OBSBOT Tail Air AI Streaming Camera User Manual

Contents

OBSBOT

OBSBOT Tail Air AI Streaming Camera

The OBSBOT Tail Air is an AI streaming camera designed for live streaming. It offers the following features:

- Artificial intelligence technology
- Camera operations
- Real-time image viewing through the OBSBOT Start APP
- Hardware components such as buttons, lights, buzzers, and interfaces
- Software functions such as device connection and video signal acquisition

Hardware Description

The OBSBOT Tail Air comes with the following hardware components:

- Buttons for switching on/off, sleep, and shutdown
- Lights to indicate power status and battery level
- Buzzer for low battery and error messages
- Interfaces including Type-C, HDMI micro, AUX, SD card slot, and dual microphones

Software Structure

The software of OBSBOT Tail Air is responsible for the following:

- Management of camera data transmission
- Control of the equipment
- Video transmission

The OBSBOT Tail Air is compatible with iOS 12 and above and Android 8.0 and above.

Detailed Function Description

Buttons

- Power on: Long press 3s to power on

- Sleep: In the power-on state, long press 3s to sleep
- Shutdown: In the power-on state, press and hold 10s to shut down
- Power display: Single press to check the power in the off state

Interfaces

- Type-C: Mainly used for charging or connecting to a computer to transfer files
- HDMI micro: Mainly used to connect to a monitor to display the current camera screen
- AUX: Aux audio interface, AUX 3.5mm audio interface can be used for headphones, microphones, computers and other devices with audio interface
- SD card slot: MicroSD card insertion
- Dual microphones: Used to capture external audio

Buzzer

The buzzer is used to indicate low battery and error messages.
It beeps three times in a row in the last second with a priority of1.

Lighting

The lights indicate power status and battery level. The solid light represents that the color of the light remains unchanged while the battery lasts. The breathing light indicates that the brightness of the light continues to increase from 10 to 100.

OBSBOT Tail Air Product Usage Instructions

Follow the steps below to use your OBSBOT Tail Air device:

1. Charge your device using the Type-C interface.
2. Turn on your device by long pressing the power button for 3 seconds.
3. Use the OBSBOT Start APP to view real-time images from the camera.
4. Use the different buttons to switch on/off, put the device to sleep, or shut it down.
5. Connect the device to a monitor using the HDMI micro interface to display the camera screen.
6. Use the AUX interface to connect headphones, microphones,computers and other devices with an audio interface.
7. Insert a microSD card into the SD card slot for additional storage.
8. Use the dual microphones to capture external audio.

Introduction

Purpose

This document is operation guide of OBSBOT Tail Air equipment and the Obsbot Start APP. In this document, we introduce the lights, buzzers and buttons of the device in detail. It also includes a specification of the software function modules matched with the device, so that readers can understand all the functions of the system and specific operation.

