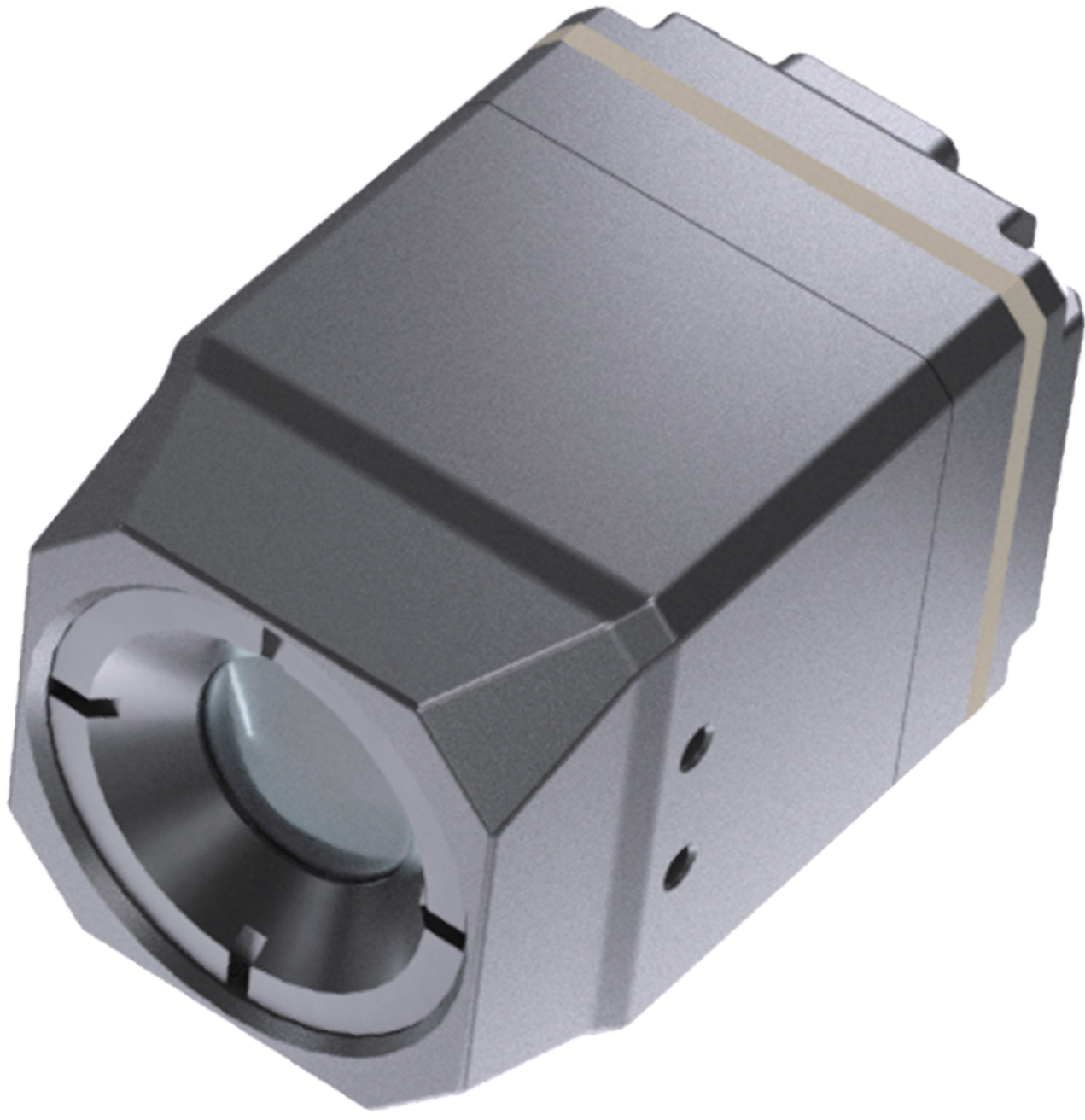


FN CA006 V2

Quick Start Guide

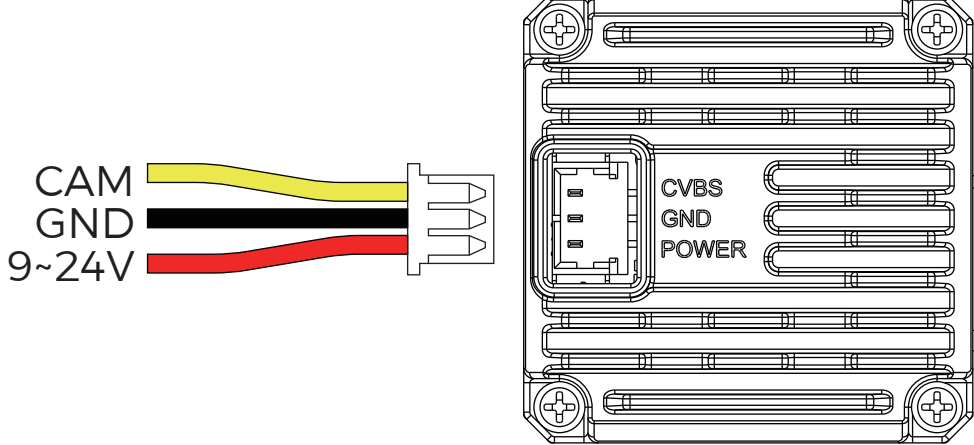
V1.0



Connection

Power / CVBS Connection:

