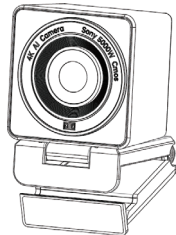


4K/30fps YUY2 1080P/60fps Plug&Play USB3.0 Type-C Webcam User Manual



1. Precautions

This manual provides a detailed introduction to the functions and general principles and methods of using and operating the device. Users are advised to read carefully before use.

1.1 Usage

- To prevent damage to this product or any products connected to it, this product can only be used within the specified range
- Do not expose this device to rain or moisture;
- To prevent the risk of electric shock, do not open the casing; Installation and maintenance can only be carried out by qualified technicians;
- Do not use beyond the specified temperature, humidity, or power specifications;
- When washing the device lens, please use a dry soft cloth to wipe it. If the dirt is severe, please use a neutral cleaner to gently wipe it. Do not use strong or corrosive cleaning agents to avoid scratching the lens and affecting the image quality;

1.2 Electrical safety

This product must strictly comply with local electrical safety standards when used.

1.3 Transport carefully

During transportation, storage, and installation, it is necessary to prevent damage to the product caused by heavy pressure, severe vibration, and immersion.

1.4 Install carefully

- Do not use violence to handle equipment, as it may cause mechanical failure
- This product should be placed on a stable desktop edge and is recommended to be used in conjunction with a magnetic base
- If the device is installed on a monitor, a magnetic base can be used to secure it;
- The shell of this product is made of organic material, and it is strictly prohibited to come into contact with any liquid, gas or solid substance that may cause corrosion of the shell;
- Ensure that there are no obstacles in front of the lens during installation;
- Do not power on until all installations are completed;

1.5 Do not disassemble without authorization

This product does not have any parts that users can repair on their own. Damage caused by user disassembly is not covered by the warranty.

1.6 Magnetic field interference

Electromagnetic fields at specific frequencies may affect the image of the device; This product is an A-class product. May cause radio interference in home environments, users need to take appropriate measures.

2.Support software and computer configuration

2.1 Support software

Works with OBS, Xsplit, PC, Zoom, Teams, etc. when OSD position displays improper, mirror setting inside these softwares.

2.2 Computer configuration

-System Requirements

- (1) Windows 10 (64-bit) or later .
- (2) macOS 11.0 or later.

-Recommended for 1080p 60fps and 4K

Check whether the usb cable of the video platform is connected correctly.

-Recommended Apple computers

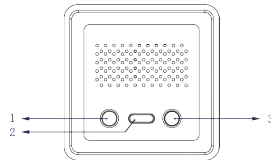
- (1) MacBook Pro (2018, 8th Gen Intel® Core™ i5 Processors or later)
- (2) MacBook Air (2018, 8th Gen Intel® Core™ i5 Processors or later)
- (3) iMac Retina (2019, 8th Gen Intel® Core™ i5 Processors or later)

-Recommended PC configuration:

- (1) CPU: 7th Gen Intel® Core™ i5 Processors or later
- (2) RAM: 8GB

3.Appearance and structural description

3.1 Product interface



Interface Description:

- 1.Power indicator light
- 2.Type-C interface
- 3.Infrared remote control receiver head

3.2 Placement Instructions on a Monitor

Please operate as shown in the figure:

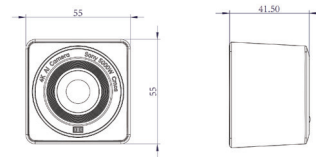
- ① Open the flexible base, set the base on the monitor.
- ② Making sure the foot on the flexible base is flush with the back of your monitor.
- ③ Place Camera on the magnetic mount.



4. product overview

4.1 Product Introduction

4.1.1 External dimensions(mm)



4.1.2 Accessory

Name	Quantity
Controller without battery	1
Bracket with magnetic base	1
USB3.0 interface Type-C&Type -B 2M cable	1
User manual	1

4.2 Product Features

Fully functional USB interface

Fully functional USB interface, compatible with USB 3.0, USB 2.0, supports UVC v1.1 and UAC1.0 protocols, supports video raw image and encoded image output.