Definition

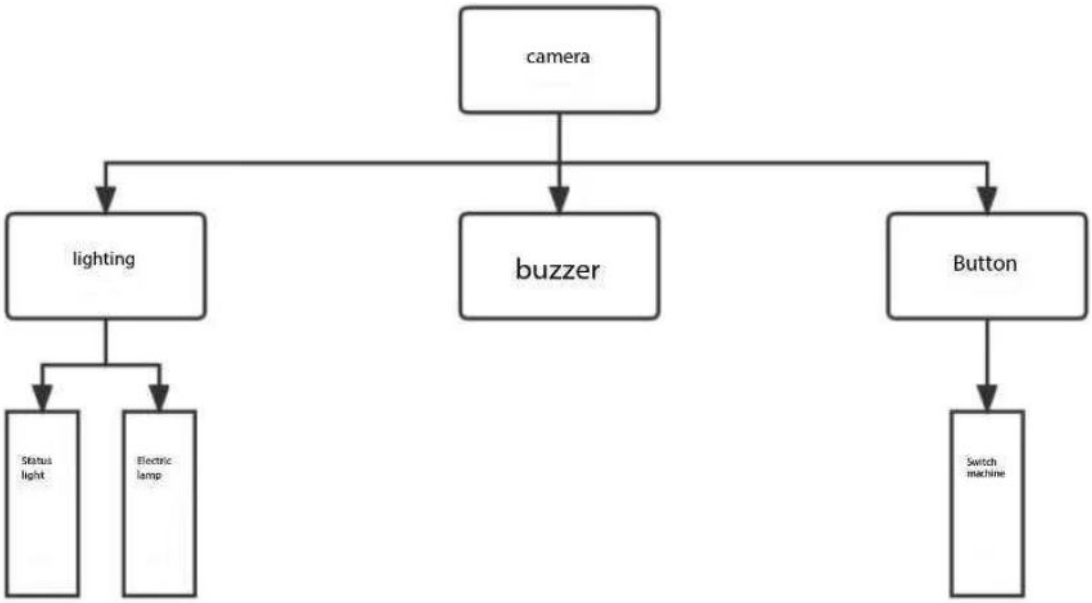
OBSBOT Tail Air is an AI streaming camera mainly for live streaming. It can be placed and used by fixedly placing it on the desktop, plane and other positions. By combining the artificial intelligence, camera and software operations, the APP can view the real-time images of the camera.

The software contains the following functions:

1. Connect device
2. Get video signal

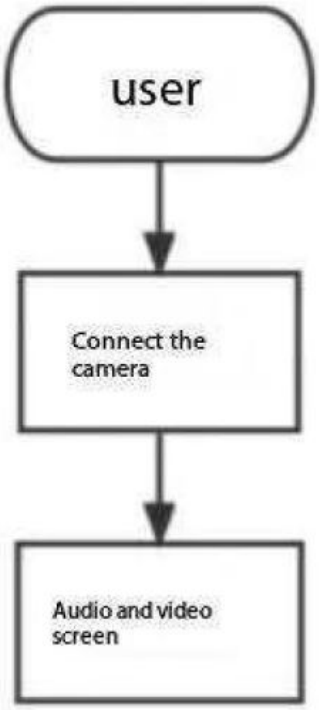
Overall Design

Hardware Description
The button of device is mainly for switching the device on and off, there are different lights and sounds when switching the device on and off, so that users can use the device more clearly and simply.



Software Structure

The software is for the management of camera data transmission, the control of the equipment and the video transmission.



Conditions and Restrictions
IOS: Compatible with IOS 12 and above
Android phone: Compatible with android 8.0 and above

Detailed Function Description

Hardware Function Description

Buttons

- Power on: Long press 3s to power on
- Sleep: In the power-on state, long press 3s to sleep
- Shutdown: In the power-on state, press and hold 10s to shut down
- Power display: single press to check the power in the off state

Interface Description
Type-C: Mainly used for charging or connecting to a computer to transfer files.
HDMI micro: Mainly used to connect to a monitor to display the current camera screen. AUX: aux audio interface, AUX 3.5mm audio interface can be used for headphones, microphones, computers and other devices with audio interface.
SD card slot: microSD card insertion.
Dual microphones: used to capture external audio.

Buzzer

Description of function:

function	sound	priority
Low battery and auto sleep	In the last 1s, ” DDD ” beeps 3 times in a row	1
Error message	“DDD · · · ” continuously beeps 6 times. Reasons for error messages: slow SD card, device connection error, high temperature warning, upgrade failure, etc.	2

Lighting

Description of function:

- Solid: Represent the color of the light remains unchanged and the battery lasts
- Breathing: The brightness of the light continues to increase from 10 to 100, and then continues to decrease from 100 to 10, which is one breath
- Horse racing: Represent the number of the lamp beads, 1-2-3-4, one time for horse racing

