flamingo

Smart Tracking 3-Axis Gimbal

www.zyxrc.com

1 To know Flamingo

Compatible with multiple cameras | Powerful core | Intelligent tracking module | Infinite rotation | Smartphone application

*Only the main body of Flamingo PRO is equipped with intelligent tracking module.

*This product does not include cameras and camera equipment, the camera displayed is for reference only, please subject to real products.

1.Hand screw
2.Camera fixing plate
3.Lens fixing screw
4. Lens support frame
5. Screw for lens support frame
6.Intelligent tracking module
7.1/4 inch screw
8.Hand screw
9.Cross-arm
10.Vertical-arm
11.Four-headed stick
12.MODE
13.Screen
14.USB
15.ON/OFF
16.Stick

2 Installation and balance adjustment

Notice: Please install the camera correctly according to the following steps. Do not turn on stabilizer before the installation.

STEP-1 Camera installation

Place the camera on the quick loading plate, and align the 1/4 inch screw on the bottom to the empty slot of the quick loading plate, then tighten the screw (5) and the camera.(please make the camera close to the pitch axis motor when mounting)

STEP-2 Balance adjustment of pitch axis

Please loosen the screw (7) on the quick loading plate so that it can slide forward and backward.
*Pull out the screw and rotate, repeat the action to realize the adjustment of the tightness.

Push the camera forward and backward and trim it until the camera is stationary and can keep close to the horizontality state, then tighten the screw (7).

Please loosen the screw (3) first, and move the camera position until the camera is stationary and can keep close to the vertical state, then tighten the screw (3).

STEP-3 Balance adjustment of roll axis

Please loosen the screw (1) and make the cross-arm (2) be close to the horizontality state, then then tighten the screw (1).

STEP-4 Balance adjustment of yaw axis

Please loosen the screw (6) and move the Vertical-arm (4) position until the Vertical-arm is stationary and can keep close to the vertical state, then tighten all of the screws, then adjustment finished.

3 Battery preparation and instruction

*For the first use, please charge first to activate the battery.

Product name: 26500mAh Li-po battery charger
Product model: ZF-26500
Input: DC-5V 1.0A-2.0A
Output: 4.2V

Indicator light Flashing when battery is in charging
The indicator light will be on when the charging is completed

26500 Lithium battery/Capacity:3600mAh/Voltage3.7V

Notice:
1. ZF-26500 Li-po battery is dedicated for ZXY charging, please do not use it for other models and brand batteries, otherwise it may cause accidents.
2. Please use the qualified 5V adapter, the output current should be more than 1000mA;The charging time will depend on the maximum output current of the adapter.

Unofficial use of ZXY-supplied battery is prohibited. ZYX will not be responsible for any battery accident and equipment failure caused by battery supplied by non-ZYX official.

4 Control panel instructions

- Four-headed stick
  The movement of the stick moves up, down, left and right, respectively, to control the camera lens up and down, left and right direction of Four-headed adjustments.
- ON/OFF
  Start stabilizer (long press) / close stabilizer (long press)Click the camera shutter after the camera is turn on. After connection, double-click will start the video, or double -click to stop the video.
- Slider
  Camera zoom function in T/W
- Screen
  The screen will display the current mode and the remaining power of the stabilizer after opening the stabilizer.
- MODE
  Click MODE to switch the stabilizer's mode of operation. Each click can be sequentially switched between the pointing follow mode, the lock mode, and the free follow mode. Double click the MODE, and the lens rotates 180 degrees, and the mode will not change. Long press the MODE key will enter the standby state, again long press MODE key can active the Flamingo.

*For more details please read the Camera Control Manual

5 Starting stabilizer

Unscrew the handle back cover and load two 26500 lithium batteries (Notice that the cathode is united in the direction of the arrow) , then tighten back cover (Please ensure that the back cover is tightened, otherwise the stabilizer cannot be started)

Once the battery has been installed, hold the power switch for 1 second to wait for the start of stabilizer.

Notice:
Please use the original battery; otherwise it may cause accidents; when first time to use the machine, please gently lifted the camera to prevent stabilizer failure.

6 Multi-mode conversion instruction

Directed following mode | Lock mode | Free following mode

- Directed following mode:
  Lock onto pitch axis and roll axis, horizontal direction of the camera can rotate according to handle.
- Lock mode:
  Lock onto pitch axis, roll axis and camera direction.
- Freedom following mode:
  Lock onto roll axis, pitch axis and direction of the camera can rotate according to handle.

* The original boot default is Directed following mode, single click to switch the three modes mentioned above.

7 Calibration

*On the official website(www.zyxrc.com) to download the FlamingoAPP

1.Install batteries properly, and start the stabilizer of Flamingo
2.Long press "Mode" to get into holding state.
3.Stabilize the camera to a horizontal and stable state.
4.Start mobile APP, find "Calibration" in setting menu until "Calibration complete" display on the screen (During the standardizing process, the camera should be placed in a horizontal and stable state)
5.Long press "Mode" again after standardizing completion to active stabilizer of Flamingo.

*The swing of camera plate during the standardizing process may cause calibration failure, please restart again until calibration complete.

8 Instruction of intelligent tracking function

*Only the main body of Flamingo PRO is equipped with intelligent tracking module.

Intelligent tracking

1.On the official website(www.zyxrc.com) to download the FlamingoAPP
2.Start the stabilizatior of Flamingo, use mobile device to search "Flamingo" and connect the Bluetooth function.
3.Connect to the Intelligent tracking function WiFi(password：88888888)
4.Open mobile App; find "Control" on the home page; then, click "Control" button to access the control interface.
5.When image of intelligent tracking appears, please select the certain target in the image area; if successfully select the target, ICON of intelligent tracking function will be displayed in the status bar, which represent the successful activation of intelligent tracking function
6.Click any image area to quit the intelligent tracking fuction.

9 Firmware update

Please contact www.zyxrc.com to download the latest firmware matched to Flamingo

10 Item list

Item Name	Amount	Item Name	Amount
Flamingo Stabilizer	1	Camera retaining screw	1
Stabilizer battery compartment	1	26500 lithium battery	2
Frame support	1	26500 lithium battery charger	1
Lens retaining screw	1	USB cable	1

Before using the produce, please check if the item is missing. If any item misses, please contact ZYX or relevant agent.

11 Parameter specification

Item	Minimum	Standard	Maximum
Payload weight	350g		1900g
Working voltage	6.8V	8.4V	12.6V
Working current	80mA	110mA	600mA
Working temperature	-10°C	25°C	45°C
Working hours (In the gravity equilibrium status)	12h		18h
charging time		3h	
Tracking error in stationary attitude	±0.01°		±0.03°
Tracking error in dynamic attitude	±0.05°		±0.2°
Motion angle of Pitching axis		360°	
Motion angle of Rolling axis		360°	
Motion angle of Pointing axis		360°	

12 Contact

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