FeiyuTech

AK2000S

3-Axis Stabilized Handheld Gimbal for Camera

Instruction

EN V 2.0.1

Catalogue

Introduction

AK2000S is a professional 3-axis stabilized handheld gimbal for DSLR and mirrorless camera. It is compatible with popular DSLR and mirrorless cameras on the market. Its detachable versatile arm handle, makes it available to be supporting by single hand and low angle shooting, and is allowed to mounted on tripod and other adaptor.

AK2000S is designed with function button and LCD touch screen, which can switch the gimbal working mode, control the rotation and the parameters setting by one hand. The camera shutter cable is equipped for controlling the photography, video recording and focus following directly at handle.

Suggestion

Feiyu AK2000S includes below information, please read the information before using the gimbal:
1. Quick start guide
2. Online instruction
3. Tutorial
The tutorial videos can be watched at FeiyuTech official website or scan the QR code.

https://www.feiyu-tech.com/play/
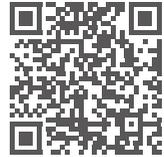
Feiyu ON App

Feiyu ON App is needed while using the gimbal. Please download Feiyu ON at your smartphone App Store or scan the QR code as below. <u>See P21 for more.</u>

1. Product Overview

Touch Screen

- Camera Connection
- Bluetooth
- Multifunction Knob Control
- Battery Level
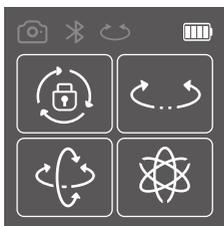
- All Lock Mode
- Pan Mode
- Follow Mode
- All Follow Mode

Joystick
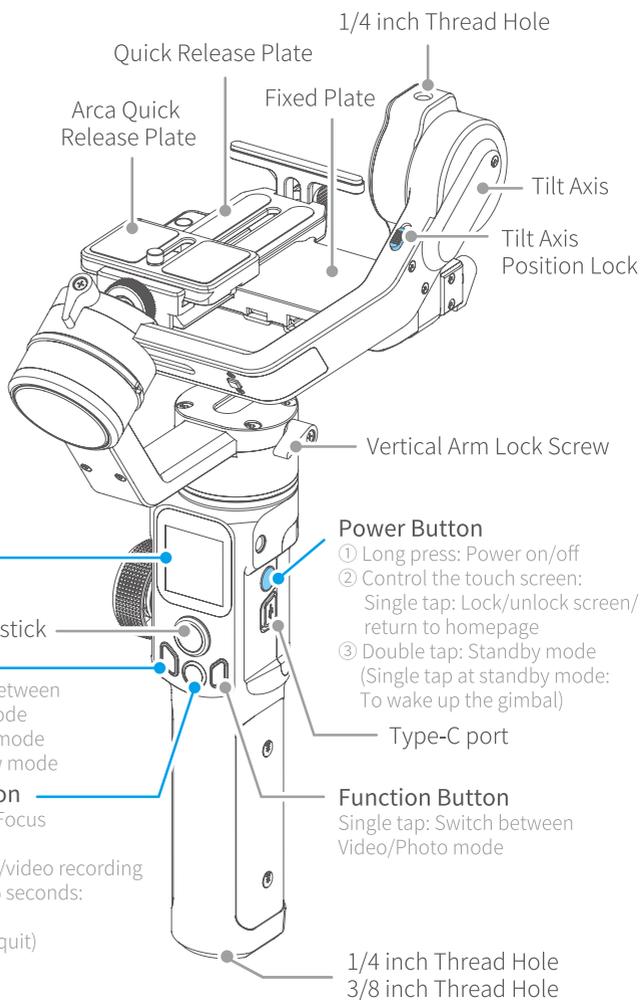
Mode Button
Single tap: Switch between
pan mode & lock mode
Double tap: Follow mode
Triple tap: All Follow mode

Shutter Button
Press Halfway: Focus
Single tap:
Photo shooting/video recording
Long press for 5 seconds:
Auto-burst shot
(Press again to quit)

1/4 inch Thread Hole

Quick Release Plate

Arca Quick
Release Plate

Fixed Plate

Tilt Axis

Tilt Axis
Position Lock

Vertical Arm Lock Screw

Power Button
① Long press: Power on/off
② Control the touch screen:
   Single tap: Lock/unlock screen/
   return to homepage
③ Double tap: Standby mode
   (Single tap at standby mode:
   To wake up the gimbal)

Type-C port

Function Button
Single tap: Switch between
Video/Photo mode

1/4 inch Thread Hole
3/8 inch Thread Hole

* This product does not include the camera.

Cross Arm

Safety Lock for Arca
Quick Release Plate

Cross Arm Lock Screw

Sliding Arm

Roll Axis

Sliding Arm
Lock Screw

Lens Holder

Roll Axis Position Lock
Quick Release Plate Safety Lock

Thumb Screw

Vertical Arm

Pan Axis Position Lock

Pan Axis

Multifunction Knob

Trigger Button
Press & hold: Follow mode
Double tap: Reset
Triple tap: Selfie mode
(Pan axis turn 180° to shoot)

Handle (Built in Battery)

Standard kit accessories

USB 2.0 to Micro
(A01)×1

USB 3.0 to Micro 3.0
(A02)×1

USB 2.0 to Mini
(B01)×1

USB 2.0 to Type-C
(C01)×1

Type-C to Multi
(Sony Shutter Cable)
×1

DC 2.5mm(Panasonic
Shutter Cable)×1

Type-C to TRS 2.5
(T02)×1

Anti-slip metal
tripod×1

Versatile arm
×1

Advanced kit accessories

Advanced kit includes all the accessories which standard kit has,
and added the accessories as below:

Brushless Follow
Focus(AKF2)
×1

Wireless MIC Kit

Hyperlink remote
controller×1

Extension rod×1

Multifunctional
bracket for tilt axis×1

Wireless MIC×1
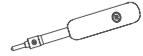
Wireless receiver×1

2. Start to Use

> ⚠️ **TIPS**
> 1) Please mount the camera and balance it before Power ON.
> 2) When the battery is low, please charge the gimbal.
> 3) When not in use for a long time, power off the gimbal.

2.1 Charging

> ⚠️ Please fully charge the battery before power on the gimbal for the first time.

Open the USB rubber cover. Connect the USB 2.0 to Type-C (C01) cable to charge. Quick charge is available.

USB 2.0 to Type-C(C01)

2.2 Unlock and Lock

Each rotating axes has a position lock for convenient balancing and storage.

⚠ Be sure to unlock the position locks before using the gimbal.
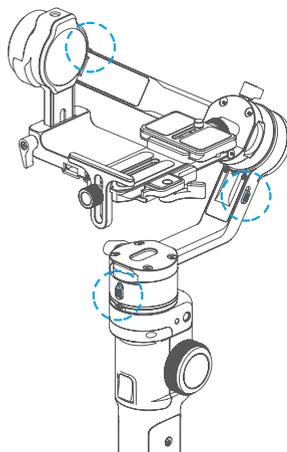
| 🔒	Lock
🔓	Unlock

Step:

Stored lock satus
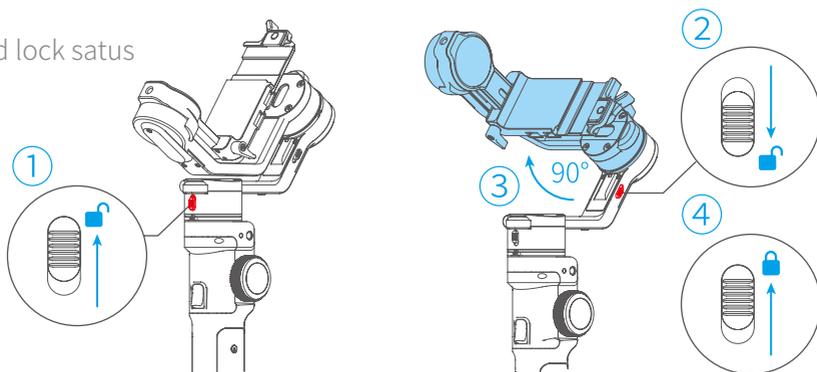
Balanced lock satus
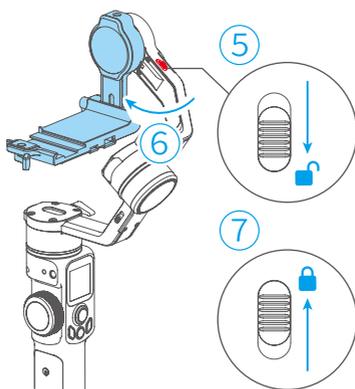
2.3 Camera Installation