Action	Light Color	Effect	Frequency	Stop	Show	Priority
Shutdown	none	none	–	–	1	T1
Boot process, Shutdown	blue	horse racing	fast	Stop after complete shutdown and startup	1	T1
Device error	red	solid	–	Stop after device error is resolved	2	T1
The device is not ready, such as: TF card is not inserted, TF card is full	red	breathing	fast	Stop after device error is resolved	3	T1
STA mode	blue	solid	–	Switch to the mode that is always on, and the display in other situations takes precedence over this mode	9	T2
AP mode	White	solid	–	Switch to the mode that is always on, and the display in other situations takes precedence over this mode	9	T2

Software Function Description

Connection

1. **Function Description**

   OBSBOT Start only supports connecting to a single device. It can search for nearby devices through LAN and Bluetooth. After Bluetooth discovers the device, the user can configure the network for the device through STA/AP.

   LAN: Corresponding to the APP “LAN” connection, it is divided into two parts: wired and wireless. The wired connection cannot switch the connection. That is, if you find that the device and APP are in the same LAN, you can enter the shooting page.

   STA: Corresponding to the APP “Wi-Fi” connection, that is, connect the device and APP to the same LAN.

   AP: Corresponding to the APP “cellular data” connection, that is, connect the APP to the hotspot of the device, and streaming through the cellular data of the mobile phone.

2. **User Permission Description**

   Tail Air can be connected via mobile phone. Multiple devices can be searched at the same time, but one device only supports one APP to connect at the same time, and another APP cannot find the connected device.

