KANDAO 20230215 Conference Camera User Guide

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KANDAO

KANDAO 20230215 Conference Camera

Specifications

- **Power Cable Length:** m
- **USB Cable Length:** m
- **Micro SD Card Slot:** Supports Micro SD Card in FAT format (Maximum GB)
- **Remote Control Power:** AAA batteries

Product Usage Instructions

Names of Parts and Buttons

- Provide detailed information about the names of parts, buttons, lens buttons, and indicator lights.

Buttons Description

- A detailed description of each button’s function including Power Button, Volume Button, Mute/Record Button, and Mode Button.

Indicator Light Description

- Explanation of different indicator light colors and their meanings.

Input/Output Ports Description

- Description of each input/output port including USB-C Power Port, HDMI OUT, Ethernet Port, Micro SD Card Slot, USB-A Port, and USB-C Audio/Video OUT Port.

Remote Control Description

- Explanation of the functions of the remote control buttons and how to pair them with the device.

Standalone Mode Introduction

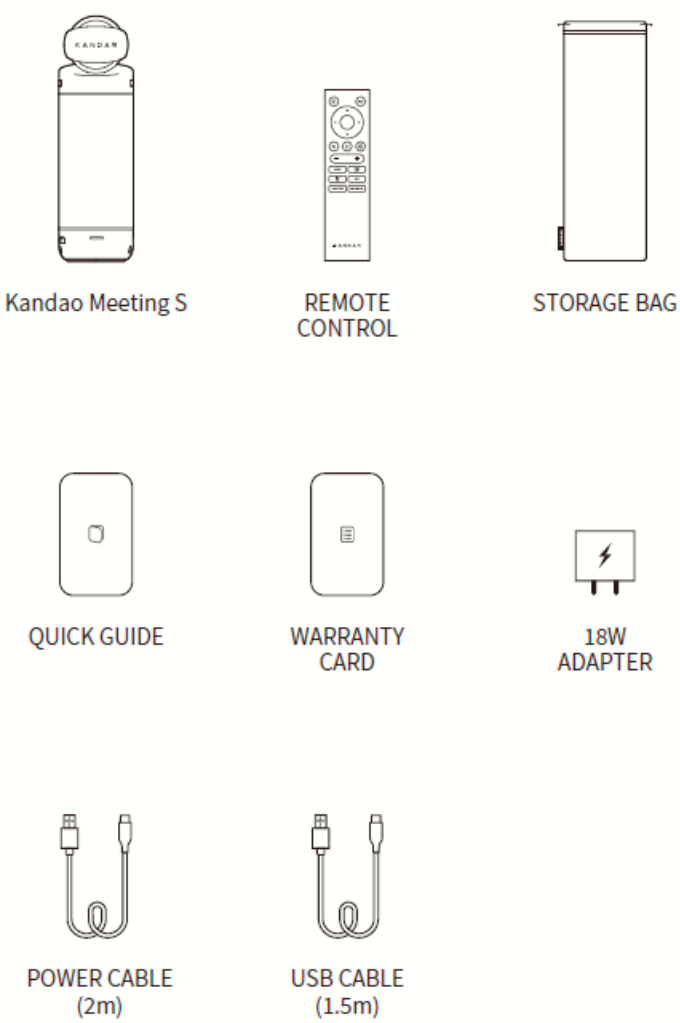
- Step-by-step guide on how to set up and power the device in standalone mode.