⚠️ Camera is ready to shoot. (The lens cover should be removed from the camera and the memory card and battery needs to be inserted to the camera to complete all the connections.)
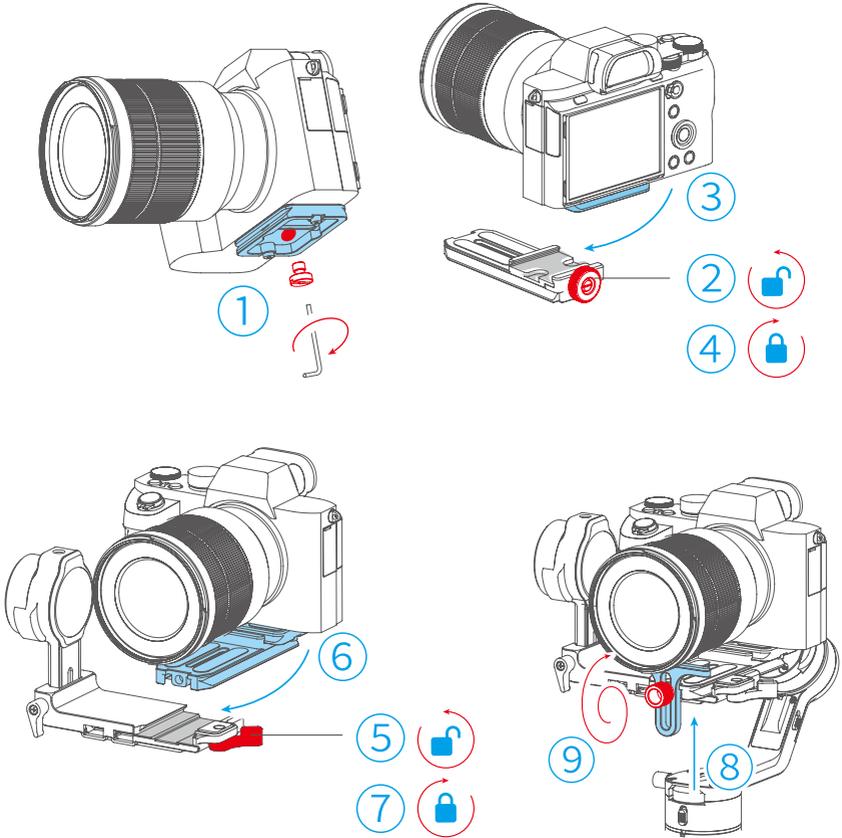
2.4 Gimbal Balancing

For ideal shooting effects, balancing the gimbal is necessary, and accurate balance will offer longer battery life.

⚠ **TIPS**
1) Before balancing the gimbal, please lock the gimbal at the balanced lock status, and the lens cover should be removed from the camera and the memory card needs to be inserted to the camera to complete all the connections to ensure that the camera is ready for shooting.
2) During balancing the gimbal, make sure the camera and gimbal are all powered off.
3) If it is needed to add accessories after the balance is completed, gimbal needs to be re-balanced again.

Balanced standard: the camera can stay stably at any angles.

2.4.1 Balance tilt axis

Step (a)
· Turn the camera lens upwards.
· Let it go, observe the dropping direction of the camera.
· Loosen the lock screw(red).
· Move the camera.
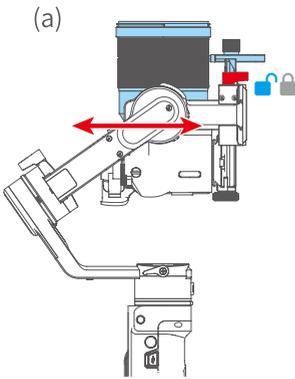
Step (b)
· Turn the camera lens forward.
· Let it go, observe the dropping direction of the camera.
· Unlock the safety lock(red).
· Move the camera.

(a)

(b)
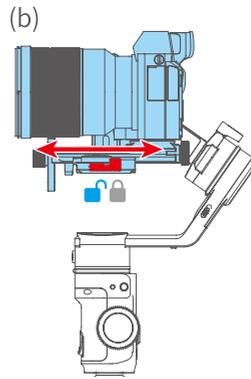
2.4.2 Balance roll axis

· Unlock the safety lock(red).
· Let it go, observe the dropping
direction of the camera.
· Loosen the lock screw(red).
· Move the camera.
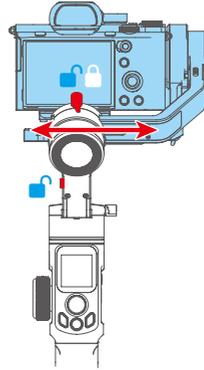
2.4.3 Balance pan axis

· Hold the handle and slant it (＞15°), put
the vertical arm horizontally.
· Let it go, observe the dropping
direction of the camera.
· Loosen the lock screw(red).
· Move the camera.
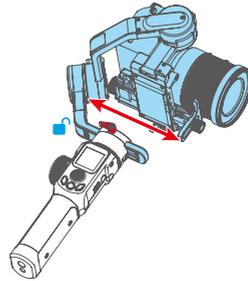
2.5 Power ON/OFF

⚠ Be sure to unlock the position lock before using the gimbal.

Long press power button, release the button until it shows **FJ** on display.
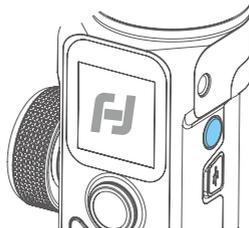
3. Function operation

3.1 Mode/Function Introduction

① Pan Mode (Default mode)
The roll and tilt direction are fixed, and the camera moves according to the left-right movements of the user's hand.

Default Mode
(Pan Mode)
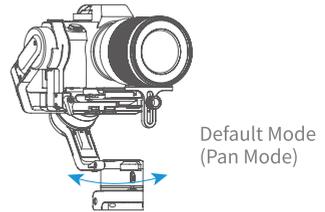
② Follow Mode
The roll direction is fixed, and the camera moves according to the left-right or up-down movements of the user's hand.
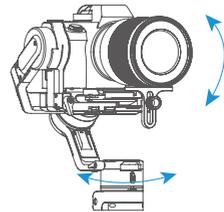
③ All follow Mode
The camera moves according to the user's hand.
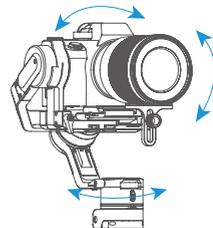
④ Lock Mode
The orientation of the camera is fixed.
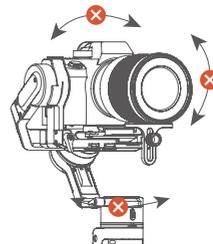
⑤ Reset
Return to Pan Mode, 3-axis return to initial position.
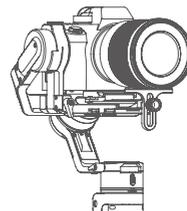
⑥ Manual Lock
Slide the tilt axis to a desired position, and hold on for 0.5 second. Set the camera position accurately and conveniently.

⑦ Auto-rotation mode
Auto-rotation mode helps user setup and automatically taketime-lapse photography. It can set rotation route and time.

⑧ Inception Mode
Single tap **Inception** menu on screen, setting rotate speed and direction on the screen directly.

⑨ Selfie Mode
The camera turns 180° horizontally, selfie shooting is available.

⑩ Protrait Mode
Single tap **Portrait** menu on screen to enter portrait mode for livestream/Tiktok.

