WALNUT CAMERA

QUICKSTART GUIDE
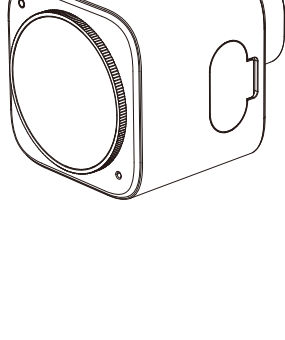
V1.0

■ Introduction of product

Status indicator
Detachable ND filter
Microphone
Power button

Type-C
Memory card slot
M button
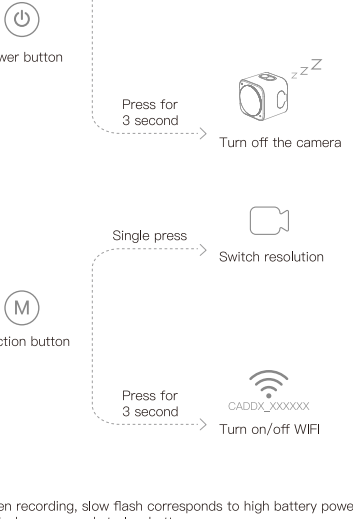USB Magnetic Connector
Buzzer
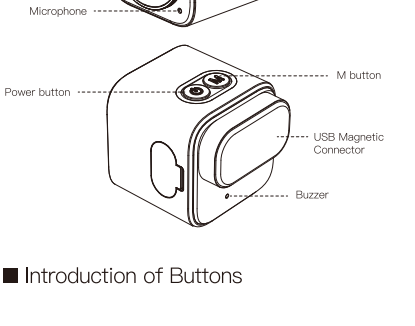
■ Introduction of Buttons

Power button

Single press — Off state: on / On state: record/stop

Press for 3 second — Turn off the camera

Function button

Single press — Switch resolution

Press for 3 second — Turn on/off WIFI

CADDX_XXXXXX

* When recording, slow flash corresponds to high battery power, and flash corresponds to low battery power
* If camera is unresponsive press for 10s seconds power off

■ Wiring

Buck module

Yellow: KEY (FC UART TX)*
Black: GND
Red: Vbat+ (5-25.2V)

*The KEY signal line can remotely control the camera through the flight control, please read the relevant precautions

■ Power supply and remote control

The walnut camera uses two power supply modes: built-in battery and 5-25.2V external power supply. Supports remote control of the camera's power on/off, start recording/stop recording. Take the commonly used flight controller Betaflight F405 as an example to illustrate how to configure the remote control to turn on/off the recording function.The wiring diagram is shown in the figure below, and the TX1 pin on the flight controller is used to control the recording on/off.

Enter the following blue fonts to configure the PINIO function of the TX1 pin.

resource SERIAL_TX 1 NONE   //Disable the serial port function of the TX1 pin

resource PINIO 1 A09   //Configure the TX1 pin (The example is A09 pin, different flight control pins are different, please fill in according to the actual) as PINIO function No. 1

set pinio_box = 40,255,255,255   //Set the PINIO function range

save   //save configuration

Next, configure the PINIO function mapping between the remote controller and flight controller. In Betaflight Configuration, map the No. 1 PINIO function (ie USER1 in the figure below) to the AUX channel of the remote control

The trigger mode is a low level trigger, the cursor from the yellow area to the white area and then to the yellow area is a trigger, the camera performs recording or stops recording.

■ USB Magnetic Connector

The USB connector can be connected by attaching it to the back cover of the walnut body. Pay attention to avoid sundries on the surface of the magnet that will affect the contact effect.

■ Data transmission

Method 1: Directly insert the memory card into the card reader to read data
Method 2: Insert the Type-C cable into the USB port on the side of the walnut to read the camera data
Method 3: Insert the Type-C cable into the USB magnetic connector to read the camera data

■ APP download

Step 1: Scan the QR code below with your mobile phone or go to the APP Store to search for "CaddxFPV" to download and install the CaddxFPV app.

Step 2: Turn on the phone WIFI. Short press the camera power button to turn on the camera and wait for the camera buzzer to sound, then long press the M button to turn on the camera WIFI.

Step 3: Open the CaddxFPV app and click the "Connect Now" button. Connect to the WIFI whose name is "Caddx_*****", and the WIFI password is "12345678". After the connection is complete, click back and click to enter the camera parameters.

Step 4: Click the gear in the lower right corner of the app to set the camera parameters.

■ APP view content

After shooting, connect to the app, enter the app album page, and view the shooting content. You can also take photos and videos directly through the app.

■ Mounting case

The camera mounting adapter can prevent the camera from being damaged from falling, and you need to choose a suitable base for installation when using it.

■ Precautions

Regarding the use of accessories, please note:
1: The product or accessories contain small objects, be careful to prevent children from swallowing.
2: All accessories are not recommended to be used during high-intensity exercise, otherwise the camera or accessories may fall off.
3: Keep the magnetic surface clean to prevent poor connection.

Regarding firmware upgrade, please note:
1: Before upgrading, please ensure that the camera is fully charged
2: Card swipe upgrade steps
(1) First delete the old firmware in the tf card (if any)
(2) Import the latest firmware into the tf card
(3) Insert the TF card into the camera TF card slot
(4) Short press the power button to turn on
(5) The blue light of the camera flashes quickly and enters the firmware flashing state
(6) When the indicator light turns green, the firmware flashing is completed.

■ Indicator status

Camera status	Indicator status
Camera is power on	Steady green light(the default is green light, the color of the light is different in different modes)
The camera is flashing the firmware	Blue light flashes quickly
camera is charging	Steady red light
4K recording mode	Steady green light
2.7k recording mode	Steady blue light
1440P recording mode	Steady Cyan light
1080P recording mode	Steady Cyan light
Charging while recording	Steady red light, Indicator light flashes slowly
Battery indicator	When the battery is above 70%, the flashing frequency of the light is once every 2s in the recording state
	When the battery is 20-70%, the flashing frequency of the light is once every 1s in the recording state
	When the battery is below 20%, the flashing frequency of the light is once every 0.5s in the recording state

*The effective distance of the camera WIFI transmission (no interference and no obstruction) is 10 meters, and the effective transmission distance will vary due to different usage scenarios.