FAQ

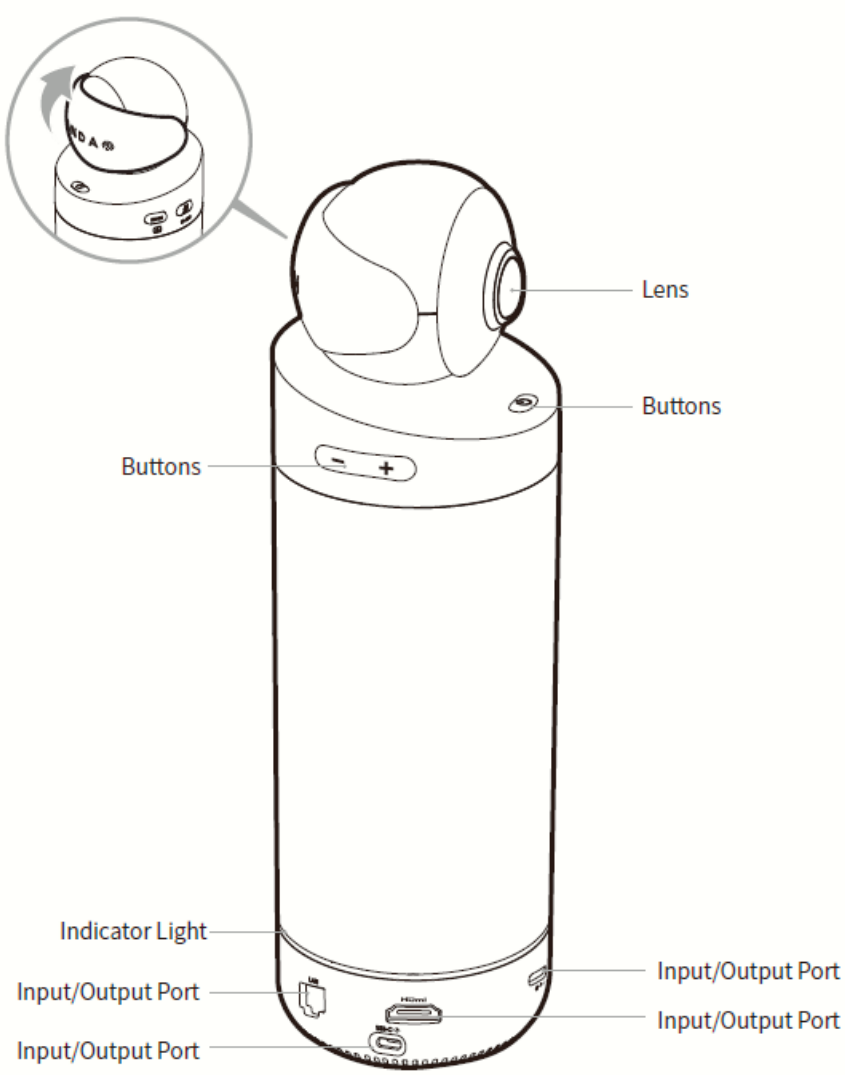
- **How do I pair the remote control with Kandao Meeting S?**
  - To pair the remote control, simultaneously long-press the middle OK button and Volume – button for about 5 seconds until the indicator light blinks.
- **What should I do if the remote control stops working?**
  - If the remote control stops working, try connecting an external mouse to Kandao Meeting S. Then, follow the steps to reconnect the remote control as mentioned in the user manual.
- **How can I switch HDMI output resolution on Kandao Meeting S?**
  - To switch HDMI output resolution, long-press VOL+ and VOL- buttons for 5 seconds to toggle between resolutions.

Product Profile

Packing List



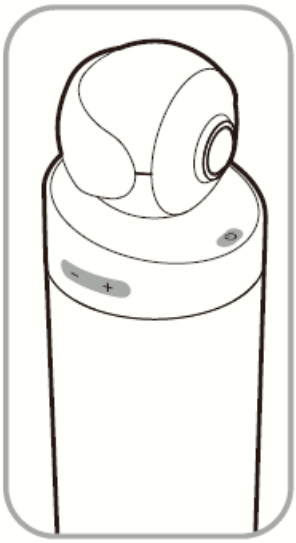
Names of Parts



Buttons Description

Power Button

- Long press for 3s to turn the device on and off, a short press to enter sleep mode, and another short press to wake up.



Volume Buttons

- Adjust the volume of speakers.

HDMI 1080P 720p

- Long press “VOL+” and “VOL-” for 3s to switch HDMI output resolution (1080Pp/720p).

Mute/Record Button

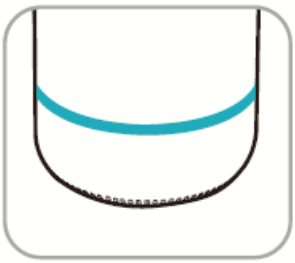
- Short press to mute the microphone.
- Long press for 3s to start/stop recording a meeting. (SD card is needed to be inserted).

Mode Button

- Short press to switch to different modes.
- Long press for 3s to lock screen FOV.

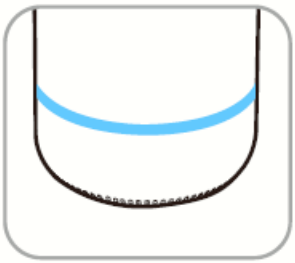
Indicator Light Description

- **Blinking Green**
  - Starting or updating firmware
- **Solid Green**
  - Ready to use