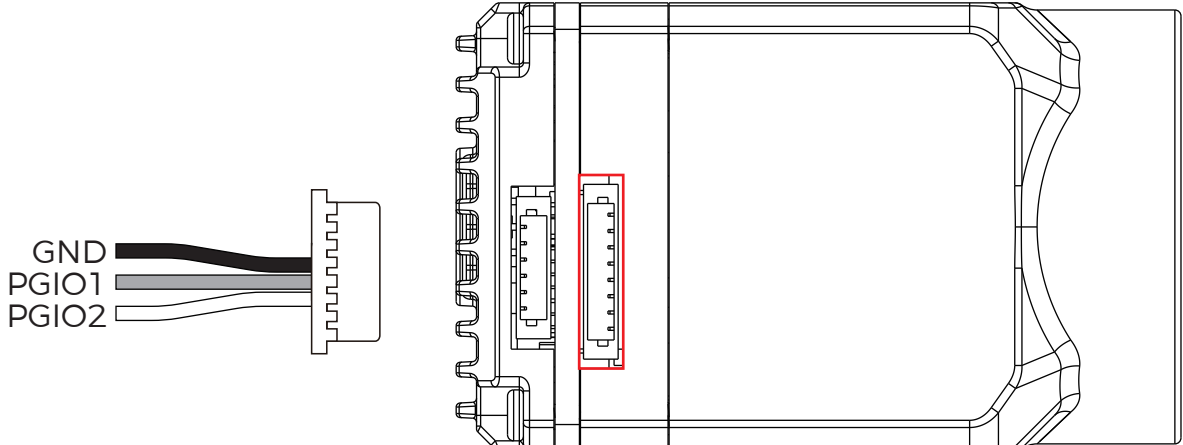
- 1.CVBS: Connect to the FC CAM interface
- 2.GND: Connect to the GND
- 3.POWER: FC pad 9~24V



