

Hubble Dental Medical Glasses Product Manual

一、Part Name

Medical glasses

- 1、Camera
- 2、Lighting and filters lens
- 3、Double shaft
- 4、Vents
- 5、Dual speakers
- 6、Front headrest
- 7、Left and right headband
- 8、Upper headband
- 9、Battery compartment
- 10、Left and right battery covers
- 11、Left and right headband adjustment knob
- 12、Rear headrest
- 13、Power charging port
- 14、Mini HDMI output
- 15、Type C data port
- 16、TF card slot
- 17、Power Indicator

18、 Power On/Off

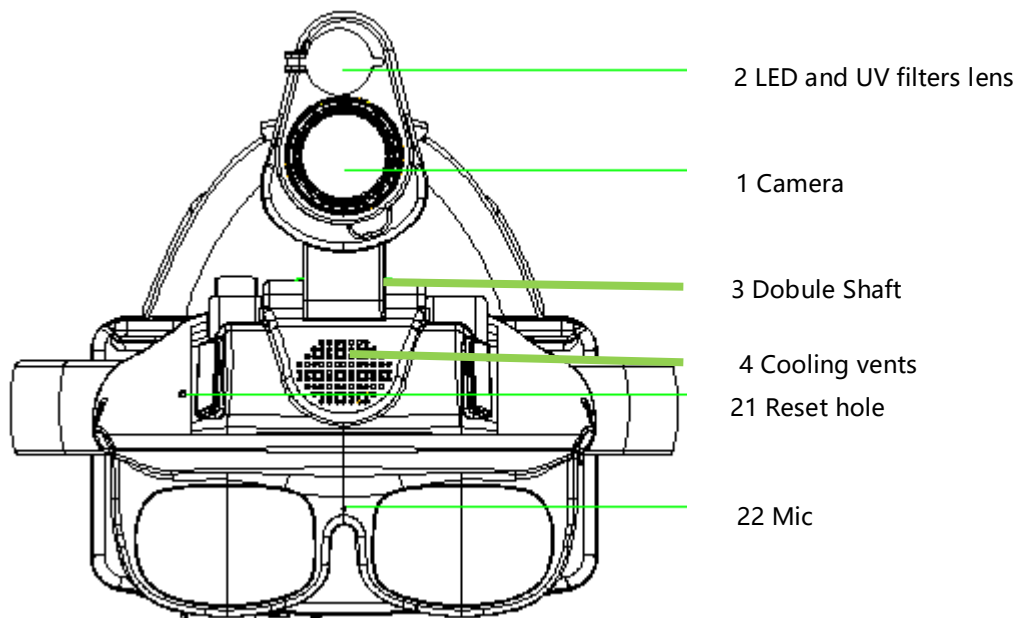
19、 Dual Displays

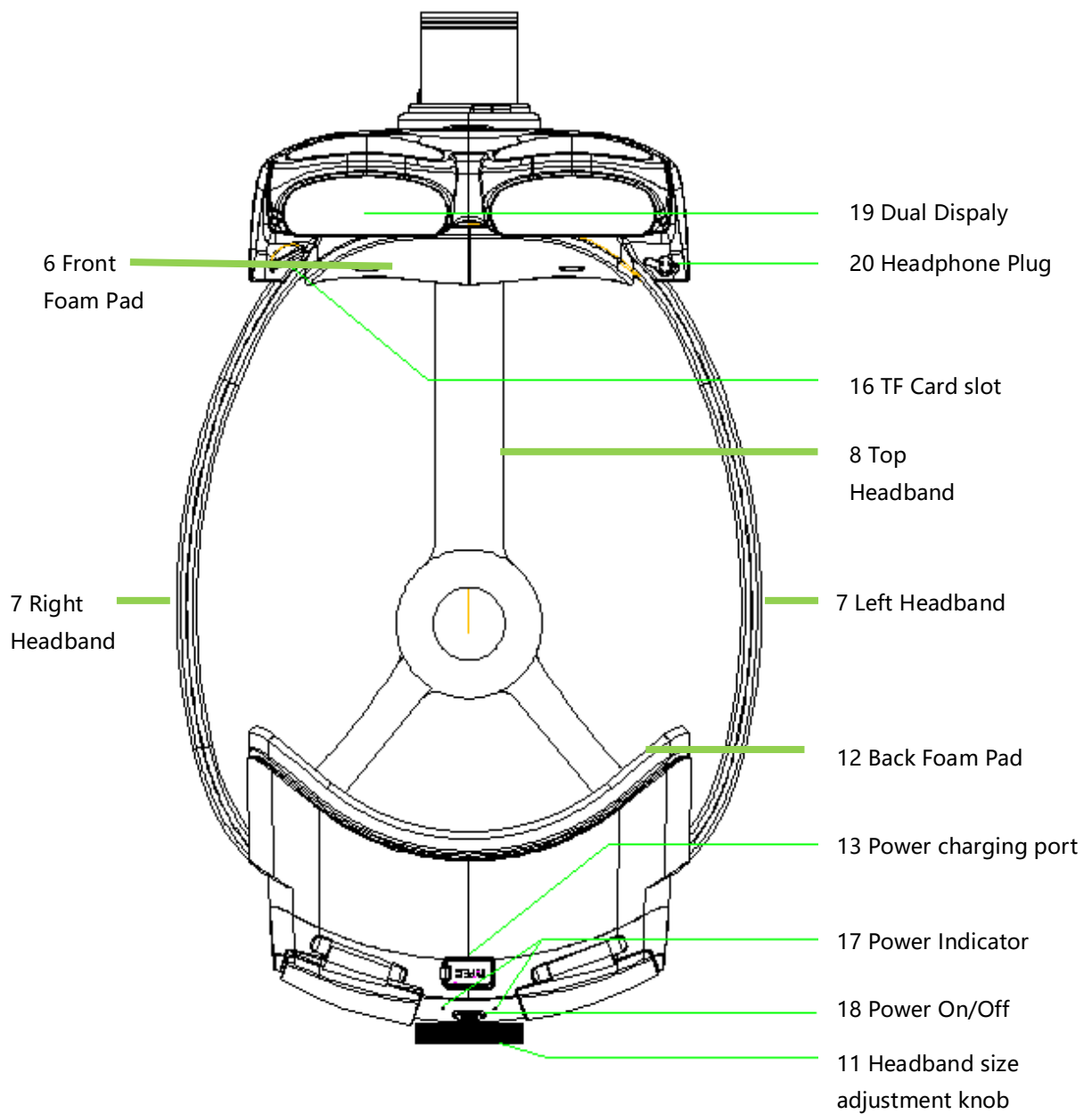
20、 Headphone plug

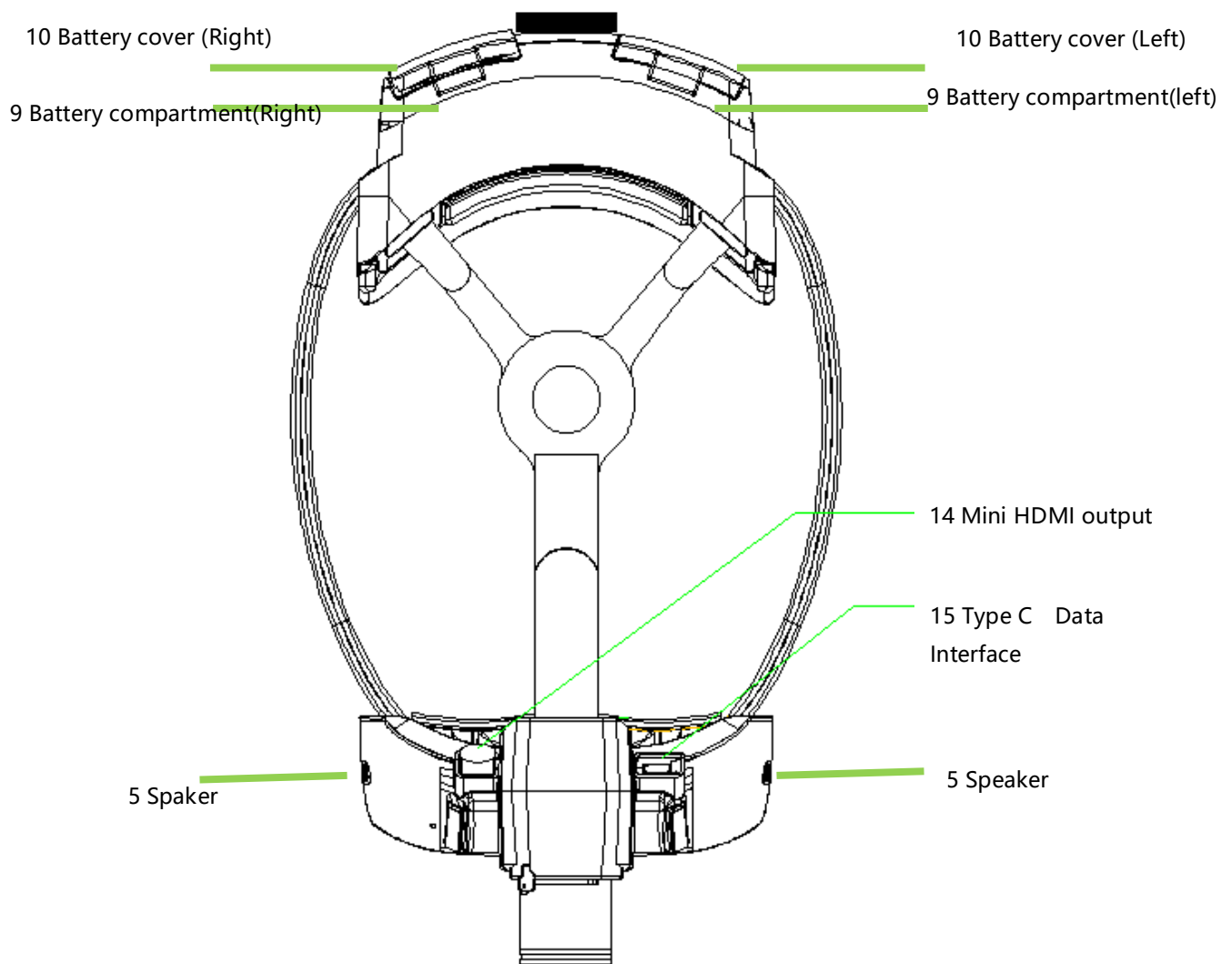
21、 Reset hole

22、 Mic

23、







This picture also needs to be supplemented so that it can be convenient for the artist to repair it.