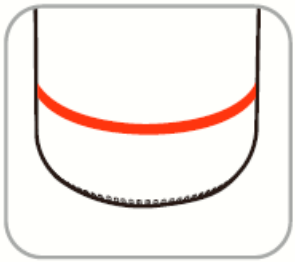


- **Solid Blue**

- Camera working

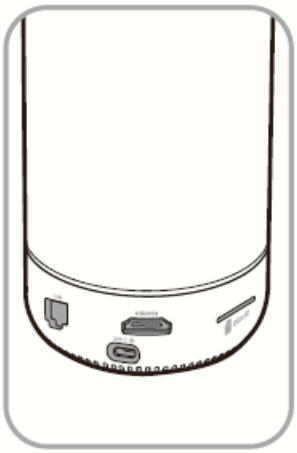


- **Solid Red**
  - Microphone on mute



Input/Output Ports Description

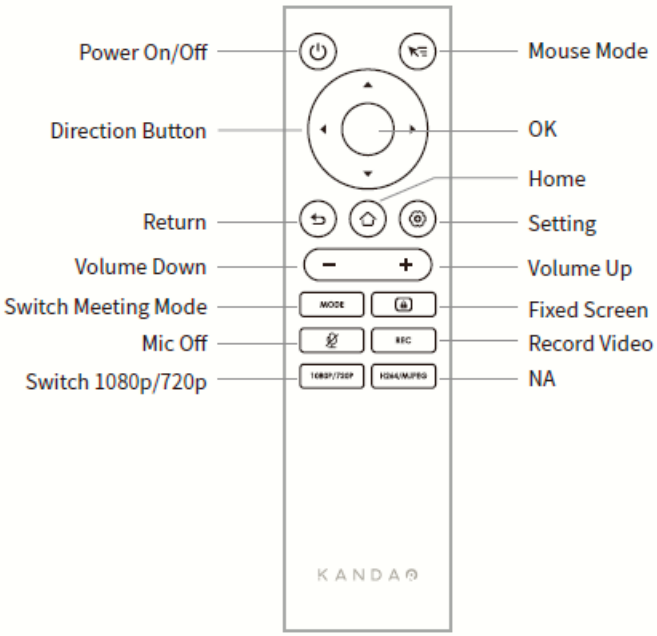
- **USB-C Power Port**
  - For power supply
- **HDMI OUT**
  - for TV/displayer connection
- **Ethernet Port**
  - Wired Network Connection
- **Micro SD Card Slot**
  - Support Micro SD Card in FAT 32 format (Maximum 256 GB)



- **USB-A Port**
  - For mouse/keyboard connection
- **USB-C Audio/Video OUT Port**
  - Enable the webcam, microphone, and speaker after connecting the PC

Remote Control

Remote Control Description



Note

1. Power supply for the remote: 2 AAA batteries.
2. If the remote control doesn't work and cannot be reconnected, you can connect an external mouse to Kandao Meeting S. Then, go to "Settings" > " Bluetooth" >" Currently Connected" > Select "Kandao Meeting" > Click "Disconnected".
    - After that, you can reconnect the remote control.
3. Short press the "Mouse Mode" button on the upper right of the remote, and a cursor will appear on the screen. Then, the remote can be used as a mouse to work with the "OK" button.
4. When the mouse mode is on, the "Direction" button and the "Power" button of the remote are unavailable. Therefore, please exit the mouse mode if you want to use features such as sleep mode, shutdown, etc.
5. The remote control cannot be used to power the Kandao Meeting S.

Standalone Mode Introduction

Preparing

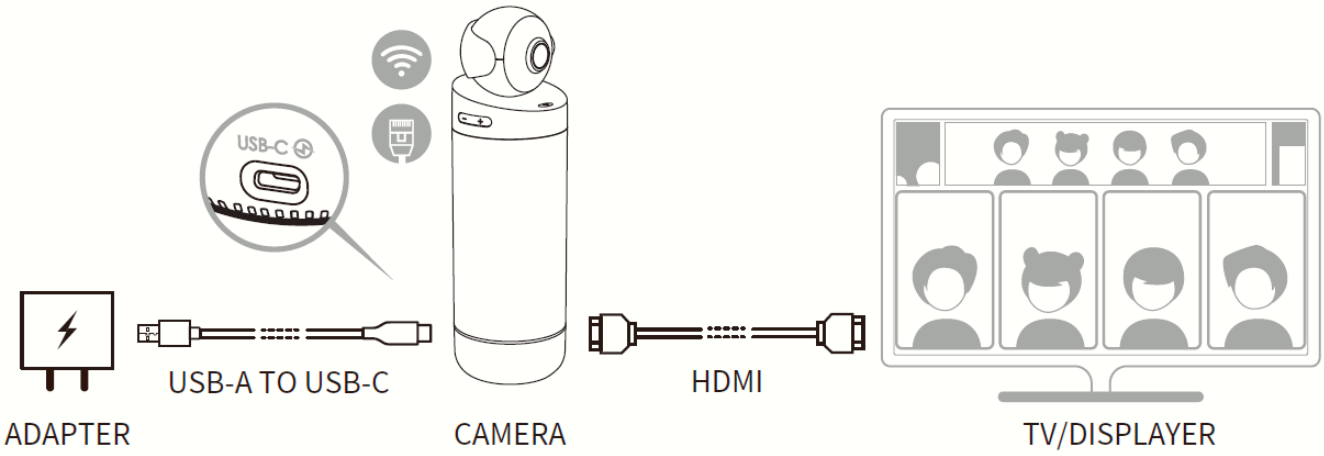
1. Use the power cable to connect the USB-C power port and the power adapter.
2. Use HDMI cable to connect the TV/displayer with Kandao Meeting S. (HDMI cable is not provided.)

