FeiyuTech

Feiyu Pocket 3

| Stabilized Camera | Instructions |

V 1.0

Tutorial

Catalogue

Suggestion

This product includes below information, please read the information before using it.
(1) Quick start guide
(2) Online instruction
(3) Tutorial

Tutorial

* The tutorial videos can be watched at FeiyuTech official website or scan the QR code.
https://www.feiyu-tech.com/play/

Download APP

Connect with FeiyuCam App to achieve more functions.
Scan the QR code to download the app, or search for "FeiyuCam" in the App Store or Google Play.
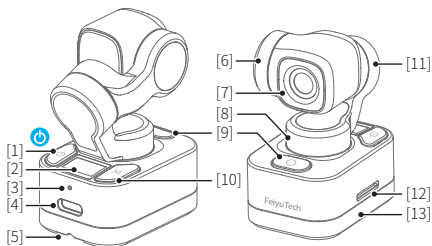* Requires iOS 13.0 or above, Android 6.0 or above.

iOS   Android

1. Overview

Please tear lens film before using

[1] Power button
[2] Screen
[3] Microphone
[4] USB-C charging port
[5] Dovetail slot
[6] Tilt axis
[7] Camera lens

[8] Pan axis
[9] Shutter button/ Indicator
[10] Gimbal mode button
[11] Roll axis
[12] MicroSD card slot
[13] Magnetic base

2. List

① Feiyu Pocket 3   x 1
② Expansion base   x 1
③ Tripod   x 1
④ Protective cover   x 1
⑤ USB-C cable   x 1
⑥ Wristband   x 2
⑦ Portable bag   x 1
⑧ Manual   x 1

3. Start to Use

3.1 Charging

Connect USB-C cable with charging port to charge.
We recommend that you charge your camera at least once a month.

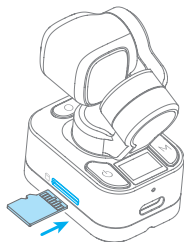| Charging status	While working (screen status)	While off (indicator status)
Charging	⚡ Display	Red light is on
Complete	⚡ Disappear	Light is off

Indicator — 5V ⎓ 2A

3.2 Insert MicroSD card

An UHS - Ⅰ Speed Grade 3 (U3) rating microSD card (equipped by user) is required.
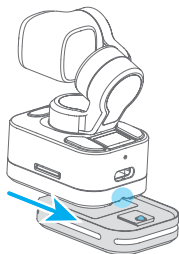
Please format the microSD card with Feiyu Pocket 3 when insert it at the first time.

3.3 Mount the expansion base

Slide the magnetic base (the bottom part of Feiyu Pocket 3) into the expansion base as shown in the figure. And make the ball on the expansion base clip in the dovetail slot.

Slide it in the opposite direction of mounting to take off.

Use the expansion base to install tripod, wristband, and other accessories via the 1/4 inch screw hole and wristband slot on the base.
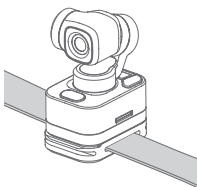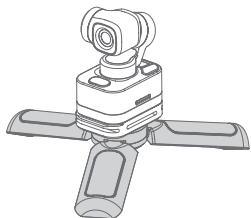
3.4 Usage for protective cover

When not in use, please cover the gimbal with the protective cover.

Hold the two sides of protective cover (which have an opening) firmly, and push it down to cover the camera (As the picture shown below). Reveal the charging port through the opening which is larger.

Pull the protective cover up in the same way in opposite direction to take it down.
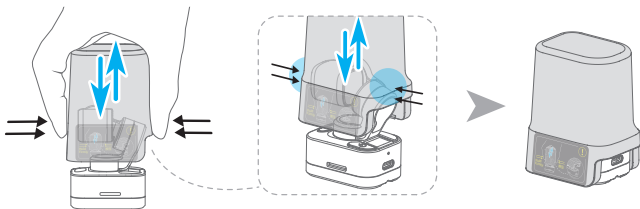
4. Operation

4.1 Follow mode introduction

Pan mode (HF): Pan follow, only the pan axis follows the movement of user's hand.