二、Product Introduction

三、Product Specifications

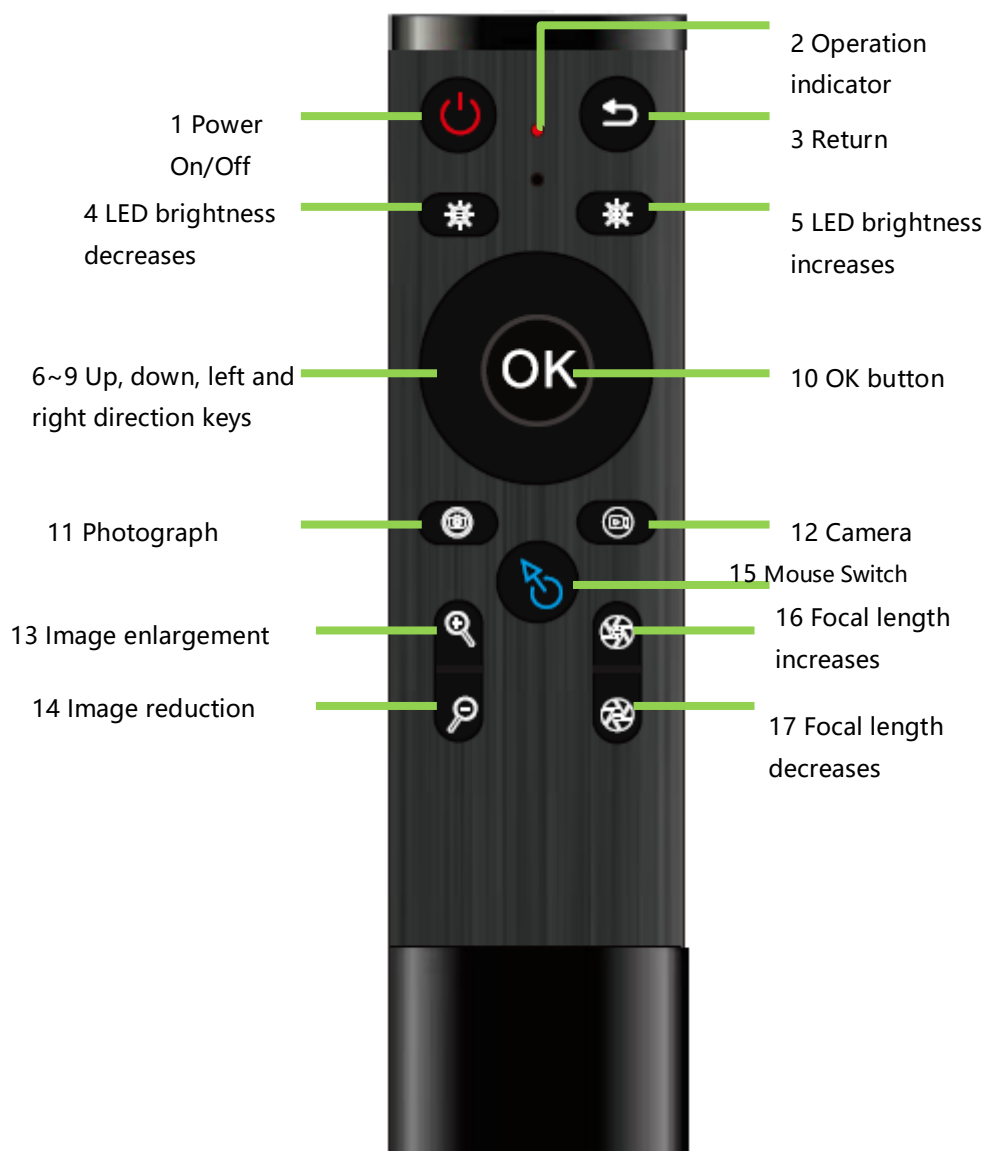
四、Product accessories

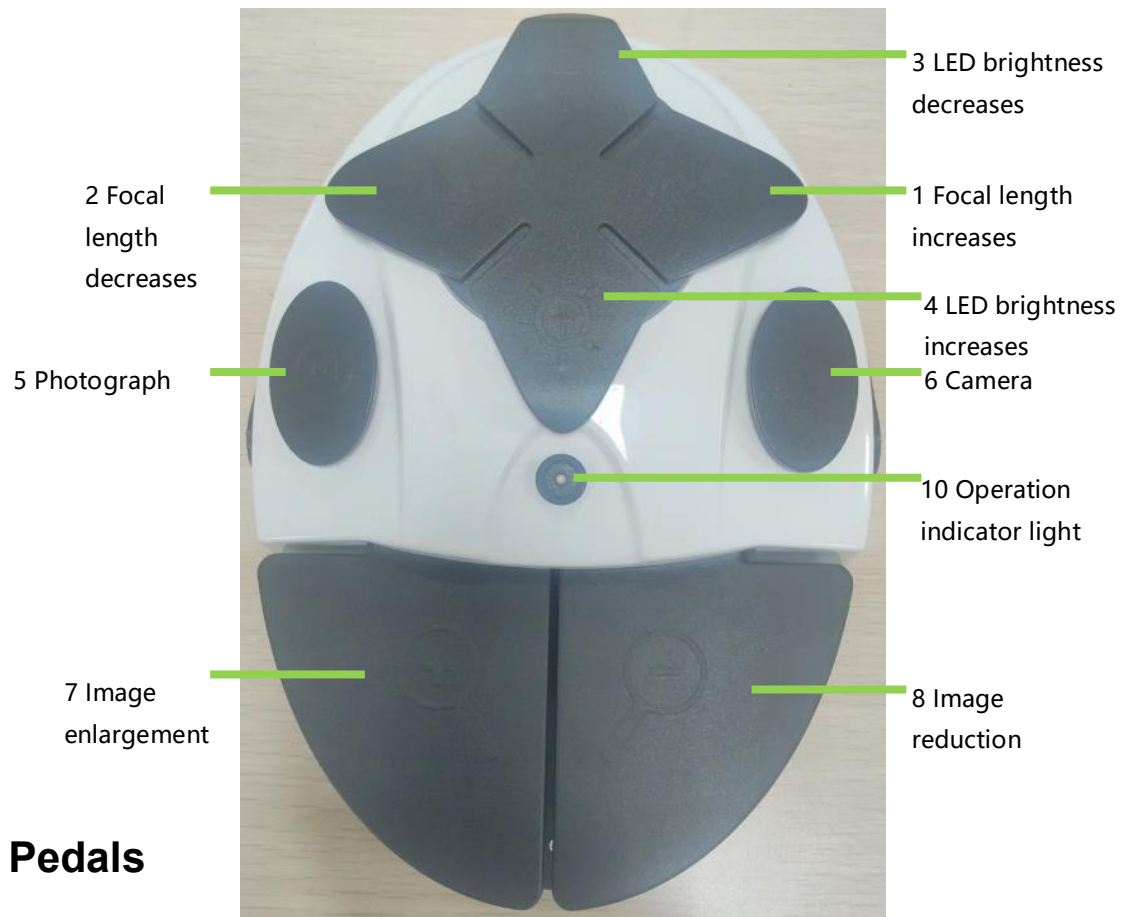
remote control

- 1、 Power On/Off button
- 2、 Operation indicator
- 3、 Return
- 4、 Light brightness reduction
- 5、 Light brightness plus
- 6、 Left Arrow
- 7、 Up Arrow
- 8、 Right Arrow
- 9、 Down Arrow
- 10、 Enter
- 11、 Photograph
- 12、 Camera
- 13、 Image zoom in
- 14、 Image zoom out
- 15、 Mouse Switch
- 16、 Focal length increases

