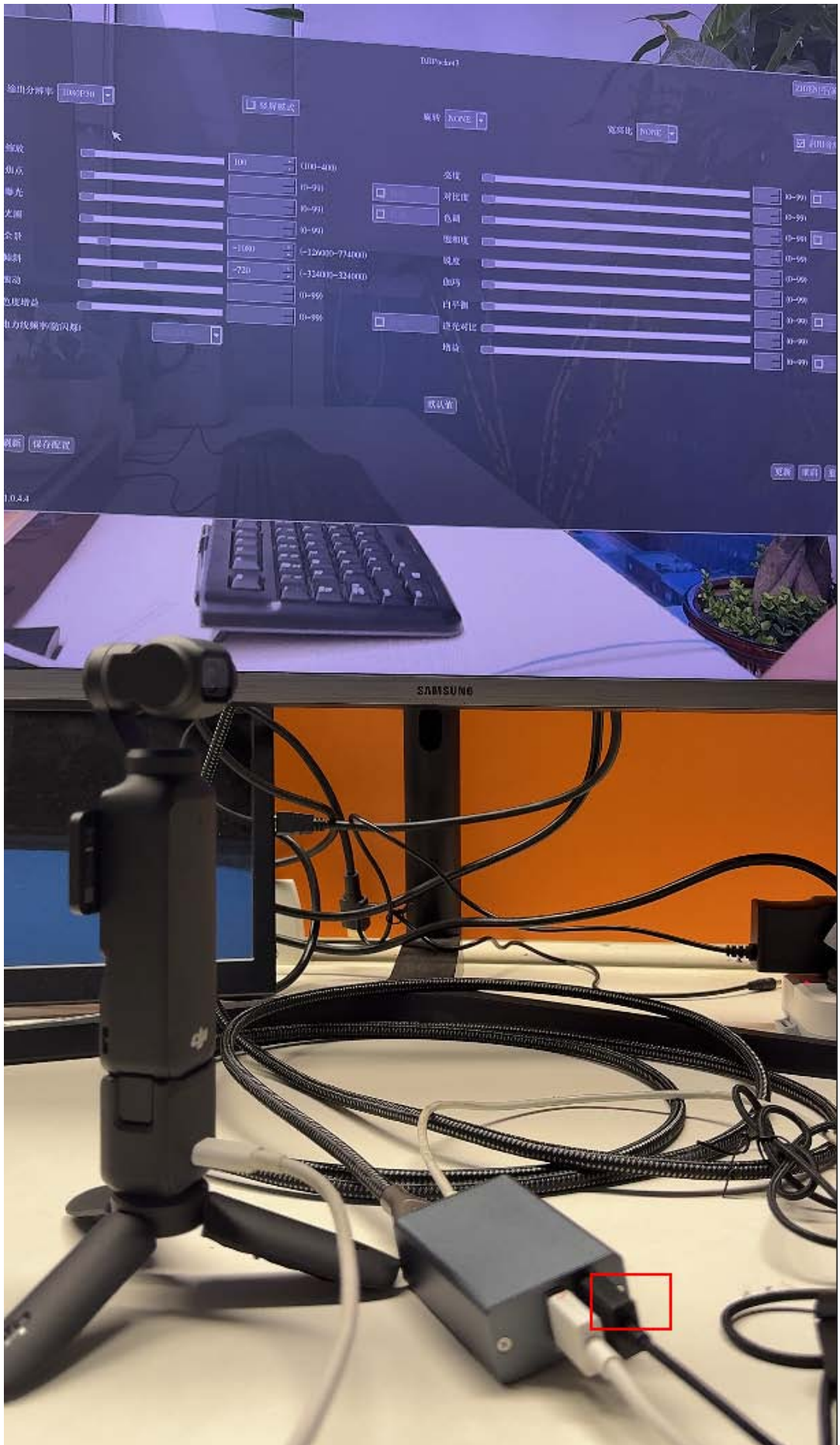
### 1.3.4 Connected to Other HDMI capture devices

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 Typec charging cable into the Type-C port to power the device.