To get more videography skills with gimbal and it's tutorial, please kindly visit our official or download Feiyu ON App.
http://www.feiyu-tech.com

3.2 Button Operation

Mode Button   Shutter Button   Function Button
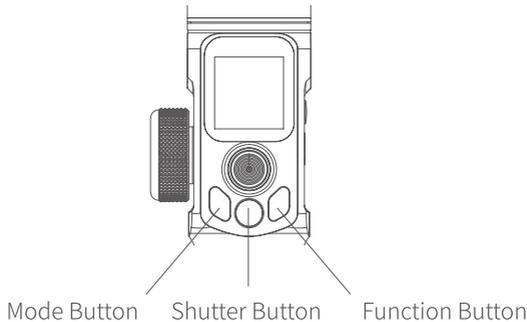
3.2.1 Mode operation

Button	Function	Description
Mode Button	Single tap	Pan/Lock mode (default mode)
	Double tap	Pan mode
	Triple tap	All follow mode

3.2.2 Shutter button

Button	Function	Description
Shutter Button (2stages-way press: half-way press & full-way press)	1. Focus	Single tap (half-way press)
	2. Photography	Full-way press after focusing.
	3. Video recording	Single tap(fully tap) start/stop
	4. Continuous shooting	Long press for 5 seconds, (fully press) ,after beep sound. Tap again to exit, default shoot 1 time every 5 seconds.

3.2.3 Function button operation

Button	Function	Description
Function Button	Photography/video recording	Single tap

3.2.4 Joystick
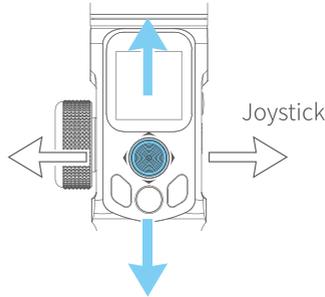
Joystick

| Button	Function	Description
Joystick	1. Camera lens move to upward, select the option above on display	Move to upward
	2. Camera lens move to downward, select the option below on display	Move to downward
	3. Camera lens move to left, select the option on the left on display	Move to left
	4. Camera lens move to right, select the option on the right on display	Move to right

3.2.5 Power button

Power Buttun
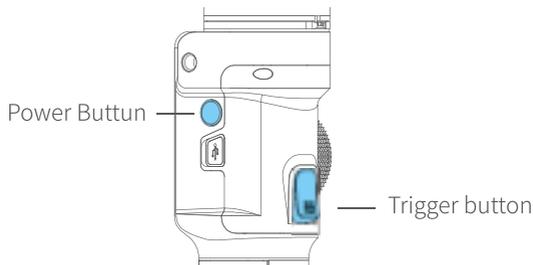
Trigger button

Button	Function	Description
Power Button	1. Power ON/OFF	Long press
	2. Lock/ unlock screen/ go back to home page	(Set up the display) Single tap
	3. Standby mode	Double tap
	4. Awaken the gimbal	Single tap at standby mode

3.2.6 Trigger button

Button	Function	Description
Trigger Button	1. Follow mode	Press & hold
	2. Reset	Double tap
	3. Selfie shooting (Pan axis rotate 180° to shoot)	Triple tap

3.2.7 Multi-function knob

Multi-function Knob
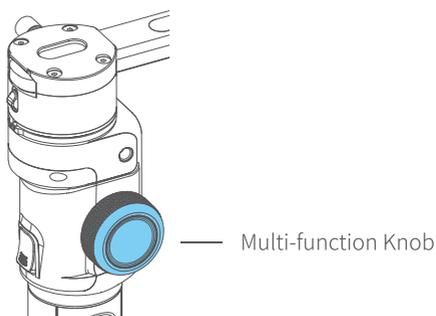
Button	Function	Description
Multi-function Knob	1. Control the current axis rotate direction	Rotate knob (default pan rotation mode)
	2. Switch between follow Focus/Zoom	Long press to switch
	3. Switch axis rotate among Tilt/Roll/Pan Axis	Single tap to switch (under the control of the axis direction mode)
	4. Switch between Follow Focus/Zoom	Single tap to switch (under the control of the follow focus or zoom mode)

3.3 USB Port

There are USB2.0 and Type C port at the fixed plate, which enable to connect to camera/follow focus and other devices.

UART1

UART2

Camera connecting USB port

Camera connecting Type-C port
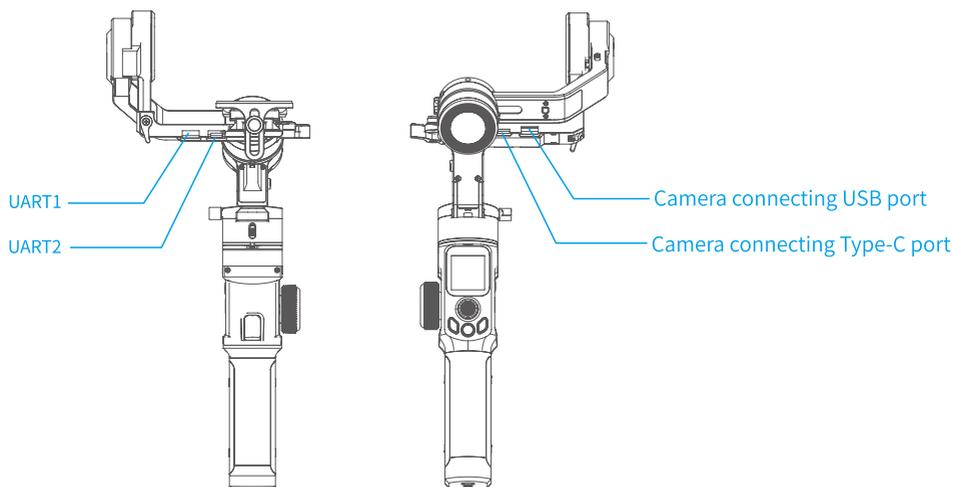
3.4 Touch Screen

3.4.1 Screen

Multifunctional Knob Control

Bluetooth Connection

Camera Connection

All Lock Mode

Follow Mode

Battery Level

Pan Mode
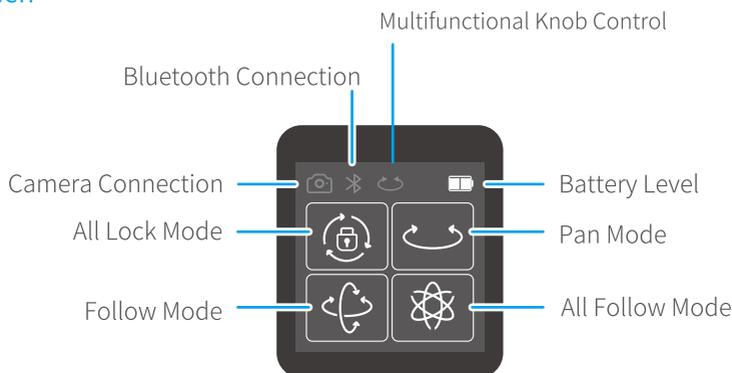
All Follow Mode

Icon	Mode	Icon	Mode
	Camera Connected/Photography		All Lock Mode
	Camera Unconnected		Pan Mode

Icon	Mode	Icon	Mode
▸◢	Video Recording Mode	◁⟨⟩	Follow Mode
✳	Bluetooth Connected	⚛	All Follow Mode
✳	Bluetooth Unconnected	⟲	Tilt Axis Enabled
↻	Multi-function Knob Dnabled	⌒	Roll Axis Enabled
↻	Multi-function Knob Disabled	↻	Pan Axis Enabled
⊕	Zoom Status	▥	Battery Level
⊙	Follow Focus Status		

3.4.2 Display screen switch

**Home Page**

First Page

Second Page

Third Page

3.4.3 Usage of touch screen

Slide right to left: Flip to the right sub page.
Slide left to right: Flip to the left sub page/return to previous option.
Tap: Select current option.