Follow mode(TF): Pan and tilt follow, where both the pan and tilt axes follow the movement of user's hand, but roll axis does not.

All follow mode(AF): Pan, tilt and roll follow, where all 3 axes follow the movement of user's hand.

Lock mode(LK): All 3 axes do not follow the movement of user's hand, gimbal keeps the direction of the camera fixed.

Diving mode(DV): A follow mode which use with waterproof case for Feiyu Pocket 3 (optional). In this mode, lens turn upward, and all 3 axes follow the movement of user's hand.
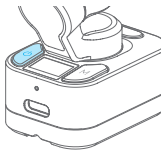
4.2 Power button

Long press for 1s: Power ON/ OFF

Single tap: Switch among photo mode/ video mode/ recently used function

Single tap (Connect computer when the camera is on): switch between PCCAM/Udisk mode

Long press for 8s: Power off forcely

4.3 Gimbal mode button

Single tap: Follow mode/All follow mode/Pan mode (Switch in turn)

Double tap: Recenter

Triple tap: Enter/ Exit selfie mode

Tap four times: Enter diving mode (Single tap again to exit)

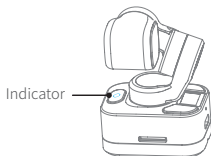**Press and hold:** Enter lock mode

4.4 Shutter button

Single tap: Start recording/ Stop recording/ Take photo

Long press for 3s: Turn on/ off Wi-Fi

4.5 Indicator light instructions

Indicator status			Indicator status (While OFF)	
Take photo	Recording	Update firmware	Charging	Complete
Green light flash once	Green light keeps flashing		Red light is on	Light is off

Indicator

4.6 Gimbal calibration

When camera is not level, users can use calibration function to fix.

Method: Press the power button and gimbal mode button at the same time
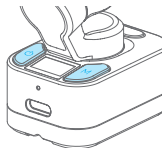
4.7 Reset

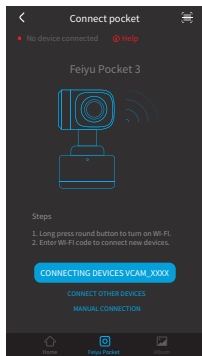Reset the camera parameters to factory default Settings

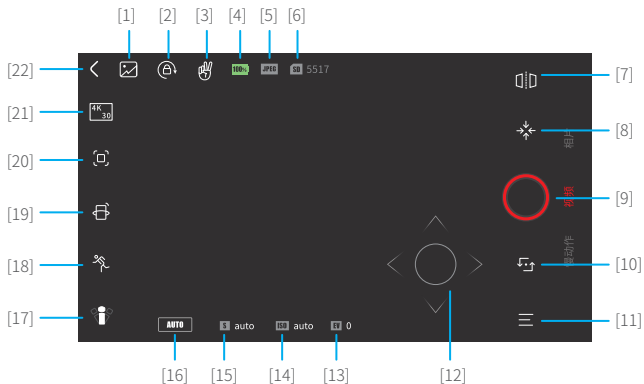**Method:** Press the power button and shutter button at the same time

5. Using the FeiyuCam App

5.1 Connect with Feiyu Pocket 3 via Wi-Fi

Turn on FeiyuCam App, tap [Feiyu Pocket] option, long press shutter button to turn on Wi-Fi, follow the prompts to connect Feiyu pocket 3.

5.2 Camera Interface

[1] Album		Enter album

|		
[2] Lock	🔒	Screen orientation lock
[3] Gesture shooting	✌️	Make a "V" gesture in front of the camera to take photo or start recording.
[4] Battery indicator	100%	Show battery level of Feiyu pocket.
[5] File format	JPEG	Prompt the file format of the saved file.
[6] Storage spaces	SD	Display remaining storage spaces.
[7] Mirror	◫◫	Images from the camera are mirrored after turn it on.
[8] Recenter	⇥⇤	Lens return to center and keep towards front or back as before.
[9] Shoot	⭕	Start recording or take photo.
[10] Camera turn around	↻	Camera horizontally rotate 180° to shoot, which can be used to take selfie
[11] Camera settings	≡	Set parameters of current shooting mode, format microSD card, view device information.