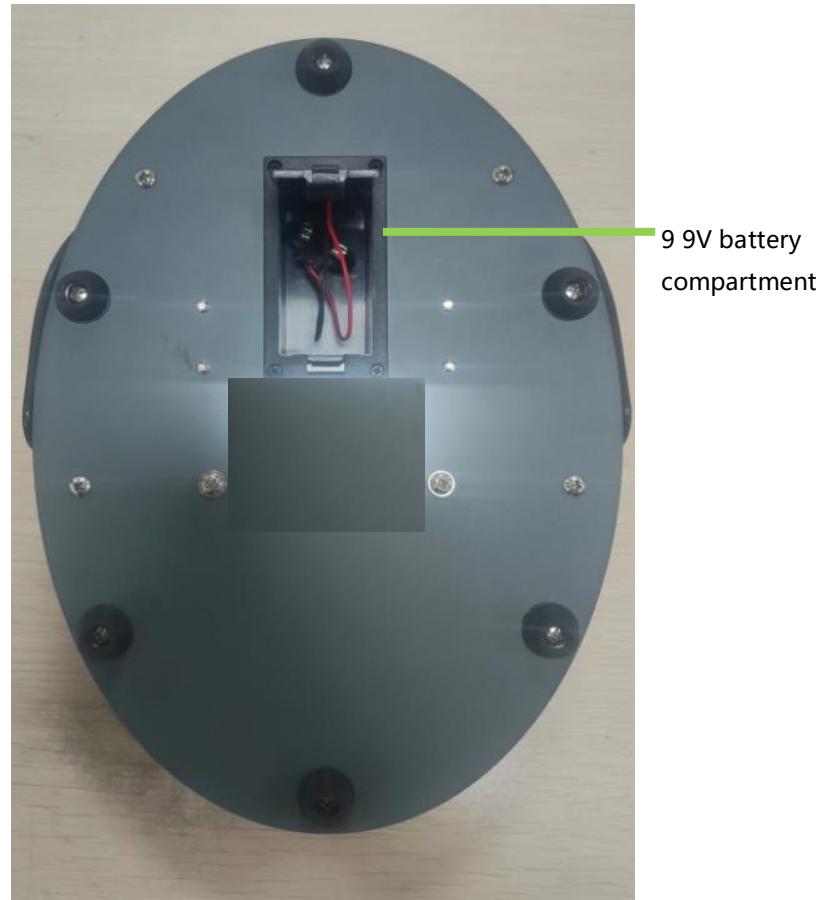
17、Focal length decreases

18、Battery compartment





- 1、 Focal length increases
- 2、 Focal length decreases
- 3、 LED brightness decreases
- 4、 ED brightness increase
- 5、 Photograph
- 6、 Camera
- 7、 Image enlargement
- 8、 Image reduction
- 9、 9V Battery compartment
- 10、 Operation indicator light



Charging case

1. Working indicator light
2. Left battery compartment
3. Right battery compartment
4. Type C charging port



二、 Product Introduction

Dental AR glasses are a kind of virtual reality glasses designed for the dental field. It combines virtual reality technology with the needs of the dental field and provides a new immersive working environment for dentists and patients.

Through oral medical AR glasses, doctors can observe the details inside the patient's mouth and dynamically zoom in and out on the details, thereby making more accurate and effective diagnosis and treatment planning. Patients can also use oral medical AR glasses to experience the real oral treatment process in a virtual environment, thereby reducing anxiety and fear. Oral doctors can use oral medical AR glasses for professional skills training and medical education to improve their diagnosis and treatment level . Oral medical AR glasses support remote consultation and communication, facilitating collaboration and

communication between doctors. They are mainly used in oral diagnosis and treatment, dental surgery, oral beauty and other fields.