3.4.4 Lock/unlock screen

Single tap
power button

Single tap
power button again

Home Page

Lock Prompt

Lock Status

Unlock Prompt
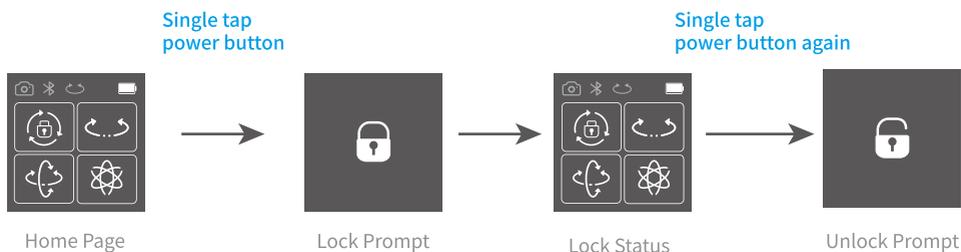
3.5 Modes Setting

Description:

⟵ Slide right to left

⟶ Slide left to right

⟶ Tap to select current menu

3.5.1 Inception Mode setting

Single tap <u>Inception Mode</u> on screen, the camera lens will rotate to upward. Holding the gimbal horizontally, and set rotation direction/speed/one circle or continuous circle. The camera will automatically rotate 360 degree to take inception footage with pre-set speed and direction after setup.
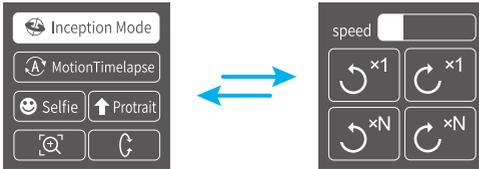
3.5.2 Motion-timelapse mode setting

Please refer to the <u>Motion Timelapse Mode</u> chapter.

Time setting   Route setting
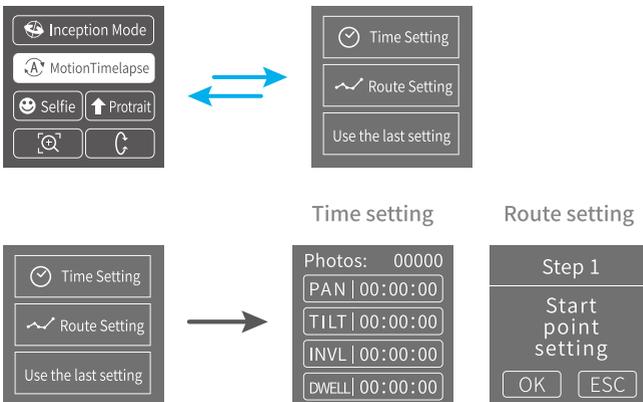
3.5.3 Protrait setting
Holding the gimbal horizontally, tap <u>Portrait</u> on screen to enter protrait shooting.

```
🌐 Inception Mode
Ⓐ MotionTimelapse
☺ Selfie   ⬆ Protrait
[🔍]        ↺
```
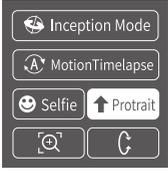
3.5.4 Other setting
Set motor power according to camera weight.

```
Payload setting
Shooting Mode
Knob Setting
Settings
```
⟷
```
PITCH  [___]
ROLL   [___]
YAW    [___]
Auto Adaption
```
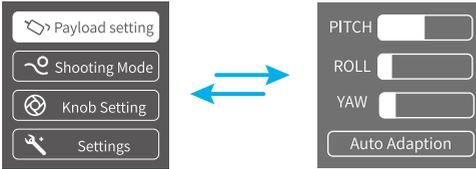
Set scene modes according to camera function.

```
Payload setting
Shooting Mode
Knob Setting
Settings
```
⟷
```
Default Mode
Smooth Mode
Action Mode
Customize
```
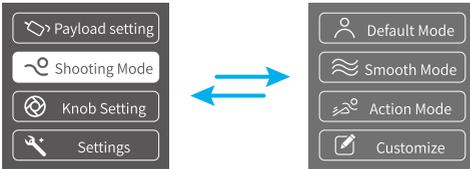
Higher sensitivity gives faster reaction of gimbal/camera.

```
Payload setting
Shooting Mode
Knob Setting
Settings
```
⟷
```
Sensitivity
Camera ctrl
Auto focus
```

```
Sensitivity
Camera ctrl
Auto focus
```
→

Sensitivity
```
Gimbal Ctrl
[___]
Camera ctrl
[___]
```

Camera ctrl
```
WL W/T&F/F
USB Ctrl
AKF Ⅱ
```

System setting

Calibration   Language
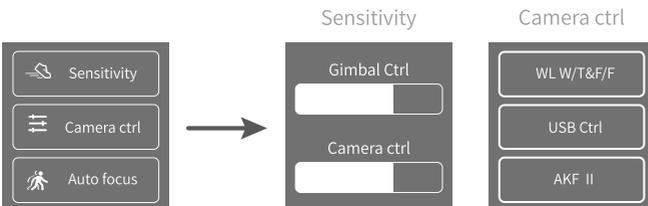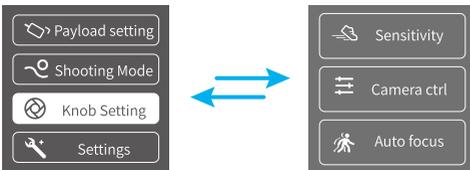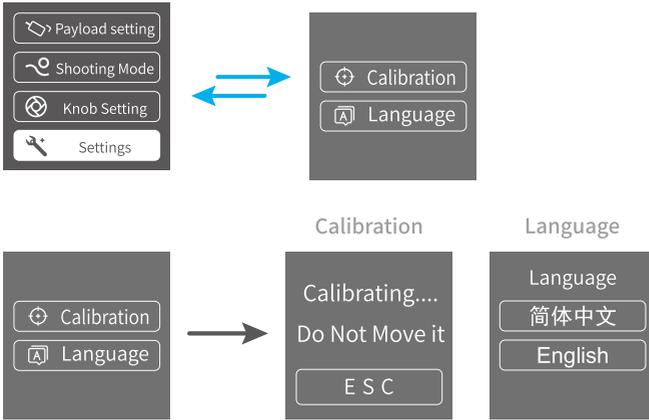
3.6 Motion-timelapse Mode

3.6.1 Motion-timelapse setting
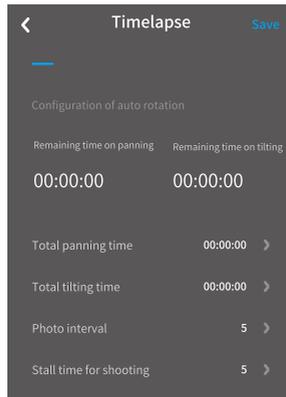
Method 1:
Set the Motion-timelapse mode parameters on Feiyu ON App.
Enter the parameter setting interface to select the Motion-timelapse mode for setting. The maximum interval time is 59 seconds, while maximum staying time for long exposure photograhy is 58 seconds.

⚠ Note: The photographing interval setting must be longer than the stop time and less than the panning or the tilting rotation time.

Method 2:

Set the Motion-timelapse mode parameters by entering the <u>Motion Timelapse</u> interface on screen. Operate with joystick to set up time setting parameter on touch screen.
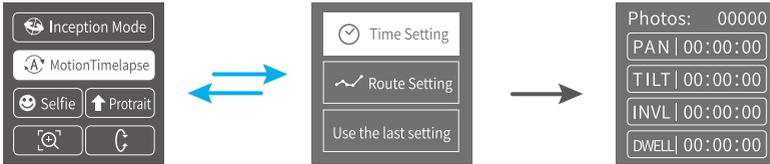
| Display icon	Mode/Status	Minimum time setting	Maximum time setting
PAN (T1)	Pan axis rotation period	00:00:00	07:59:59
TILT (T2)	Tilt axis rotation period	00:00:00	07:59:59
INVL (t)	Photographic interval	00:00:00	00:00:59
DWELL (P)	Photography waiting time	00:00:00	00:00:58

PAN: Time required for the pan axis to rotate from the start point to the end point.
TILT: Time required for the tilt axis to rotate from the start point to the end point.
INVL: The time between the end of the previous shooting and the end of the next shooting.
DWELL: Gimbal staying time after sending a photographing command for long exposure.