### 1.4 Set the parameters

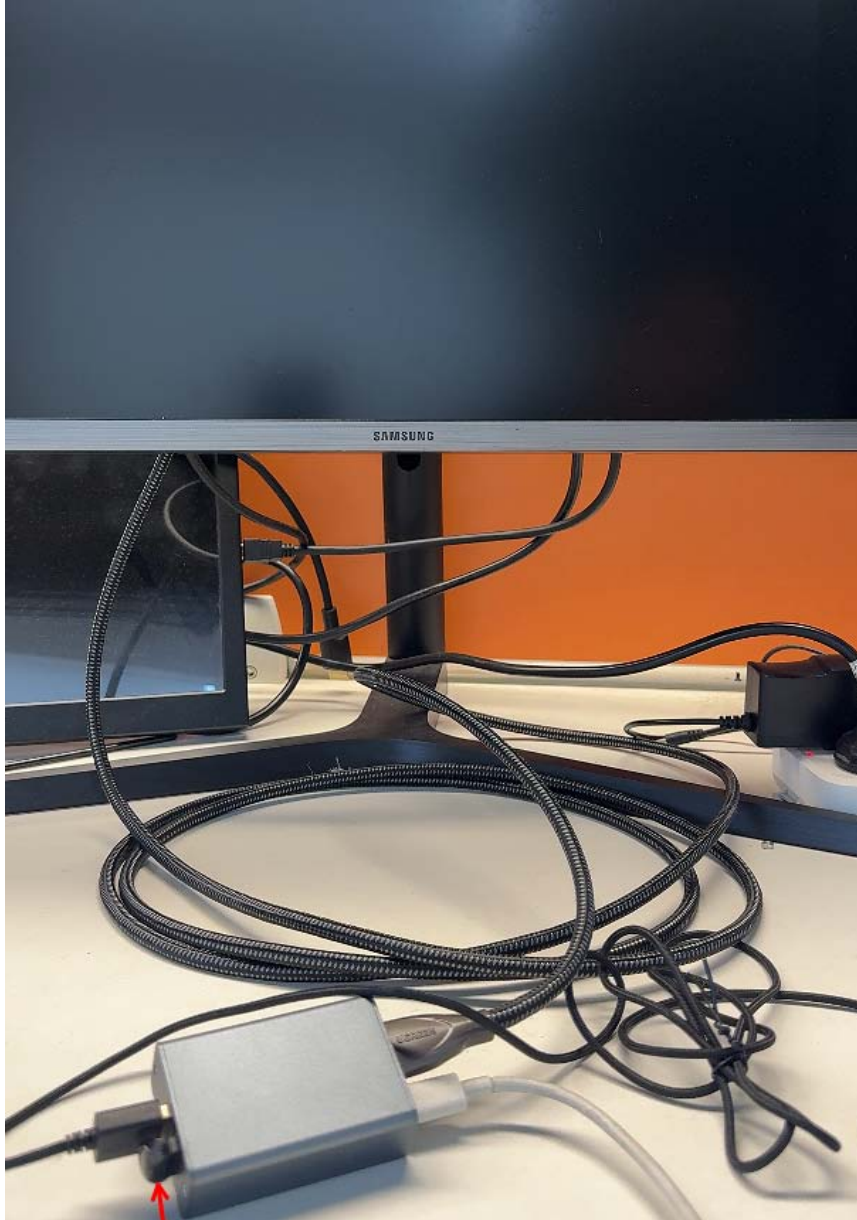
You can connect the mouse on another USB port, HDMI out display, adjust some parameters of video output such as: output resolution, vertical screen mode, rotation, color and other parameters, after setting, click the lower left corner to save the configuration.