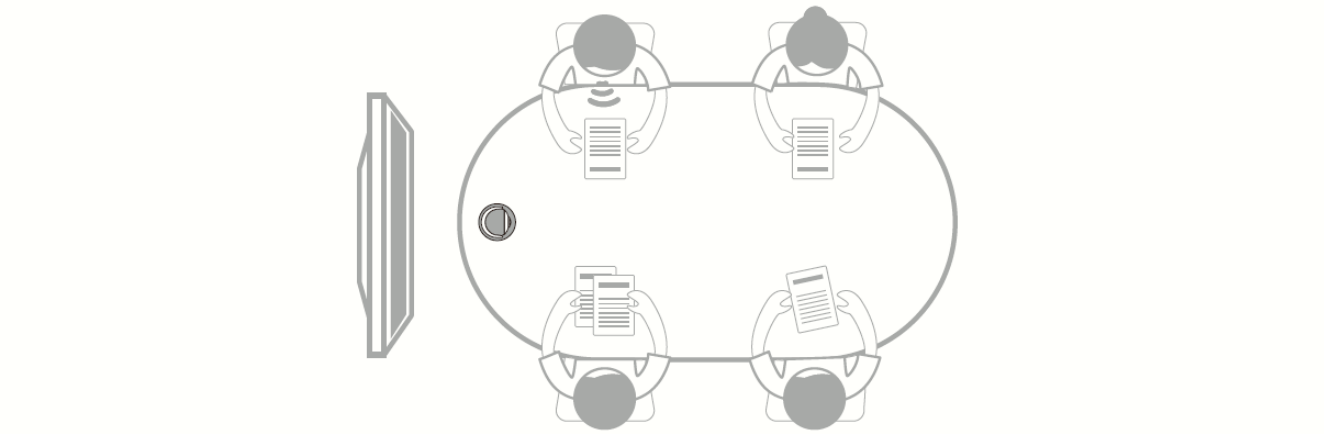
Power on

Long press the power button to turn on your Kandao Meeting S.

Note

1. If there is no display shown, this may be because the display does not support 1080p@30Hz format.
    - In this case, please try pressing the “Volume +” and “Volume -” buttons simultaneously for about 5s, and the system will switch the HDMI output resolution to 720p to fit the display.
2. To check the HDMI output resolution, go to “Settings” > Scroll down and select “My Device”.





Pairing Remote Control

1. Simultaneously long-press the middle “OK” button and “Volume -” button for about 5s until the indicator light blinks.
2. The indicator light is off after pairing successfully.
    - **Note** After pairing successfully, pressing any key on the remote will automatically connect the next time.

Network Connection

Wired network connection:

1. Connect the network cable to the Ethernet port of Kandao Meeting S, and then configure the wired network information in “System initial boot” or “Settings”, including DHCP, static IP, network agent, etc.

Wireless network connection:

1. Configure and connect the wireless network in “System initial boot” or “Settings”, including DHCP, static IP, network agent, etc.

Starting a Meeting

1. Go to the App Store , download and install video conferencing software (Tencent Meeting, DingTalk, Skype, ZOOM, Google Meet, Teams, etc.).
2. Go back to the Home page to run a conferencing software and start a meeting.
    - **Note** When entering text, please switch to mouse mode or use an external mouse to operate the on-screen keyboard.

Sleep Mode

Short press the power button on Kandao Meeting S or on the remote control to enter sleep mode, while short press again to wake it up.

Power of

Long press the power button on Kandao Meeting S or on the remote control for 3s to turn off Kandao Meeting S.

Recording a Meeting

Use Kandao Meeting S as a video recording device to record an offline Meeting. The video file will be saved to the Micro SD card.

1. Enter “Camera Tool” on the Home page.
2. Short-press the “Rec” button on the remote or long-press the “Rec” button on Kandao
    - Meeting S for 3s to start recording.
3. Repeat the step 2 to stop recording.

Note

1. If you need to record an online conference, please use the recording function of third-party conferencing software.
2. Please exit third-party conferencing software before recording an offline conference.
3. A micro SD card is needed for recording. (Support up to 256GB, FAT format).

Entering a Meeting via Link

1. Go to the “Settings” menu > Select “Screen Mirroring” > Turn the toggle on.
2. Make sure Kandao Meeting S and your Mac or Windows PCs are on the same network.
3. Enter the IP address to the browser and enter the meeting link on the webpage.
    - **Note** When joining a meeting through this link, the screen sharing will stop.

Screen Mirroring

Through IP address

1. Go to the “Settings” menu > Select “Screen Mirroring” > Turn the toggle on.
2. Make sure Kandao Meeting S and your Mac or Windows PCs are on the same network.
3. Enter the IP address to the browser and start the screen share.

Note Audio share is not supported when screen mirroring through IP address.