* T1 > t > P and T2 > t > P

3.6.2 Route setting

(1) Enter Route setting interface under Motion timelapse menu.
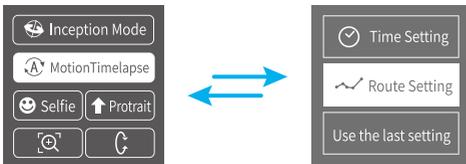
(2) Set the start position
Rotate the pan or tilt axis to a desired position, hold on for 0.5 seconds. Tap OK on screen to record a start position.

Tilt axis

Pan Axis

Step 1

Start point setting

OK   ESC
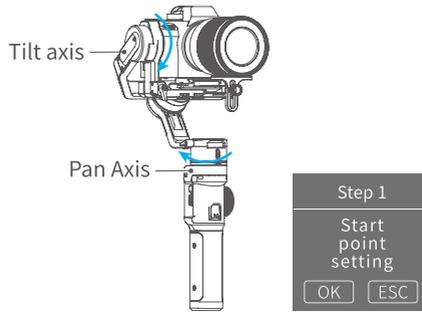
(3) Set the end position
Rotate the pan or tilt axis to a desired position, hold on for 0.5 seconds. Tap OK on screen to record an end position.

Tilt axis

Pan Axis

Step 2

Ending point setting

OK   ESC
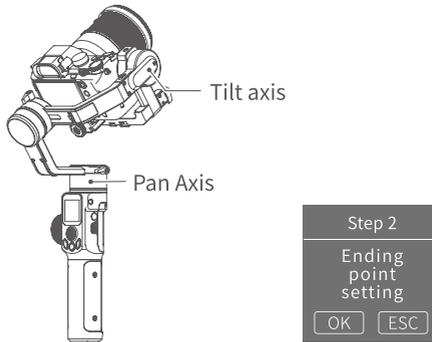
(4) Gimbal rotate automatically from the start position to the end position gimbal return the start initial position after setting, and then tilt and pan axis will start to rotate according to the parameter that has been set.

FOTO 00001/000120

PAN   00:09:59

TILT 00:09:59

ESC
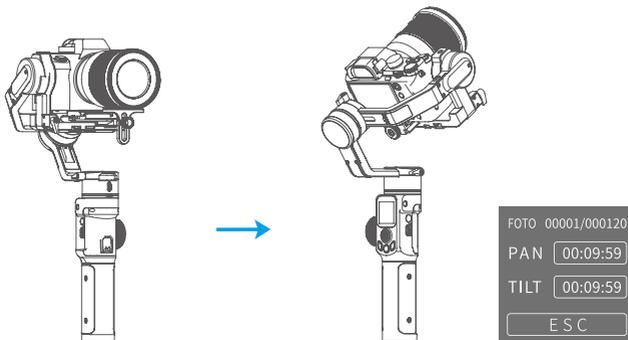
Exit →	Double tap trigger button or the ESC icon on screen to exit	→	Exit motion timelapse mode and reset.

To get more videography skills with gimbal and it's tutorial, please kindly visit our official or download Feiyu ON App.
http://www.feiyu-tech.com

3.7 Initialization

Initialization the gimbal when:
(1) The camera is not in balance.
(2) Not use for a long period of time.
(3) The surrounding temperature changes abruptly.

Steps:
(1) Select <u>Settings</u> - <u>Calibration</u> on the display to enter the gimbal initialization.
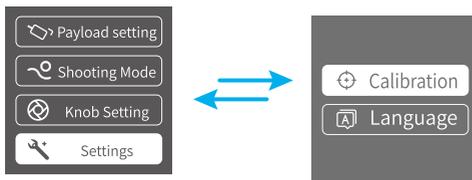
(2) Place the gimbal on the table, and the gimbal automatically initializes. If the touch screen prompts that the calibration is successful, the initialization ends, otherwise the initialization fails.

Calibrating....
Do Not Move it
E S C
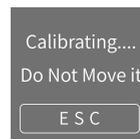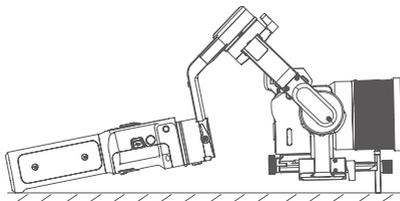
(3) After the initialization is successful, slide the touch screen interface to the left/right or click the <u>ESC</u> on the screen to wake up.

Calibrating completed
E S C

3.8 Manual Lock

Manually move camera to desired position, and hold for half a second. New tilt

and/or pan positions are automatically saved.
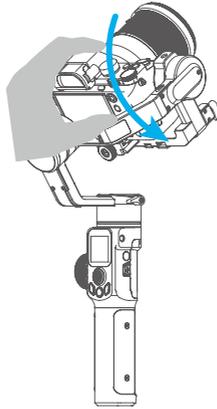
4. Feiyu ON App

4.1 Download the Feiyu ON App

Scan the QR code to download the app, or search for "Feiyu ON" in the App Store or Google Play. Watch tutorials in video skill page on Feiyu ON.

* Requires iOS 9.0 or above, Android 6.0 or above.

iOS Version   Android Version

4.2 App Connecting

Back

Gimbal information

Camera information

Remote Control

AK2000S

Camera Name

Upgrade

Tutorial

Setting

Switch: photo/recording

Horizontal angle control

Reset

Virtual Joystick

Lock mode

Pan mode

Follow mode
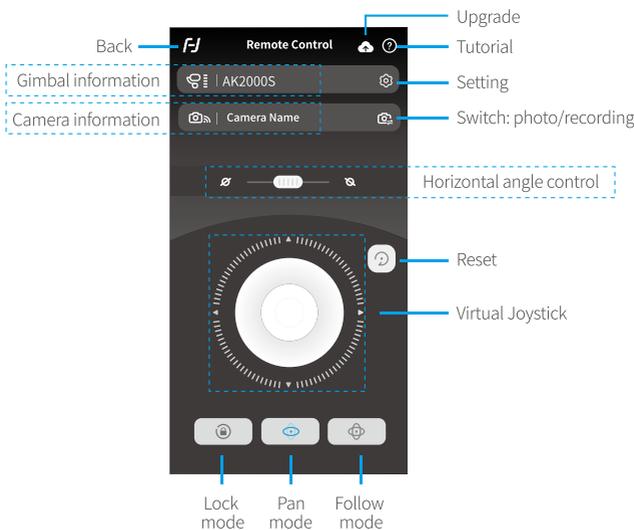
Steps:

(1) Power on the gimbal.
(2) Select Wi-Fi connection menu on camera (find in **setting-network-Wi-Fi**), keep this page which has Wi-Fi name and its password on.
(3) Login Feiyu ON App (or register).
(4) The App will search around the enable devices. It will show <u>connect successful</u> the connection is done, if not, please exit and reconnect again.
(5) Tap <u>connect to camera</u> on the App , select the right camera model in the list.
(6) Select Wi-Fi name which get on step (2) in the camera model list on App, input the password. Most of the function can be achieved on App, such orient control/ mode switch/parameter setting etc. If the connection failed, please confirm if the password is correct or exit and try to login Feiyu ON App again.

4.3 Firmware Upgrade

Upgrade firmware via App.
(1) Tap upgrade ICON on App. (2) Select upgrade type. (3) Follow the prompts to upgrade the firmware.

Feiyu ON

Upgrade type introductions

Keyboard update	Repair/update or newly add button/touch screen/ interaction functions, update more compatibility cameras which can be controlled through Wi-Fi.
Bluetooth firmware update	Repair/update or newly add Bluetooth functions, update more compatibility cameras, and etc.
Gimbal firmware update	Repair/update or newly add gimbal control/function/ parameter and etc.
LED icons update	Repair or update the icons in the screen. (Support for AK series gimbal only)

USB Hub update	Repair/update or newly add control cameras/follow focus through USB cable, repair the bugs about camera control, and etc. (Support for AK4500/AK2000S only)

⚠ **Noted: Gimbal has an update protection function. When the update fails, restart the gimbal, it will return to the previous firmware. Connect the app and update again to resolve the problem. In addition, parts of the new functions require updating two or more firmware to take effect.**
It is recommended to update regularly to keep the firmware of the gimbal as the latest version.