三、Product Specifications

Display and resolution	Micro OLED , 1080P*2
FOV	45 degree
Camera resolution	2544*1944
Zoom speed	20 times (Max)
UV filter	support
CPU	ARM 64 -bit, octa-core
storage	DDR 2 GB, EMMC 64GB
operating system	Deeply customized Android system
WIFI	WIFI supports 802.11A/B/G/N/AC (Hubble Vision System carries)
BT	Bluetooth 5.0 BLE
Mic	support
trumpet	Support left and right dual speakers
Wireless screen projection	Miracast Send
interface	Support TYPE-C DC, Micro SD

	card, earphone, USB OTG TYPE-C jack, Mini HDMI OUT
interactive mode	Remote control, foot pedal
Battery	4800mA *2 , Li polymer battery, supports dynamic switching, achieving unlimited battery life

4. Quick Guide

1. Turn on and off

In shutdown state:

Press and hold the **power button** for about 3 seconds and then release it. The green light will turn on to indicate the device is powered on.

When the machine is turned on,

Long press the **power button** for about 1 second and then release it to enter the software shutdown interface. Use the remote control to select the shutdown menu item and click the confirmation button. Then the green light goes out to indicate that the device has been shut down.

Press and hold the **power button** for more than 3 seconds until

the green light goes out to force shutdown.

2. Wear glasses

Put on your glasses and adjust the tightness of the headband to suit your comfort.

Rotate the glasses and adjust the pupil distance accordingly so that you can see the entire screen .

3. Common functions

Power button	Long press 3 S	Power on
	When powering on , press and hold for 3 seconds	Shutdown
RE COVERY HOLE	When booting, press and hold this button to enter Recovery mode	
Headband size adjustment knob	Rotate to adjust the tightness of the headband	
Power Indicator	Red light is always on (charging)	
	Red light off (fully charged/adapter not plugged in)	
	Green light is always on (power on)	
	Green light off (power off)	

MIC input	Support recording and voice interaction
Camera	Support photo and video recording
flashlight	Support fill light when taking photos and recording videos
TYPE -C charging jack	Support charging
Micro SD card slot	Maximum support 64G
Headphone jack	Support 3.5 mm dual channel stereo
Dual Displays	Display the boot screen
USB HOST TYPE-C jack	connection of external devices such as USB flash drive and USB mouse
Micro HDMI OUT jack	Support 1080P resolution output display

4. Accessories

Remote Control Instructions

two 1.5V AAA dry batteries into the battery compartment in the direction of positive and negative poles . The red light flashes twice to enter the working state. Turn on the glasses and enter the corresponding interface, then you can start using them normally .

Press the button, the red light flashes once , indicating

normal use .

Notice :

LED brightness -, LED brightness +, photo, video, zoom +, zoom -, focus + , focus - are only available when the glasses enter the quick start interface .

Foot pedal instructions

Put a 9V (alkaline) battery into the battery compartment, the red and green lights will flash at the same time to enter the working state, and you can start normal use.

The glasses enter the quick star interface, and you can operate the corresponding buttons on the foot pedal to operate the glasses accordingly .

At the same time, you can observe that the green light flashes when the foot pedal is operated.

When the battery voltage is less than 4.6V , the red light on the operating pedal will flash, indicating that the battery voltage is low.

, needs to be replaced.

Charging box instructions

The charging box uses a 5V adapter. The standard battery can be charged by placing it in the charging box. The red light is on to indicate that it is charging, and the red light is

off to indicate that charging is completed.

5. Product Certificate



Declaration of Toxic and Hazardous Substances in Electronic Information Products

Environmental Protection

- Do not discard your old device in the trash.
- Please observe local laws regarding the disposal of device packaging materials, exhausted batteries, and waste equipment, and support recycling initiatives.

Part Name	Toxic and hazardous substances or elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr6+)	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers

						(PBDEs)
Structure	○	○	○	○	○	○
Single board/circuit module	X	○	○	○	○	○
Battery	X	○	○	○	○	○

0: Indicates that the content of the toxic and hazardous substance in all homogeneous materials of the component is below the limit requirements specified in SJ/T11363-2006 "Limit Requirements for Toxic and Hazardous Substances in Electronic Information Products".

X: Indicates that the content of the toxic substance in at least one homogeneous material of the component exceeds the limit requirement specified in SJ/T11363-2006, but does not mean that it is harmful to the human body.

warranty card

After-sales service commitment

If the product fails during normal use within one year from the date of purchase, you can scan the QR code and follow the "Cool Technology" official account to apply for repairs.

If the failure or damage is caused by self-disassembly or improper use, it is not within the scope of maintenance.

Warranty reason	
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Contact Name	
contact number	
contact address	

FCC Warning

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE 1: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

NOTE 2: Any changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.