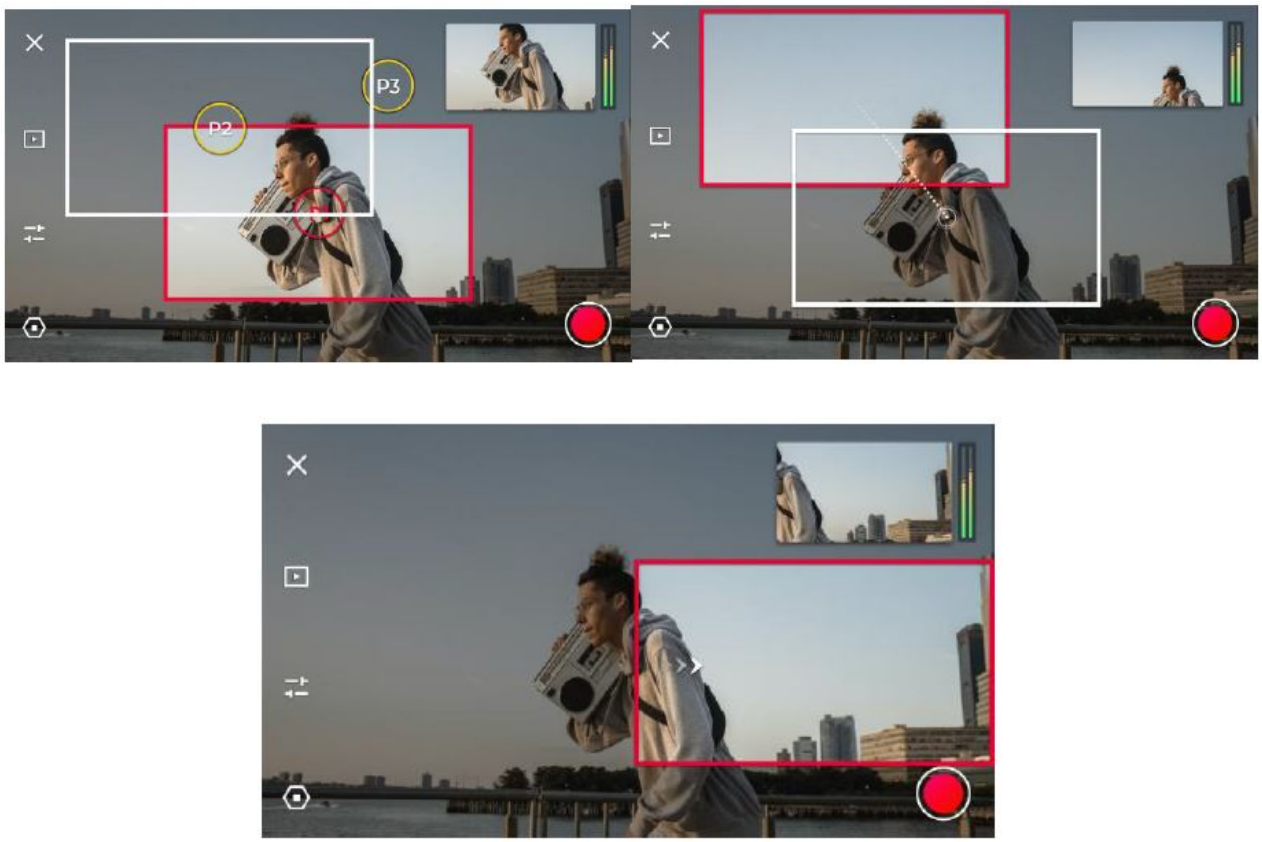
Requirements Description

- **Shooting Screen**
  1. The user needs to open the APP and turn on Bluetooth and Wi-Fi, and grant relevant permissions to the APP.
- Connect Device
  - Search the device through Bluetooth, click connect, confirm whether the Bluetooth is paired, wait for the Bluetooth connection if it is not paired. If it has been paired, start to choose the Wi-Fi connection directly, and enter the Wi-Fi selection page.

    Search the device through Bluetooth, select the cellular data connection, confirm whether the Bluetooth is paired, and wait for the Bluetooth connection if it is not paired. If it has been paired, connect the mobile phone to the device network, and you can enter the camera.

Function Description

After the device is successfully connected, you can enter the shooting screen, and you can switch the output screen by clicking the screen.



- **White box:** Preview position
- **Red box:** Output location
- **Preset position red:** Output preset position
- **Preset position yellow:** Preset position has been added, but not output

- **Movement path:** Display the movement path according to the connection of the center point of the output and preview frames
- **PTZ movement:** When the PTZ moves, the animation style of “>>>” will appear.

Requirements Description

- Output Display
  Display the output screen according to the output frame, and the output frame will always be the position of the “red” box
- Output Switch
  When clicking a position other than the preset position, it will directly switch the output screen to this position, and the screen is the default size of the frame
- PTZ Position
  When the preview frame slides to the edge of the screen, arrows guide(up, down, left, right, oblique) will appear, and the guide position will appear on the opposite side of the moving position (eg: slide to the right, the guide will appear on the leftmost inside the frame). PTZ rotates in this direction and stops when you let go.

FCC STATEMENT

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
2. This device must accept any interference received, including interference that may cause undesired operation.

Warning: Changes or modifications not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

NOTE: 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.

FCC Radiation Exposure Statement:
This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

IC STATEMENT
This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions:

1. this device may not cause interference.
2. this device must accept any interference, including interference that may cause undesired operation of the device.”

CE STATEMENT
This product complies with the radio interference requirements of the European Community.

- Product name: OBSBOT Tail Air
- Product model: OSB -2108-CW
- Manufacturer: REMO TECH Co.,LTD.

Frequency Range:

Max. Transmit Power:
SIMPLIFIED EU DECLARATION OF CONFORMITY
The simplified EU declaration of conformity referred to in Article 10(9) shall be provided as follows:
Hereby, REMO TECH Co.,LTD declares that radio equipment type MOCHA is in compliance with Directive 2014/53/EU, and this product is allowed to be used in all EU member states. The full text of the EU declaration of conformity is available at following company **website:www.remo-ai.com** .This product can be used across EU member states.

Documents / Resources

	**OBSBOT Tail Air AI Streaming Camera** [pdf] User Manual 2ASMC-OSB2108, 2ASMCOSB2108, osb2108, Tail Air AI Streaming Camera, Tail Air, AI Streaming Camera, Streaming Camera, Camera

References

- **OBSBOT - Webcam - Connecting You to the Future [Official]**