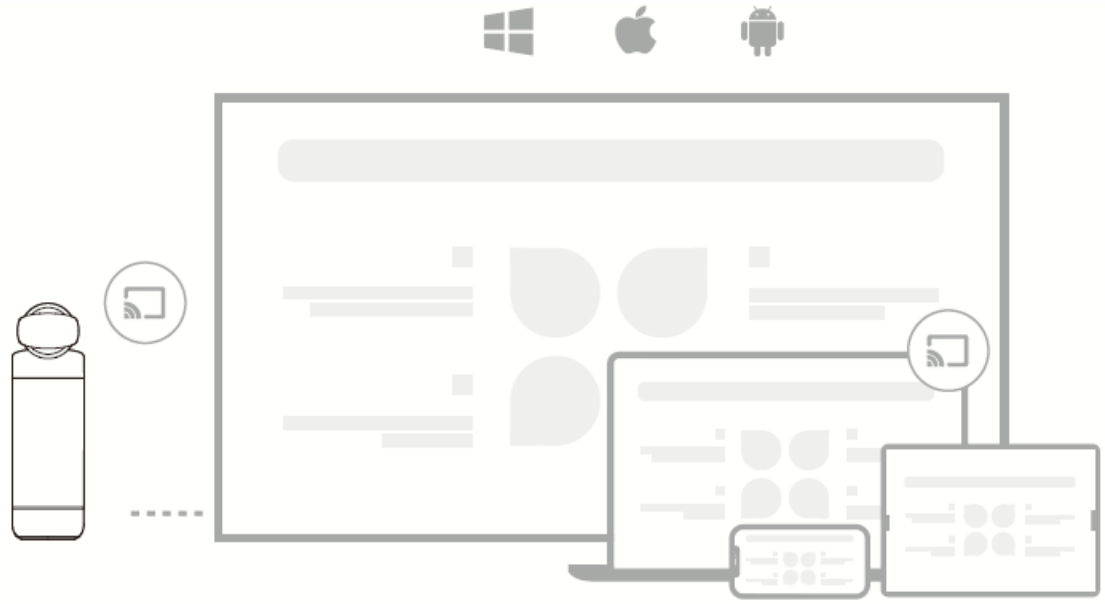
Airplay

1. Go to the “Settings” menu > Select “Screen Mirroring” > Turn the toggle on.
2. Make sure Kandao Meeting S and your IOS devices are on the same network.
3. Tap the AirPlay on your Mac / iPad / iPhone and select Kandao Meeting S from the device list.

Miracast

1. Go to the “Settings” menu > Select “Screen Mirroring” > Turn the toggle on.
2. Make sure Kandao Meeting S and your Android devices/Windows PCs are on the same network.
3. Miracast in different situations:

- **a.** For Windows PCs: Press Winkey+K, then select Kandao Meeting S.
- **b.** For Android devices: Turn on “Cast” on your Android devices and select Kandao Meeting S.
- **Note** The name of this function varies with mobile terminals. You can contact the device manufacturer for more information.



Share Screen in a Meeting

1. Start the screen-sharing function in third-party conference software.
2. Click “Start Now” in the pop-up prompt.
3. Follow the instructions of AirPlay or Miracast in the Screen Mirroring menu. Then, the screen is shared with online attendees.

Camera Settings

Go to the “Settings” > “Camera Settings” menu in Kandao Meeting S, you can adjust the EV, Video Inversion, Video Flip, and Tracking Sensitivity.

1. **EV:** Adjust the exposure value to adapt to different brightness environment. Press the “Setting” button of the remote to adjust the EV in a meeting.
2. **Video Inversion:** The video view will be inverted when it is on. This setting applies to scenarios where the Kandao Meeting S is installed upside down.
3. **Video Flip:** The view will be flipped horizontally. This setting applies to the conferencing software with a mirroring function
4. **Tracking Sensitivity:** Adjust the speed of intelligent switching frequency between tracking targets in the Intelligent Mode.

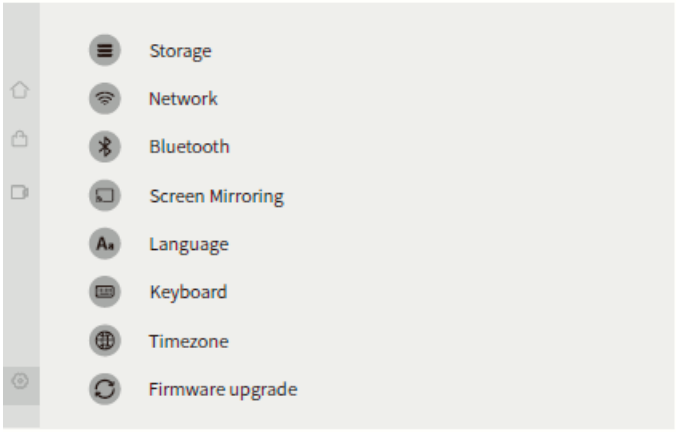
Note The camera setting parameters will be synchronously applied to the “USB Mode”. (Please refer to the section USB Mode Introduction for more information.)