⚠ **Please make sure disconnect Wi-Fi between camera and gimbal if Wi-Fi connection is for controlling camera.**

<u>How to disconnect Wi-Fi connection of camera?</u>
When gimbal is on, slide touch screen to the left to find the settings. Press and hold trigger button, push up joystick, then click "Settings" to disconnect Wi-Fi connection.

✎〉	Payload setting
✐	Shooting Mode
◎	Knob Setting
⚒	Settings

5. Accessories

5.1 Tripod

AK2000S is equiped with 1/4 inch thread hole and 3/8 inch thread hole to mount all type of Tripod for standing shooting.
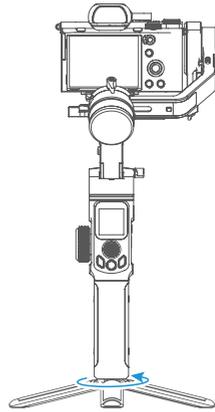
5.2 Versatile Arm

Installation: Install the versatile arm on the handle, align screw holes and tighten the screws by L shape wrench.(it is attached on versatile arm, the end cover of the versatile arm can be removed, and keeps 3 screws inside.)
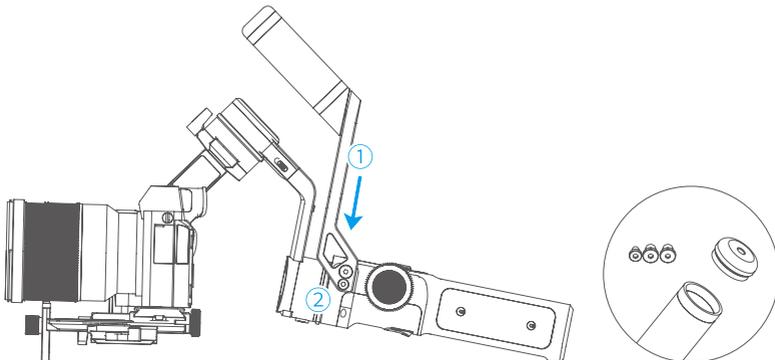
5.3 Brushless Follow Focus

Fix the lens gear on the camera's focus ring position. Fasten the fixed bracket to the quick release plate of the gimbal with a hexagonal screw, and insert the aluminum tube.Insert the AKF II into the aluminum tube, lock the fixed thumb screw on the AKF II, move the aluminum tube to adjust the front and rear position so as to make the AKF II fear and the lens grar engage, and lock the fixed thumb screw on the fixed bracket.Insert the USB cable into the USB port on the fixed plate, installation is completed.
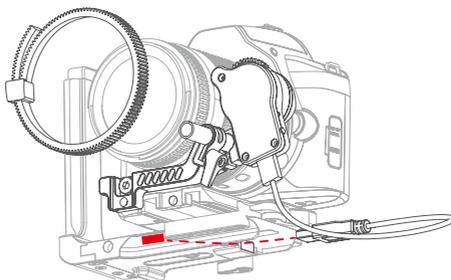

5.4 Hyperlink Remote Controller

Steps to connect to gimbal:
(1) Powering on AK2000S and remote controller.
(2) Tap setting menu on remote controller screen, select bluetooth connection and connect it.
(3) After successful connection,the function of AK2000S enable to operate on remote controller, and the tilt/pan movement can follow the movement of the Hyperlink remote controller.

Please operate on hyperlink remote controller.

Setting Button
Joystick
Function Button
Shutter Button

1/4 inch thread hole

Smartphone holder

Adapter
DO NOT install this accessory at versatile arm or other part beyond it's carrying capacity

Trigger button

Horizontal Adjustment Button
This button can NOT control the roll axis of AK2000S

Multifunction Knob

For more instructions of the remote, please check Hyperlink Remote Controller Manual.

⚠ **Notice: The function of horizontal adjustment button is disable for AK2000S.**

5.5 Extension Rod

It can be used as a mini crane, or take the footage of emulating flying at a low altitude.
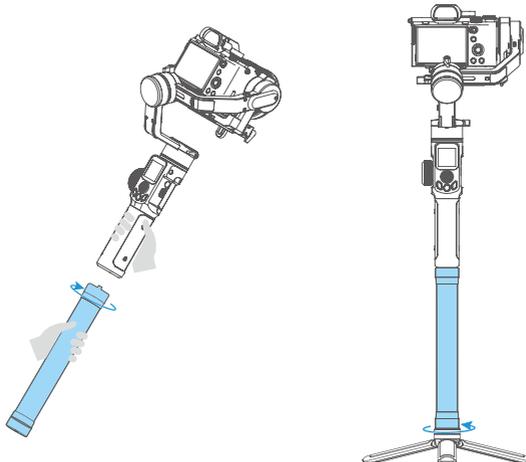
5.6 Multifunctional Bracket

To extra stabilize the camera by mounting it on top of camera and tilt axis. The bracket can be used an extension plate for mounting other accessories on it.
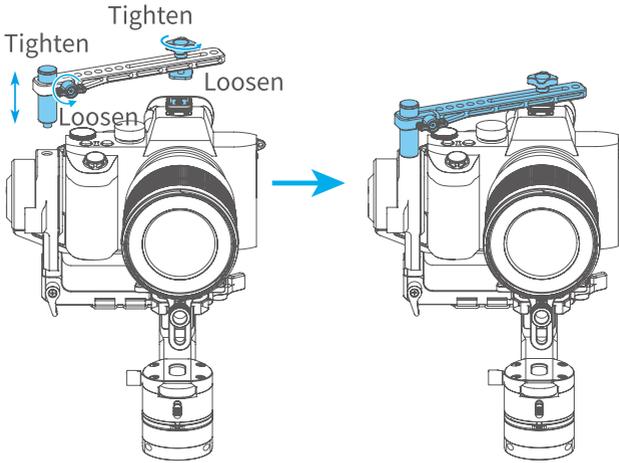
5.7 Wireless MIC Kit

The wireless receiver can collect the sound from the wireless microphone within 20m range.
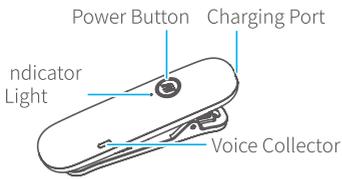
Wireless Microphone
(Hereinafter referred to as MIC)
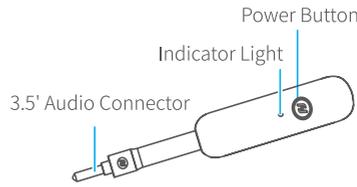
Wireless Receiver
(Hereinafter referred to as receiver)

Accessories:

DC3.5-CTIA

DC3.5-OMTP

Micro audio connector

Microphone

DC3.5 to Micro

Micro USB Cable
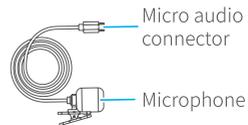
Wireless Clip-on Microphone

How to connect and use it:

Usage scenario 1

Step 1: Two way to enter video recording mode:

(1) Manually set video mode on camera.
(2) Single tap function button to switch to video mode on gimbal, after it connected to camera via cable.