Parameter \ Modes	Photo-graph	Video	Slow motion	Timelapse	Panoramic photo	Hyperlapse
Viewing angle	√	√				
Anti-flicker	√	√	√	√	√	√
Grid	√	√	√	√	√	√
Watermark	√	√	√	√		√
Proportion	√					
Photo format	√					
Video format		√	√	√		√
Color		√	√	√		√
White balance	√	√	√	√	√	√
Panoramic mosaic					√	

[12] Joystick	◇○◇	Long press the circle and turn left and right to control pan axis, turn up and down to control tilt axis.
[13] Exposure compensation	EV	Set or display current exposure compensation.
[14] ISO	ISO	Set or display current ISO.

[15] Shutter speed	**S**	Set or display current shutter speed.
[16] Auto/manual mode	**AUTO** **M**	Switch between auto/ manual mode.
[17] Follow mode	(icon)	All follow mode (FPV)
	(icon)	Follow mode
	(icon)	Pan mode
[18] Follow sensitivity	(icon)	Fast follow
	(icon)	Smooth follow
	(icon)	Riding (Mounting)
	(icon)	Fast follow (Handheld)
	(icon)	Smooth follow (Handheld)
[19] Smartphone motion sensing mode	(icon)	Users can use smartphone to control pan and tilt axis through motion sensing. *Need smartphone gyroscope sensor support.
[20] AI tracking	(icon)	**Object tracking:** Select the object in camera interface to lock it, and camera will auto rotate to follow the object movement.
	(icon)	**Face tracking:** Once enabled, the face target will be automatically locked in the camera interface, and the gimbal will follow the target to keep the lens tracking the target.
[21] Parameter settings	4K 30	Will show in video mode to set video resolution, FPS and quality of video.
	(off)	Will show in photo mode to set countdown time of shooting.
	(icon)	Will show in timelapse mode to set shooting interval , duration and path.
[22] Return	〈	Return to the previous menu

5.3 Firmware update

Turn on Feiyu Cam App, enter [Home] page, and tap the "..." on the top-right corner of the user information bar, choose "Upgrade Feiyu Pocket firmware" , make sure your mobile web works properly, insert SD card first, then start updating. It takes about 3 minutes to update.

6. Optional accessories

6.1 Remote handle (Optional)

Use with the Remote Handle for Feiyu Pocket 3 to achieve more functions and control. Follow the methods below to install and connect. For more function introductions, please refer to the manual of the remote handle.

Steps for installation and connection

6.1.1 USB-C connection

Put the dovetail slot which at the bottom of Feiyu Pocket 3 Stabilized Camera aim to the convex slot of remote handle, and slide in along the slot to connect the USB-C port. Then users can control the camera through the remote handle after power on.
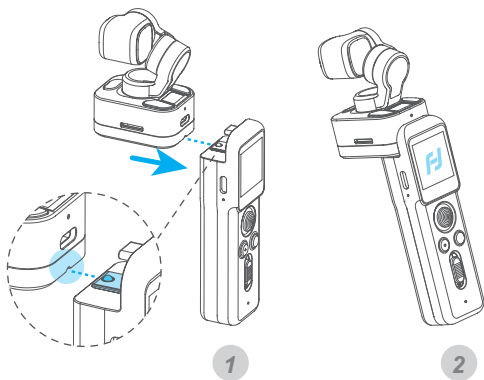
6.1.2 Wireless connection