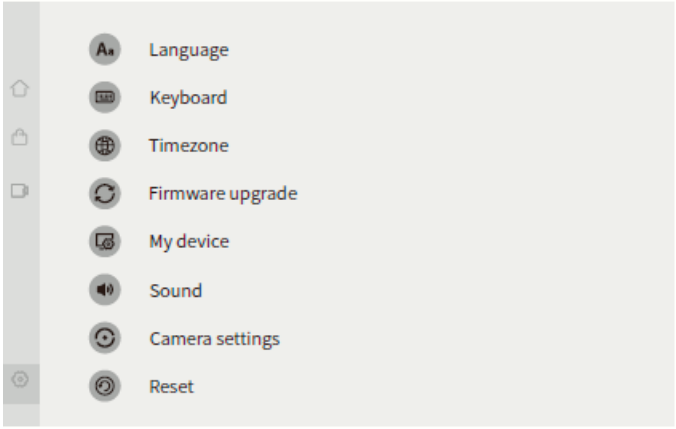
System Updates

After being connected to an available network, Kandao Meeting S will pop up an update notification if there is a new firmware. Or enter “System Update” on the settings page to update the firmware.

Settings Menu

1. **Storage:** View storage space size and stored files.
2. **Network:** Set Wi-Fi and Ethernet, including DHCP, static IP, network agent, etc.
3. **Bluetooth:** Turn on or off Bluetooth and pair Bluetooth devices.
4. **Screen Mirroring:** Turn on or off the wireless screen mirroring function and view the operating instructions of screen mirroring.
5. **Language:** Set system language.
6. **Keyboard:** Set external keyboard type.
7. **Timezone:** Set system time zone.
8. **Firmware upgrade:** Upgrade system firmware.
9. **My device:** View device information.
10. **Sound:** Set the volume of the microphone and the speaker.
11. **Camera settings:** Set inversion mode, exposure compensation, screen mirroring, tracking sensitivity, etc.
12. **Reset:** Reset account information and restore factory settings.





USB Mode Introduction

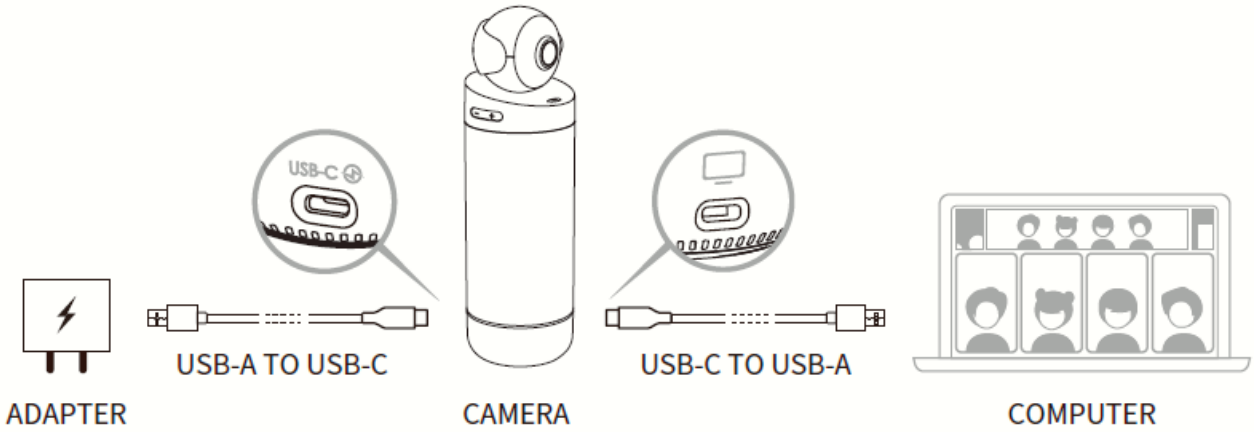
Preparing

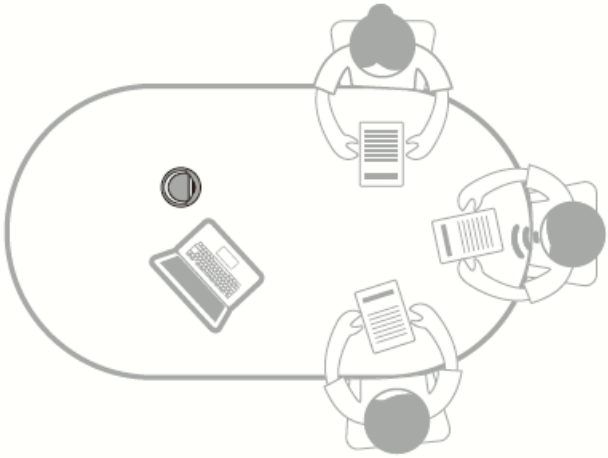
1. Use the power cable to connect the USB-C power port on Kandao Meeting S and the power adapter.
2. Use the USB cable to connect a computer to the other USB-C output port.

Note Both the power port and audio/video port are USB-C ports. If you insert the USB C cable into the wrong port, it may cause Kandao Meeting S to not boot or work properly.

Power on

Long-press the power button on Kandao Meeting S for 3s.





Pairing remote control

1. Simultaneously long-press the “OK” button and “Volume-” button for about 5s until the indicator light blinks.
2. The indicator light is off after pairing successfully.

Note After pairing successfully, pressing any key on the remote can wake up the connection next time.

Starting a meeting

1. Enter a video conferencing software (DingTalk, Skype, ZOOM, Google Meet, Teams and so on) and start an online meeting.
2. Choose “Kandao Meeting S” as the microphone/speaker/camera device in the conferencing software. Then, an indicator light will turn on blue and Kandao Meeting Sis is ready to operate.