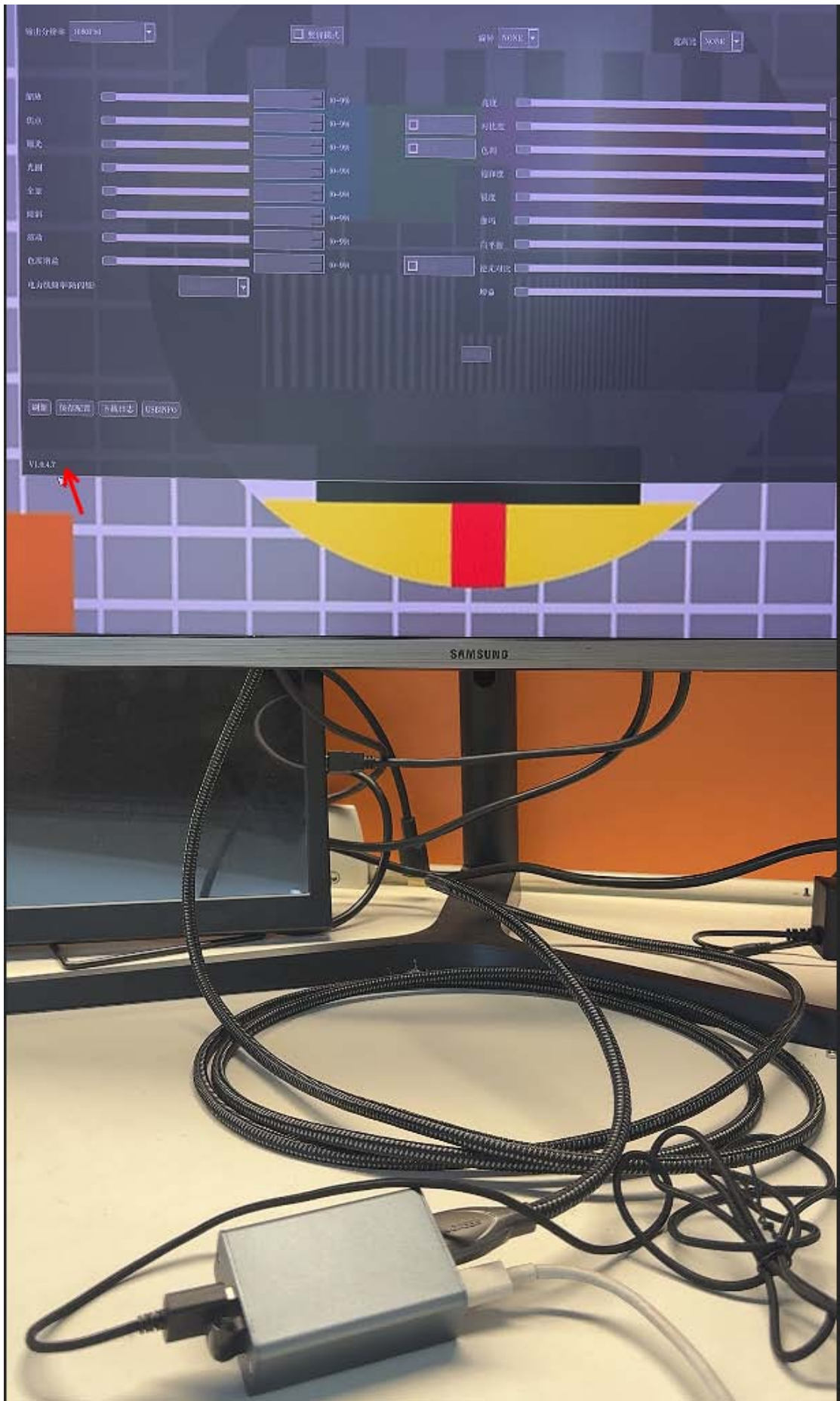


## 1.5 Upgrade version

Copy the upgrade file and put it in the U disk, do not extract the file, and insert the U disk into any USB port. Then power on the device, wait for 5 minutes to complete the upgrade (in this process, you can't power off, you can't pull out the U disk, otherwise the system will break).

You can take the mouse to see if the version number in the lower left corner is updated, if so, the upgrade is successful before you can unplug the U disk.

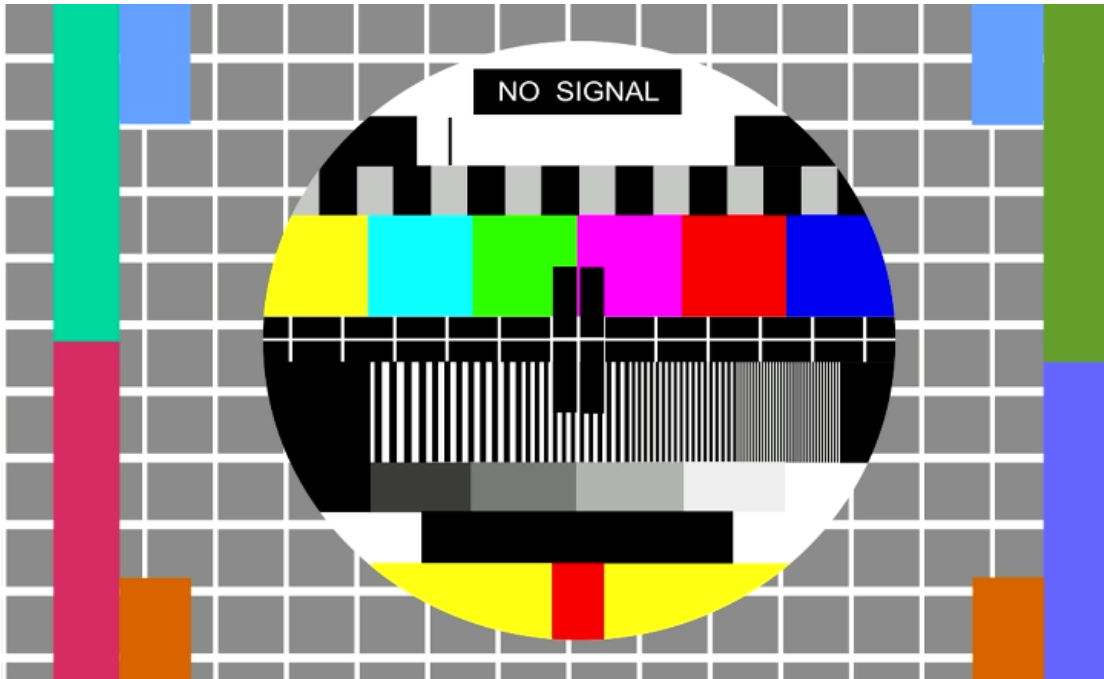




## 1.6 Troubleshooting Guide

### 1. Spherical "No Signal" Prompt:

- 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:

- 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).

### 3. 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.

## 1.7 Specification

Specification	Parameter
video in	UVC
Input resolution	3840x2160P30 Downward Compatibility
Video Output	HDMI
Output resolution	Same as input resolution

Mouse access		Adjust camera parameters
Common	Power Supply	DC 5V/2A
	Power	<2W
	Temperature	-20°C+60°C
	Humidity	<90%, non-condensed
	Size	6.8cm X4.3cm X 2.2cm
	Weight	50g

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