Video Recording

Step 2: Plug in the receiver to camera receiver jack and turn it on.
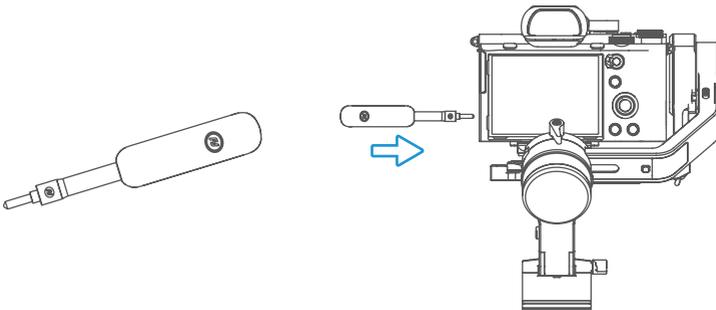
Step 3: Turn on the MIC, and it is ready to be used. (Wireless communication distance ≦20mm, please put it close to sound source for ideal recording)
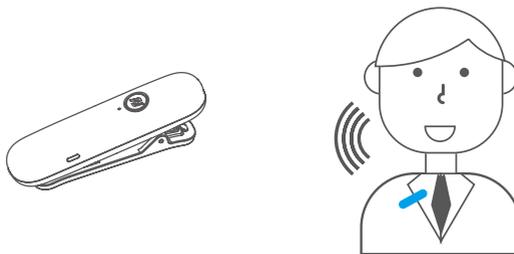
Step 4: Plug the wireless clip-on microphone in the MIC.
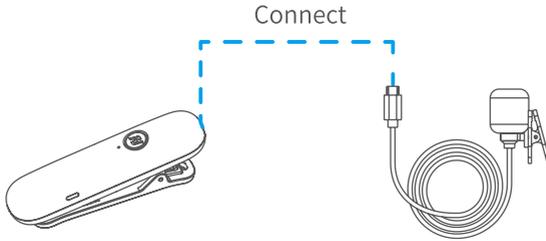
Connect

*Wireless microphone kit can be used without gimbal, and follow the step 2.3.4 to use it.

<u>Usage scenario 2</u>

Step 1: Connect with smartphone
Plug the wireless microphone (receiving terminal) in DC3.5 CTIA (American Standard)/ OMTP (GB), then plug it in 3.5mm earphone port adapter. And plug it in the MIC port on the smartphone first, then turn the receiver on. Set the smartphone to video mode.

Receiver   DC3.5 CTIA / OMTP   Lighting/Type-C   iPhone/Android
                                          (Equipped by user)
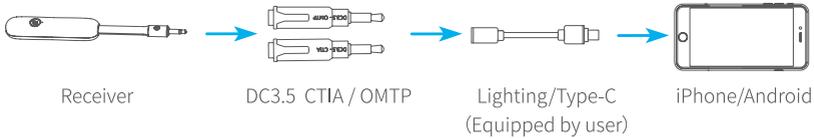
Step 2: Turn on the MIC, and it is ready to be used.(follow the step 1.3 to use it)
(1) You can plug the wireless clip-on microphone in the MIC mount to use it.
(2) You can plug the DC 3.5mm microphone in DC 3.5 to micro adaptor, then connect it to MIC for using.

Status	Indicator	ICON
Power ON	Blue light stays on	
Power OFF	Red light stays on to off	
Low battery	Red light flashes regularly	
Fully charged	Green light stays on	

6. Specifications

Product Size (well balanced)	151×203.5×372.8mm
Max. Tilting Range	230°
Max. Rolling Range	360°
Max. Panning Range	360°
Tilt Follow Speed	2°/s ~ 75°/s
Pan Follow Speed	3°/s ~ 150°/s
Payload Capability	2200g/4.85 lb (well balanced)
Weight	About 1100g/2.4 lb (not included the shutter release cable, camera, lens and so forth)
Battery	2200mAh (built-in)
Theoretical Battery Life	14h (well balanced)
Charging Time	≥1.5h, support all the normal charger and quick charger which charginf power ≤18W (for example: 9V×2A=18W, 12V×1.5A=18W)
Compatible Cameras*	Canon, SONY, Panasonic and etc.

* Please download the detailed manual for the specific compatible camera and lens.

Compatible Cameras for Reference

Brand	Camera(H/W/D)	Model	Lens size & weight (Φ×L)	Camera	Brushless follow focus + Camera	Remark
			AK2000S Lens Compatible List			
Brand		Can be equipped with a lens				
Sony	Sony A7R3 126.9×95.6×62.7mm 572g Sony A7M3 126.9×95.6×73.7mm 565g Sony A9 126.9×95.6×63mm 588g Sony A7S2 126.9×95.7×60.3mm 584g Sony A7R2 126.9×95.7×60.3mm 582g Sony A7M2 126.9×95.7×59.7mm 556g	E 10–18mm F4 OSS	Φ70mm×63.5mm 225g	√	√	
		FE 12-24mm F4 G	Φ87mm×117mm 565g	√	√	
		FE 16-35mm F2.8 GM	Φ89mm×122mm 680g	√	√	
		FE16-35mm f/4 ZA OSS	Φ78mm×99mm 518g	√	×	
		Vario-Tessar FE 24-70mm F4 ZA OSS	Φ73mm×94.5mm 426g	√	√	
		FE 24-70 F2.8 GM	Φ87.6mm×136mm 886g	×	×	
		Zeiss E 16-70 F4 OSS	Φ66.6mm×75mm 308g	√	√	
		E PZ 18–105mm F4 G OSS	Φ78mm×110mm 427g	√	√	
		E PZ 18–200mm F3.5–6.3 OSS LE	Φ93.2mm×99mm 649g	×	×	
		FE 28mm F2	Φ64mm×60mm 200g	√	√	
		Zeiss FE 35mm F2.8 ZA	Φ61.5mm×36.5mm 120g	√	√	
		Sigma 30mm f/1.4 DC DN	Φ64.8mm×73.3mm 265g	√	√	
		Sigma 35mm f1.4 DG HSM Art	Φ77mm×94mm 665g	√	√	
		FE 55mm F1.8	Φ64mm×71mm 281g	√	√	
		FE 50mm F2.8 MACRO	Φ71mm×71mm 236g	√	√	
		FE 4/24-105 G OSS	Φ83.4mm×113.3 mm 663g	√	√	
		FE 28-70mm f/3.5-5.6 OSS	Φ72.5mm×83mm 295g	√	√	
		FE 85mm F1.4 GM	Φ89.5mm×107.5mm 820g	√	√	
	Sony A6400 120×67×60mm 359g Sony A6300 120×66.9×48.8mm 361g SonyA6500 120×66.9×53.3mm 410g	E 10–18mm F4 OSS	Φ70mm×63.5mm 225g	√	√	
		FE 12-24mm F4 G	Φ87mm×117mm 565g	√	√	
		FE 16-35mm F2.8 GM	Φ89mm×122mm 680g	√	√	
		FE16-35mm f/4 ZA OSS	Φ78mm×99mm 518g	√	√	
		Vario-Tessar FE 24-70mm F4 ZA OSS	Φ73mm×94.5mm 426g	√	√	
		FE 24-70 F2.8 GM	Φ87.6mm×136mm 886g	×	×	
		Zeiss E 16-70 F4 OSS	Φ66.6mm×75mm 308g	√	√	
		E PZ 18–105mm F4 G OSS	Φ78mm×110mm 427g	√	√	
		E PZ 18–200mm F3.5–6.3 OSS LE	Φ93.2mm×99mm 649g	×	×	
		FE 28mm F2	Φ64mm×60mm 200g	√	√	
		Zeiss FE 35mm F2.8 ZA	Φ61.5mm×36.5mm 120g	√	√	
		Sigma 30mm f/1.4 DC DN	Φ64.8mm×73.3mm 265g	√	√	
		Sigma 35mm f1.4 DG HSM Art	Φ77mm×94mm 665g	√	√	
		FE 55mm F1.8	Φ64mm×71mm 281g	√	√	
		FE 50mm F2.8 MACRO	Φ71mm×71mm 236g	√	√	
		FE 4/24-105 G OSS	Φ83.4mm×113.3 mm 663g	√	√	
		E 3.5-5.6/PZ 16-50 OSS	Φ64.7mm×29.9mm 116g	√	×	
		FE 28-70mm f/3.5-5.6 OSS	Φ72.5mm×83mm 295g	√	√	
		FE 85mm F1.4 GM	Φ89.5mm×107.5mm 820g	√	√	
	Sony RX100 IV 101.6×58.1×41.0 mm 298g	/	/	√	×	
	Sony RX100 V 101.6×58.1×41mm 299g	/	/	√	×	
	Sony RX100 VI 101.6x58.1x42.8mm 301g	/	/	√	×	
	Sony RX100 VII 101.6×58×42.8mm 370g	/	/	√	×	