Note

1. No additional software is needed in USB Mode. Just connect, and use.
2. If there is a screen display problem, such as a stretched screen display, or black screen, please try pressing the “Volume +” and “Volume-” buttons simultaneously for about 5s, and the system will restart and switch the HDMI output resolution.

Sleep Mode

- Short press the power button on Kandao Meeting S or on the remote control to enter “sleep mode”, while short pressing again to wake it up.

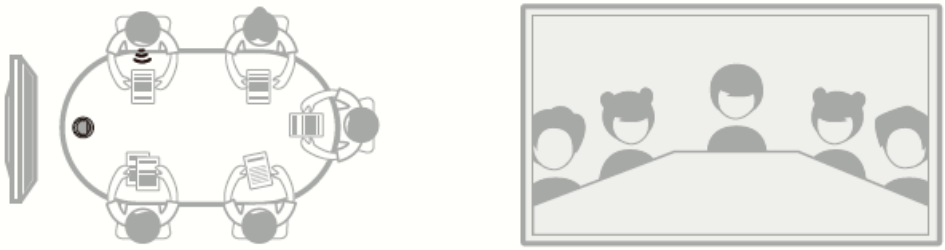
Power off

- Long press the power button on Kandao Meeting S or on the remote control for 3s to turn off Kandao Meeting S.

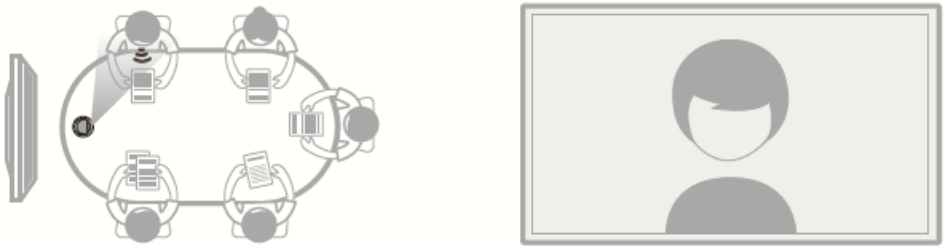
Meeting Mode Introductions

Smart-tracking Mode

- **Ultra-Wide Mode:** Cover 180° FOV.



- **Single-Person Mode:** Display one attendee, while highlighting the active speaker.



- **Two-Attendee Mode:** Display two attendees in two frames, while highlighting the active speaker.

- **Multi-Attendee Mode:** Display five attendees, the active speaker will be highlighted and displayed in the main frame.

Screen Lock Mode

- You can adjust the angle of the view and zoom with the remote control.

How to use

- When in a video conference, short press the “Lock” button of the remote control, and a “Lock” icon will appear in the bottom left and a blue selection border will appear on the screen.

Note

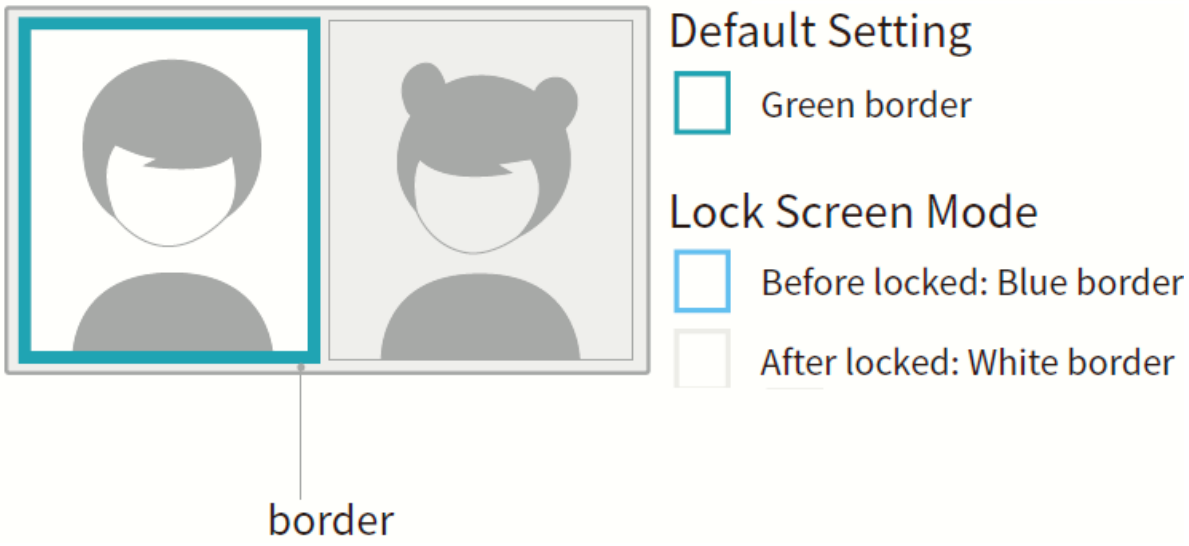
- 1. The view angle is locked until canceling the lock mode manually.
- 2. The mouse is unavailable in Screen Lock Mode.