Before using for the first time, please connect the remote handle with camera physically (Refer to 6.1.1), and power on.
Then detach the remote handle and the stabilized camera, and the screen on camera will prompt to enter wireless connection status 📶 , then the remote handle can control the camera wirelessly.
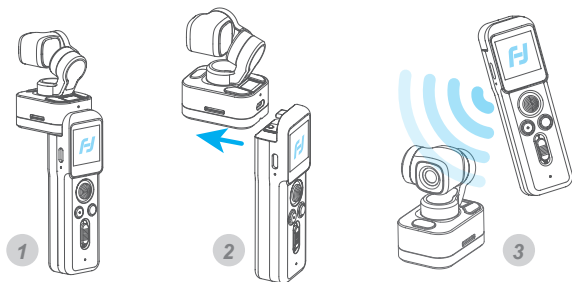
6.2 Smartphone holder (Optional)

Follow the steps to install your smartphone on Smartphone Holder for Feiyu Pocket 3. After connect your smartphone with the gimbal, you can check the footage in real-time via FeiyuCam App.

Steps for installation

(1) Take off the expansion base, and slide the magnetic base (the bottom part of Feiyu Pocket 3) in as shown in the figure. And make the ball on the smartphone holder clip in the dovetail slot.
(2) Extend the clamp on the smartphone holder to install smartphone.
(3) Complete.

(1)   (2)   (3)
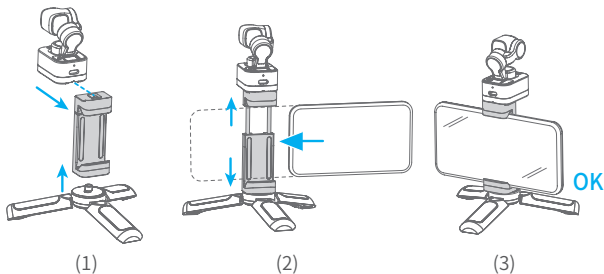
6.3 Extension Bar (Optional)

Use with Extension Bar for Feiyu Pocket 3 to get high view shooting.

Steps for installation(Take remote handle as an example)

(1) Take off the expansion base, and slide the magnetic base (the bottom part of Feiyu Pocket 3) in as shown in the figure. And make the ball on the extension bar clip in the dovetail slot.
(2) Slide the bottom part of extension bar in the remote handle, and make the ball on the extension bar clip in the dovetail slot.
(3) Toggle down the lever on the bottom of the extension bar to lock.
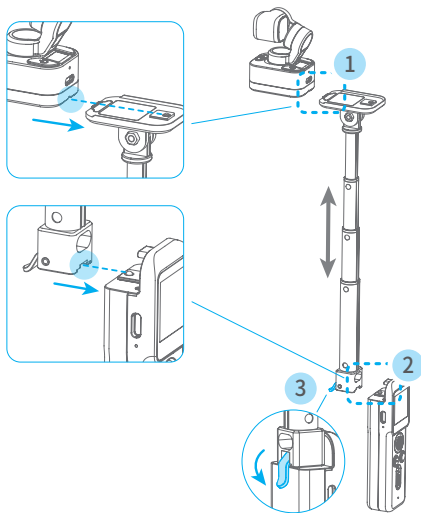
6.4 Waterproof Case (Optional)

[1] Waterproof cover
[2] Securing ring
[3] Power button
[4] Shutter button
[5] Wrist strap hole
[6] 1/4 inch thread hole

6.4.1 Check

Check the waterproof performance before using for the first time or has not been used for a long time.
Before placing the device into the waterproof case, mount on the waterproof cover and completely tighten the securing ring and dip the case into water with a depth of 30 cm for at least 10 mins. If water seeps in, take it out and check the case.

6.4.2 Installation

(1) Open the waterproof cover: Rotate the securing ring in the unlock direction until the waterproof cover can be removed.

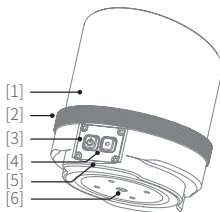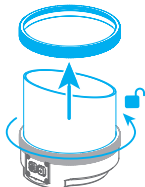(2) Selecting diving mode: Turn on the Feiyu Pocket 3 and press the gimbal mode button four times to enter the diving mode.