AK2000S Lens Compatible List					
Brand		**Can be equipped with a lens**			
Brand	Camera(H/W/D)	Model	Lens size & weight (Φ×L)	Camera	Brushless follow focus + Camera	Remark
Panasonic	GH5S 138.5×98.1×87.4mm 660g GH5 138.5×98.1×87.4mm 725g G9 136.9×97.3×91.6mm 658g GH4 93.4×83.9×132.9mm 560g	LEICA DG SUMMILUX 15mm f/1.7 ASPH	115g	√	×	
		LEICA DG SUMMILUX 25mm f/1.4 ASPH	Φ77.7mm×75mm 510g	√	√	
		LEICA DG MACRO 45mm f/2.8 OIS	Φ63mm×62.5mm 225g	√	√	
		LEICA DG Vario-Elmarit 8-18mm f/2.8-4.0 ASPH	Φ73.4mm×88mm 315g	√	√	
		LEICA DG Vario-Elmarit 12-60 f/2.8-4 Power OIS	Φ68mm×86mm 320g	√	√	
		LUMIX G X Vario 12-35mm f/2.8 II ASPH POWER OIS(H-HS12035GK I代)	Φ68mm×74mm 305g	√	√	
		M.ZUIKO DIGITAL ED 12mm f/2.0	Φ56mm×43mm 130g	√	√	
		LUMIX G 14-140mm f/4-5.8 OIS	Φ70mm×84mm 460g	√	√	
Nikon	Z6 134×100.5×67.5mm 675g Z7 134×100.5×67.5mm 675g	NIKKOR Z 35mm f/1.8	370g	√	√	
		18-140mm f/3.5-5.6G ED VR	Φ78mm×97mm 490g	√	√	
		NIKKOR Z 50mm f/1.8 S	415g	√	√	
		NIKKOR Z 24-70mm f/4 S	500g	√	√	
		NIKKOR Z 14-30mm f/4 S	Φ85mm×89mm 485g	√	√	
Canon	Canon EOS R 135.8×98.3×84.4mm 660g Canon EOS RP 132.5×85×70mm 485g	RF 35mm F1.8 MACRO IS STM	Φ74.4mm×62.8mm 305g	√	√	
		EF-S 18-200mm f/3.5-5.6 IS	Φ78.6mm×102mm 595g	√	×	
		EF 24-70mm f/4L IS USM	Φ83.4mm×93mm 600g	√	×	
		EF 50mm f/1.4 DG HSM Art	Φ85mm×100mm 815g	√	×	
		EF 17-40mm f/4L USM	Φ83.5mm×96.8mm 475g	√	√	
		RF 50mm F1.2L USM	Φ89.8mm×108mm 950g	√	√	
		RF 28-70mm F2L USM	Φ103.8mm×139.8mm 1430g	×	×	
		RF 24-105mm F4L IS USM	Φ83.5mm×107.3mm 670g	√	×	
	Canon M50 116.3×88.1×58.7mm 390g	EF-M 15-45mm F3.5-6.3 IS	130g	√	×	
Fujifilm	X-T2 133×92×49mm 457g X-T3 132.5×92.8×58.8mm 539g	XF 16mm 1:1.4 R WR	Φ73mm×73mm 375g	√	√	
		XF 23mm 1:1.4 R	Φ72mm×63mm 300g	√	√	
		XF 35mm 1:1.4	Φ65mm×54.9mm 187g	√	√	
		XF 10-24mm f/4.0 R OIS	Φ78mm×87mm 410g	√	√	
		XF 16-55mm 1: 2.8 R LM WR	Φ83.3mm x 106.0mm 655g	√	√	
		XF 18-55mm 1:2.8-4 R OIS	Φ65mm×70.4mm 310g	√	√	
		XF 18-135mm f/3.5-5.6 R LM OIS WR	Φ76mm×98mm 490g	√	√	
	X-H1 139.8×97.3×85.5mm 673g	XF 16mm 1:1.4 R WR	Φ73mm×73mm 375g	√	√	
		XF 23mm 1:1.4 R	Φ72mm×63mm 300g	√	√	
		XF 35mm 1:1.4	Φ65mm×54.9mm 187g	√	√	
		XF 10-24mm f/4.0 R OIS	Φ78mm×87mm 410g	√	√	
		XF 16-55mm 1: 2.8 R LM WR	Φ83.3mm x 106.0mm 655g	√	√	
		XF 18-55mm 1:2.8-4 R OIS	Φ65mm×70.4mm 310g	√	√	
		XF 18-135mm f/3.5-5.6 R LM OIS WR	Φ76mm×98mm 490g	√	√	
	X-T20 118.4×82.8×41.4mm 383g X-T30 118.4×82.8×46.8mm 383g	XF 16mm 1:1.4 R WR	Φ73mm×73mm 375g	√	√	
		XF 23mm 1:1.4 R	Φ72mm×63mm 300g	√	√	
		XF 35mm 1:1.4	Φ65mm×54.9mm 187g	√	√	
		XF 10-24mm f/4.0 R OIS	Φ78mm×87mm 410g	√	√	
		XC 16-50mm f/3.5-5.6 OIS	Φ62.6mm×65.2mm 195g	√	√	
		XF 16-55mm 1: 2.8 R LM WR	Φ83.3mm x 106.0mm 655g	√	×	
		XF 18-55mm 1:2.8-4 R OIS	Φ65mm×70.4mm 310g	√	√	
		XF 18-135mm f/3.5-5.6 R LM OIS WR	Φ76mm×98mm 490g	√	×	
		XC 15-45mm 1:3.5-5.6 OIS PZ	Φ62.6mm×65.2mm 135g	√	√	

Tips: The camera needs to be close to the tilt motor.

Disclaimer

Thanks for using FeiyuTech product. The information in this document affects your safety and your legal rights and responsibilities. Read the entire document carefully to ensure proper configuration before use, Failure to read and follow instructions and warnings in this document may result in serious injury to yourself or others, or damage to your products or damage to other objects in the vicinity.

By using this product, you hereby signify that you have read this disclaimer and warning carefully and that you understand and agree to abide by the terms and conditions herein. You agree that you are solely responsible for your own conduct while using this product, and for any consequences thereof. You agree to use this product only for purposes that are proper and in accordance with all applicable laws, rules, and regulations, and all terms, precautions, practices, policies and guideline FeiyuTech has made and may make available. FeiyuTech accepts no liability for damage, injury or any legal responsibility incurred directly or indirectly from the use of product.

FeiyuTech will not provide any service for any product obtained from abnormal channels.

⚠ Notice

1.Make sure motor spinning is not blocked by external force when the product is power on.
2.The product DO NOT contact water or other liquid if the product is not mark waterproof or splash-proof. Waterproof and splash-proof product DO NOT contact sea water or other corrosive liquid.
3.DO NOT disassembly the product except marked detachable. It need send to FeiyuTech after-sales or authorized service center to fix it if you accidently disassembly and cause abnormal work. The relevant costs are borne by user.
4.Prolonged continuous operation may cause the product surface temperature to rise, please operate carefully.
5.DO NOT drop or strike the product. If the product is abnormal, contact FeiyuTech after-sales support.

♥ Storage and Maintenance

1.Keep the product out of the reach of children and pets.
2.DO NOT leave the product near heat sources such as a furnace or heater. DO NOT leave the product inside of a vehicle on hot days.
3.Please storage the product in dry environment.
4.DO NOT overcharge or overuse the battery, otherwise it will cause damage to the battery core.
5.Never use the product when the temperature is too high or too low.

Official Social Media

Website   Facebook   Youtube

Twitter   Instagram

Website: www.feiyu-tech.com
Facebook: www.facebook.com/feiyutech
YouTube Channel: www.youtube.com/c/Feiyu-tech
Twitter: www.twitter.com/feiyutech
Instagram: www.instagram.com/FeiyuTech
Online Store: store.feiyu-tech.com

FeiyuTech

Due to software and hardware improvements, your actual product might differ from the descriptions and pictures in this user manual. You can get the latest user manual from the official website.