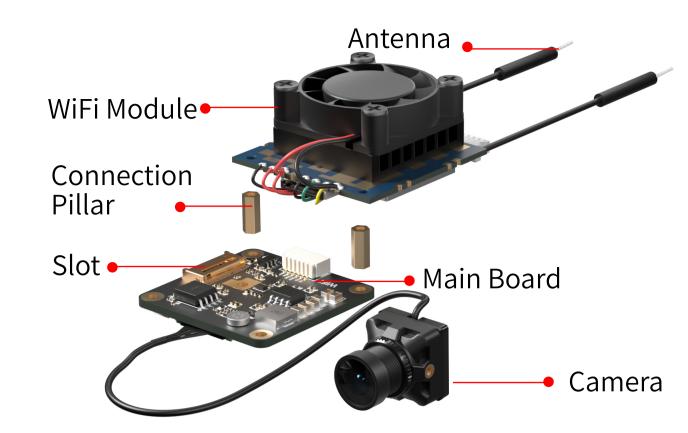
WiFiLink Installation and Usage Guide

1 Component



Installation

Metal pillars must be used to connect the main board with the WiFi module to ensure effective heat transfer from the main board to the WiFi module.



Installation Method 2 Offset Stacking



Other Precautions

Antenna Layout ·Antenna Installation:

Ensure the two tail antennas are sufficiently spread

apart to avoid entanglement, which could reduce signal interference. · Antenna Direction:

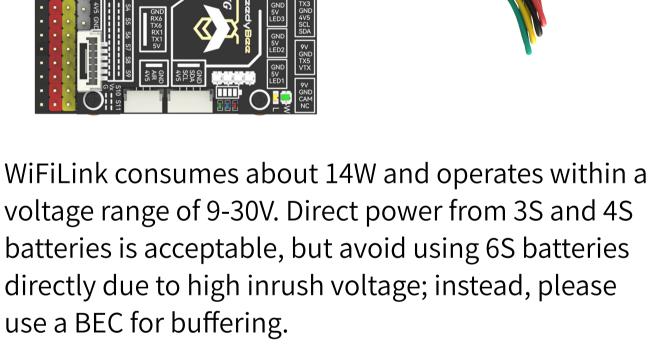
Adjust the antennas to point upwards whenever

possible to avoid obstruction by the drone or battery, ensuring the best signal transmission.



The wiring sequence of the two ends of the 4PIN

power cable is opposite. Confirm the direction before connecting to ensure correct insertion and avoid damaging the device.



Resolution 1080P@60FPS/1080P@90FPS/720P@120FPS DC 0 201/DEC

Model

Sensor

FOV

Specifications

WiFiLink

IMX415

160°

Power Supply	DC 9-30V (BEC power supply highly recommended. Non-direct power supply from Lipo battery)
Lens Module	1919mm/M12 Lens/MIPI Cable
Specs	Length 200mm
Hole Distance	25.5*25.5mm
PCB Size	30mm*30mm (Main Board)
	32mm*32mm (WiFi Board)
Weight	30g
Antenna	IPEX1 (5G)
Power Amplifier	29dBm
•	29dBm WiFiLink FAQ
5 How	to Use WiFiLink
WiFiLink req steps below	uires no configuration. Simply follow the

phone. FPVue APP Download: https://github.com/gehee/FPVue_android/releases

Install the APP

PixelPilot Download:

[↑] No wfb-ng data.

□ 1920x1080@0 0.0 Kpbs 14.7 ms

 Copy and Replace the Key Copy the "gs.key key" file generated by WiFiLink

Install the FPVue APP or PixelPilot on an Android

into the phone's storage.

https://github.com/OpenIPC/PixelPilot/releases

Codec OSD No compatible wifi adapter found. Recording 3.93V 🕠 No wfb-ng data. **15.73**√ □ 1920x1080@0 0.0 Kpbs 14.7 ms **©** 00:38 gs.key No compatible wifi adapter found. 0.85 degree 3.93V

15.73√

Set Parameters Set the Channel to 173,

and the Video Codec to H.265.



Auxiliary Tool Links OTG Cable Reference to:

https://item.jd.com/10087520840342.html#crumb-wrap 8812AU Wireless Network Adapter Reference to: https://item.taobao.com/item.htm?id=597898122636

6 How to Flash WiFiLink

Card Flashing Steps: Prepare Files

Copy the "WiFiLink-part0.bin" and "WiFiLink-part1.bin"

card. Upgrade Steps

Insert the SD card into the camera's main board and

card flashing files to the root directory of an empty SD

power it on. The camera will automatically enter upgrade mode (about 15 seconds). Once the upgrade is complete (about 1 minute), the

green light will stay on and the SD card content will be cleared. After re-powering, a new configuration file ("gs.key" and "user") will be generated on the SD card. Card flashing file:

https://www.runcam.com/download/runcamwifilink

How to Obtain WiFiLink Keys and Configuration Files Insert the empty SD card into the camera and power

it on. The camera will automatically generate the

required configuration files upon startup. 8 How to Set WiFiLink Parameters

It is recommended to use Notepad++ to edit the user

file, which only supports modifying the parameters listed under Available Values, including:

ResolutionRatio	Bitrate	
Mirror	Flip	
Rotate	Contrast	
Hue	Saturation	
Luminance	•••	
9 How to Use the Ethernet Port		