Selecting a View Window

- Press the “Left” and “Right” direction buttons of the remote control to select a view window. By pressing the “OK” button on the remote control, the border of the window changes to white, allowing you to adjust the view angle.

Adjusting the View

- 1. Use the “Direction Buttons” of the remote control to adjust the view angle, and use the “VOL+” and “VOL-” buttons to zoom in and out.
- 2. Press the “OK” button on the remote control to finish the adjustment.



Tech Specifications

Specification	
Size	Outer diameter of main device: 78.2 mm; Height: 256.5 mm; Remote controller Height: 160 mm; Width: 42 mm; Thickness: 21 mm
Computer System Requirements	Windows7 or higher, MacOS 10.8 or higher
Software Compatibility	Zoom, Tencent conference, GotoMeeting, Skype, Teams, Bluejeans, Ding Talk, Slack, ViLiN-HD video conference, Polycom, Starleaf, Google Meet, HUAWEI CLOUD Meeting, WoCloud Conference, Cisco WebEx, Surfing Cloud Meeting ; and other video conference platforms supporting USB cameras
Resolution	1920*1080/1280*720
Encoding Format	MJPEG
LED	Red/Blue/Green
Button*5	Vol+, Vol-, Mute, On/Off, Swich Mode
Microphone*8	8 Built-in integrated microphones and 8 beam forming elements. Pickup range: 5m Sensitivity: -38 dB AEC (acoustic echo cancellation) VAD (voice activation detection) Microphone background noise suppression
Speaker	5W, for audio output
USB Type C Out	USB 2.0, Type-C Out for transferring UVC/UAC
USB Type C In	Type-C IN for power supply
Ethernet Connection(RJ45)	100M Ethernet Port, Wired Network Connection
USB A	For External Equipment (Mouse/Keyboard)
HDMI	HDMI 1.4, for Outputting Video and Displaying System Page

Specification	
WIFI	5G band 1+2.4G Support STA Mode
Bluetooth	BT4.1
System Memory	64G
Micro SD Card	Support Micro SD Card in FAT32 format (Maximum 256GB)
Adapter	INPUT: AC100-240V 50/60Hz 0.45A Max OUTPUT: DC 12V 1.5A
Machine Weight	771.5g

Product Security

Warning: If you fail to take the following precautions, you may be seriously injured or killed by the electric shock or fire disaster. Or may cause damage to your Kandao Meeting S. Please check before using the product and accessories to make sure they are intact. For security, only Kandao accessories that are provided with the product or genuine ones purchased can be used. Damage caused by the use of unauthorized accessories or parts is not covered by the warranty. To learn about approved accessories, please visit Kandao's official website **www.kandaovr.com.**

1. Do not place or fix the product on an unstable surface. Failure to follow this precaution may cause the product

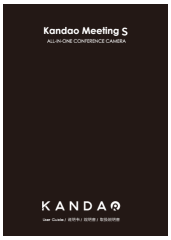
to loosen or fall off, causing an accident or damage to the product.

2. When using an external power supply connection, please observe all safety rules of third-party power supply equipment.
3. The lens of Kandao Meeting S is made of glass. If the lens is damaged, be sure to handle it carefully to avoid being scratched by the broken lens/glass.
4. The temperature of the product may rise during normal usage. Can please turn off the product and leave it to cool before using it again?
5. This product is not a toy and you are solely responsible for complying with all local laws, regulations, and restrictions.
6. Please do not use Kandao Meeting S for unauthorized monitoring, candid shooting, or in any way that violates personal privacy regulations.
7. **Precautions:** do not put the product in an extremely cold or hot environment. Extremely cold or hot conditions may cause the product to temporarily stop working properly.
8. **Warning:** there is no protection for two lenses of Kandao Meeting S after taking off the lens cover. Please use it carefully to avoid lens scratches. Avoid placing the lens directly on any surface. Lens scratches are not covered by the warranty.

This symbol indicates that according to local laws and regulations, your product should be disposed of separately from household waste. When the product life ends, please take it to the collection point designated by the local authority. Separate collection and recycling of products when they are disposed of will help protect natural resources and ensure that they are recycled in a way that is beneficial to human health and protects the environment.

- **KanDao**
- **www.kandaovr.com**
- **Product Name: Kandao Meeting S Conferencing Camera**
- **Model: MT0623**
- **Manufacturer: KanDao Technology Co.,Ltd.**
- **Address: 201 Sino-Steel building, Maqueling Industrial District,**
- **Maling Area, Yuehai Street, Nanshan, Shenzhen**

Documents / Resources

	KANDAO 20230215 Conference Camera [pdf] User Guide 20230215 Conference Camera, 20230215, Conference Camera, Camera

References

- KanDao - 360 VR Camera | 3D Camera | 3D 360 Camera | 3D VR Camera
- User Manual

Manuals+, **Privacy Policy**

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