4K UHD

Image sensor: 1/1.56" SONY CMOS

Effective pixels: 50 Million pixel

FOV(D): 85.5° (4:3)

FOV(H): 72.9°

Low illumination

The all-new CMOS image sensor with ultra-high signal-to-noise ratio can effectively reduce image noise in low light conditions, while applying 2D and 3D noise reduction algorithms to significantly reduce image noise. Even in ultra-low light conditions, the image remains clean and clear, with a signal-to-noise ratio of over 55dB.

Gesture control to zoom 4X

Intelligent gesture control, 2 fingers zoom in and 4 fingers zoom out instantly in four seconds with precise interaction, convenient and efficient, opening up a new smart experience. Gesture control On Auto Framing Off. Default on.

Multiple mode switching

Support switching between multiple scene modes: live streaming mode; Beauty mode; Incandescent lamp mode.

Leading automatic focusing technology

Adopting advanced focusing algorithms, the T0F module assists in focusing, enabling the lens to quickly, accurately, and stably complete focusing.

Rich video interfaces

Supports USB 3.0 Type-c video output.

Auto framing

Can automatically recognize human faces and adjust the picture cropping or perspective. Auto Framing On Gesture control Off. Turn On this Function in OSD via remote controller.

Easy to use

No need to download drivers, USB output is plug and play, providing a convenient and concise user experience.

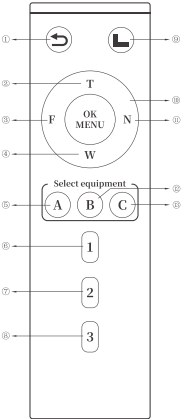
4.3 Product specifications

Webcam	
Signal System	4k30, 1080P30, 720P30
Image Sensor	1/1.56" SONY CMOS 50 million pixel image sensor
Scanning Method	Progressive
Lens	Focal length: 5.99mm
Digital Zoom	4x
Minimum illumination	0.5Lux@ (F1.8, AGC ON)
Shutter	1/30s-1/6000s
White Balance	Automatic, indoor, one click, static color temperature, manual
BLC	Support
Digital Noise Reduction	2D&3D digital noise reduction
HOV	72.9°
Signal to Noise Ratio	>55dB
Horizontal/Vertical Flip	Support
Preset Accuracy	0.1°
USB Features	
Operating System	Windows7, Windows8, Windows10, Mac OS X, Linux, Android
Color Space Compression	MJPEG, YUY2
Video Format	MJPEG: Max 4k@30fps, YUY2: 1080P60fps
Communication Protocol	UVC1.0
USB Interface	Type-C
General	
Input Voltage	DC 5V
Input Current	DC 800mA (Max)
Operation Temperature	-10°C~40°C
Storage Temperature	-40°C~60°C
Power Consumption	4w (Max)
MTBF	>30000h
Dimensions(mm)	55*41.5*55mm(L*W*H)
Net Weight	70g

Product specifications and parameter information are subject to change without prior notice.

5. Use of remote control

5.1 Remote control Description



Notice: Remote controller need point at receiving LED at the back closely to work

NO	QUANTITY	FUNCTION DESCRIPTION
1	Back Button	OSD returns to the previous level
2	Up Setting Button	UP in OSD or Tele
3	Left Setting Button	Left
4	Down Setting Button	Down in OSD or Wide
5	Select Device A When pressed	Remote controller can control camera A, camera default A
6	Default Scene When pressed	When pressed it switches to the default scene
7	Live Scene	It switches to the live scene
8	BEAUTY Scene	When pressed it switches to the BEAUTY scene
9	Sleep Button	When pressed the device enters sleep mode. Press again to resume
10	Menu/OK Button	Enter OSD menu/OSD returns to the previous level
11	Right Setting Button	When pressed the menu moves right to see more option or figures
12	Select Device B	When pressed remote controller can control Camera B
13	Select Device C	When pressed remote controller can control Camera C

6. Common problem handling

The monitor shows no image

- (1) Check if the camera power is properly connected, if the voltage is normal, and if the power indicator light is constantly on.
- (2) Check if the USB cable of the video platform is connected correctly.

The image is intermittent

- Check whether the usb cable of the video platform is connected correctly.

When the camera lens is at its maximum magnification, the image will shake

- (1) Check whether the camera is installed firmly.
- (2) Check for any vibrating machinery or objects near the camera.