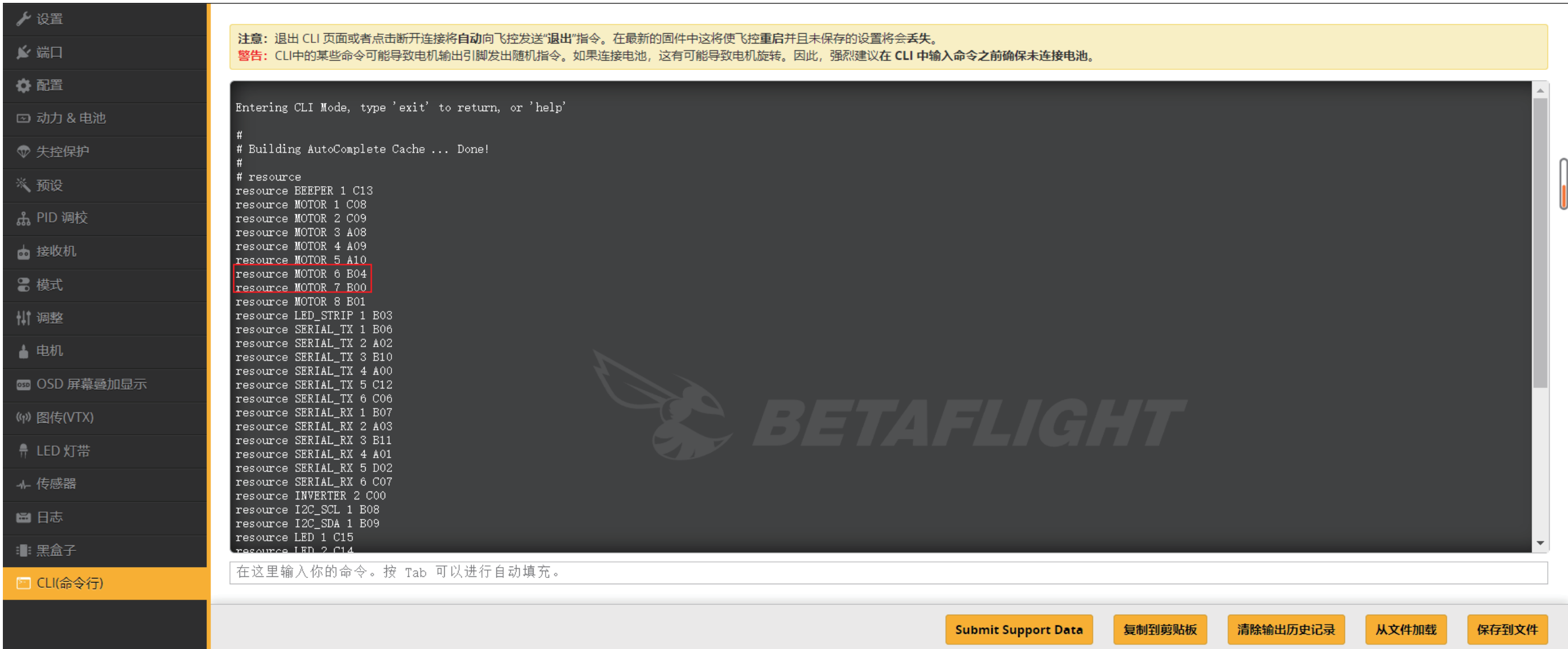
Brightness Control Settings

To remotely control the different brightness levels of the Eclipse Lite 006 via the remote controller, using the commonly used Betaflight F405 FC as an example, here is how to configure the remote control to switch brightness levels.

1.Taking FC E6 and E7 as examples, ensure that E6 and E7 are not occupied in the PWM settings. Connect the Eclipse Lite 006 serial port 8PIN cable to Gpio 1 and Gpio 2, and solder them to the FC E6 and E7 pins. The GND also needs to be connected to the FC GND, as shown in the image below:

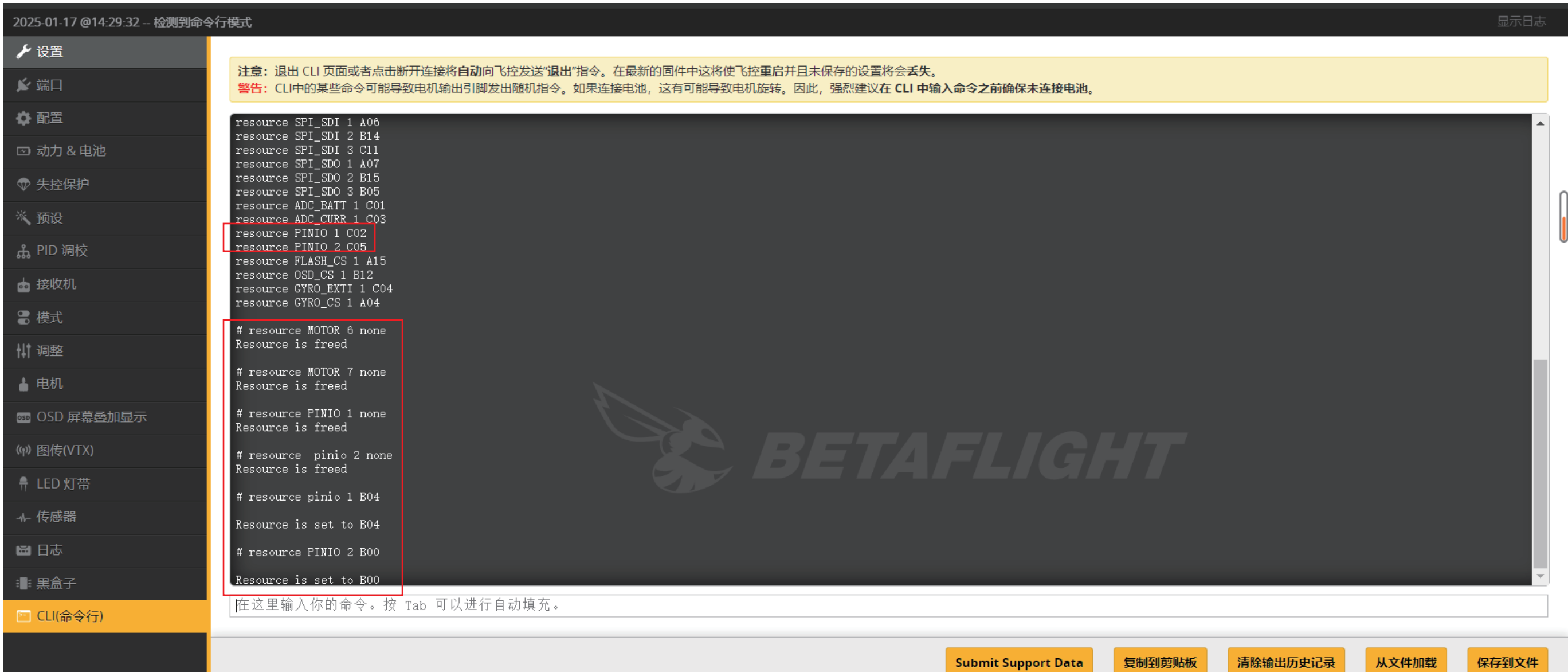


2.Open Betaflight Configurator, go to the "CLI" command line, and type "resource+" and press Enter to query the pin definitions for MOTOR 6 (E6) and MOTOR 7 (E7).