Default Settings: IP Address: 192.168.1.10

Username:root Password:12345

10 How to Pair with Ground Station

WiFiLink is paired with the FPVue APP by default. If

you need to pair it with another ground station, copy

the WiFiLink's "gs.key" key to the corresponding location on the ground station. What Other Ground Stations Are Compatible

Computer and Radxa ZERO 3W Development Board How to Use with a PC Ground Station

·Step 1 Insert the 8812AU wireless network adapter into the computer and reconfigure the driver using the

Download:

Follow the steps below:

 \times

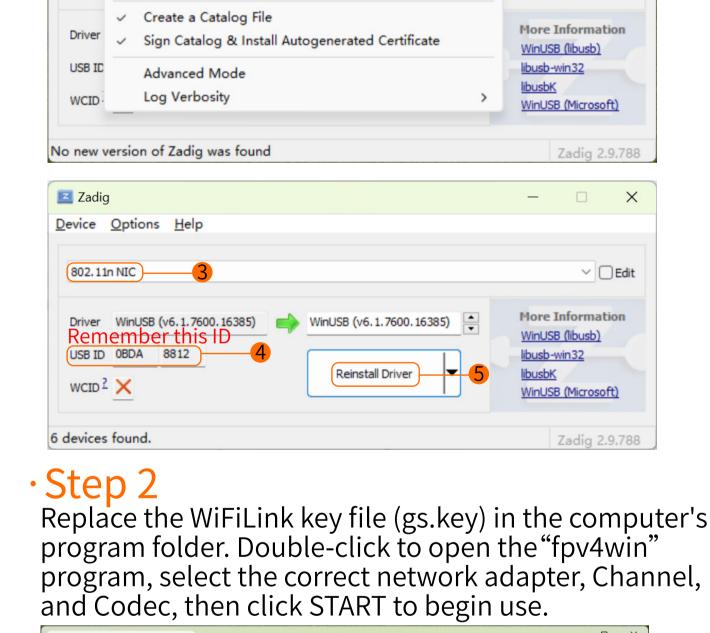
∨ Edit

https://github.com/OpenIPC/fpv4win/releases

Zadig program. **Zadig** Device Options Help

List All Devices

Ignore Hubs or Composite Parents



全主文件夹 OneDrive

● 音乐 🛂 视频 gs.key

& brotlicommon.dll 2024/6/25 13:25 brotlidec.dll 2024/6/25 13:25 bz2.dll 🔙 桌面 2024/8/3 10:41 配置设置 double-conversion.dll 2024/6/25 13:25 应用程序扩展 75 KB ■ 文档 freetype.dll 676 KB 🔀 图片

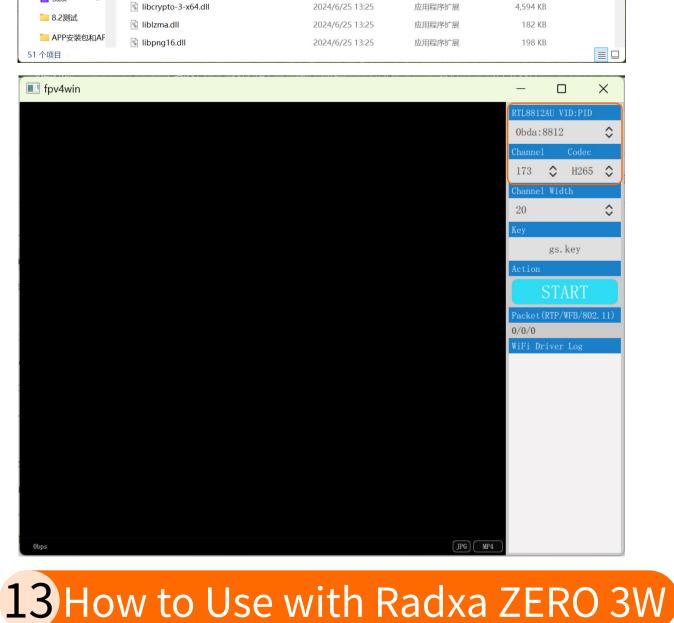
2024/6/25 13:25

应用程序扩展

在 fpv4win-0.0.5-beta 中搜索

1,070 KB

□ 详细信息



Visit:

Contact our technical support for detailed guidance.

Troubleshooting: What to Do If

Check Power Supply: Ensure the power supply is normal and verify that the Channel, Codec, and Key are correctly matched.

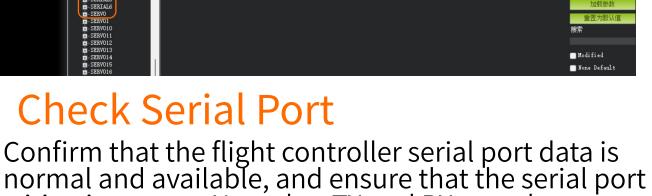
https://support.runcam.com/hc/en-us

Troubleshooting: No FC OSD Information on Screen Check Configuration Ensure that the configuration settings are correct. The

three parameters should be: 115 (corresponding to 115200), 0, 1, or 2 (corresponding to Mavlink1 or 2).

ERIAL5_PROTOCOI

飞行计划 初始设置 配置/调试 模拟 栽助



wiring is correct. Note that TX and RX must be

Check Serial Port

cross-connected.