*Diving mode is a working mode which work with waterproof case.
Disable: Follow mode setting/ Selfie mode/ Timelapse/ Panorama/ Remote Handle

(3) Place in the device: **Power off** the Feiyu Pocket 3 in diving mode, then slide it into the slot and connect it to the USB-C plug.
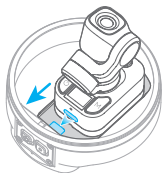
(4) Install waterproof cover:
Put the securing ring on the waterproof cover, clip in the mount on the handle of waterproof case, **tighten the securing ring**.

Shake the waterproof case by hand, check if there is any clearance which may cause shaking of the device. If so, please tighten the securing ring again.
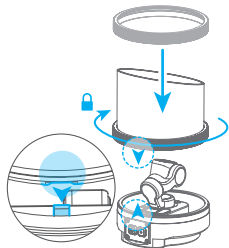
(5) Install tripod: According to the needs of shooting, choose whether to install it.
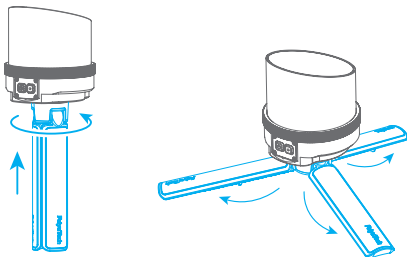
6.4.3 Operation

Please make sure the securing ring is tightened.

Power button

Long press: Power on/off
Single tap: Switch shooting modes
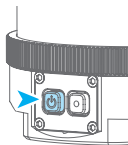
Shutter button

Single tap: Start recording/ Stop recording/
Take photo

7. Specifications

Product name	Feiyu Pocket 3 Stabilized Camera
Product model	FeiyuVCAM3S
Controllable Range	Controllable Tilt Range: - 95° ~ + 50° Controllable Roll Range: + 45° ~ - 45° Controllable Pan Range: - 220° ~ + 40°

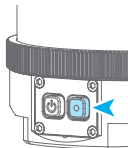|	
Angular Vibration Range	±0.005°
Max. Speed	180° /s
Product Size	46.5*32.6*60.3mm
Weight	About 86g
Material	Aluminum alloy, ABS/PC
Waterproof	No
Battery	Capacity : 280mAh Category of Battery: lithium-ion battery Battery Power: 2.072Wh Voltage: 7.4V Operating Temperature: 0℃ ~+40℃
Working Time	About 60min (Working at 1080@30fps)
Charging Time	About 1.5h (5V 2A)
Camera	Image Sensor: 1/2.5″ CMOS Effective Pixels: 1200W Lens: FOV: 120° F2.4 Equivalent Focal Length: 16mm IOS Range: 100~3200 Electronic Shutter Speed: 1/8000~16s Max Image Size: 4000×3000 Photo Mode: Photo / Panorama / Static Timelapse/ Motion Timelapse Video Resolution: 4K 3840×2160@60/50/48/30/25/24 2.7K 2720×1520@60/50/48/30/25/24 1080P 1920×1080@120/60/50/48/30/25/24 Video Mode: Video / Timelapse / Slow Motion Max Variable Bit Rate for video: 4K@60fps, Max. Bit rate is 120Mbps Supported File Formats: FAT32 / exFAT Photo Formats: JPG / JPG+DNG Video Formats: MOV, MP4 Supported SD Cards: MmicroSD, Max Capacity: 512G (U3 and higher speed microSD Card is required)
Capacity SD Cards	MmicroSD, Max Capacity: 512G (U3 and higher speed microSD Card is required)
Audio Output	48KHz / AAC
Screen	0.42 inches/OLED/72*40

Wi-Fi	2.4GHz, bandwidth: 20MHz

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 Feiyu 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. If does not use the product for a long time, please charge it at least once within one month.
5. Never use the product when the temperature is too high or too low.

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