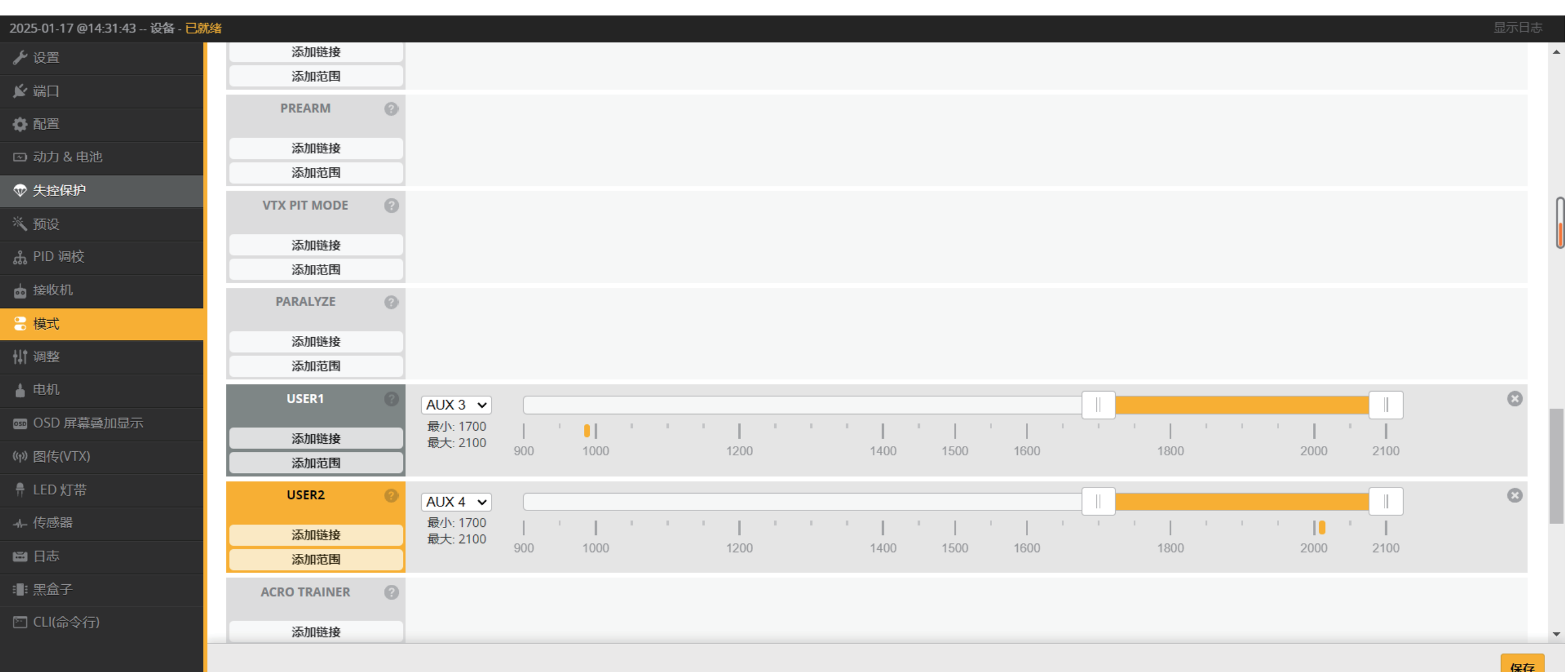


3.For demonstration, if the E6 and E7 pins on the flight controller are B04 and B00, input the following commands to configure the PINIO function (as shown in the image below):

- Resource MOTOR 6 none // Disable the original function
- Resource MOTOR 7 none // Disable the original function
- Resource pinio 1 none // Disable the original function
- Resource pinio 2 none // Disable the original function
- Resource pinio 1 B04 // Configure B04 as PINIO function 1 // Different flight controllers have different pins, change according to actual pins
- Resource pinio 1 B00 // Configure B00 as PINIO function 2 // Different flight controllers have different pins, change according to actual pins
- SAVE // Save the configuration



4.Next, configure the mapping relationship between the remote control and the flight controller's PINIO functions. In Betaflight Configurator, map the PINIO 1 function (shown as USER1 in the image below) to the AUX channel of the remote control, and map the PINIO 2 function (shown as USER2 in the image below) to the AUX channel of the remote control. Each PINIO needs to be assigned to a separate AUX channel.



Specifications

Model	FN CA006 V2
Sensor	Uncooled VoX
Resolution	640x512
F.NO	F1.0
Focal Length	9.1mm
FOV	48.3°(H)*38.6°(V)*66°(D)
Frame Rate	50Hz
Power Consumption	<1.5w
Video Interface	PAL
Supply Voltage	9V~24V
Operating Temperature	-20℃~60℃