FeiyuTech

Feiyu pocket

Instructions (V 1.0)

📑 Catalogue

Feiyu pocket is a new intelligent handheld stabilized camera, support 4K/ 2.7K/ 1080P video recording. It is small and easy to carry. With a built-in touch screen, it can control and display a live view from the camera to shoot at any time easily. Connect with Feiyu Cam App to achieve more functions.

Suggestion

This product includes below information, please read the information before using it.

1. Quick start guide
2. Online instruction
3. Tutorial

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

Download the Feiyu Cam

Scan the QR code to download the app, or search for "Feiyu Cam" in the App Store or Google Play.
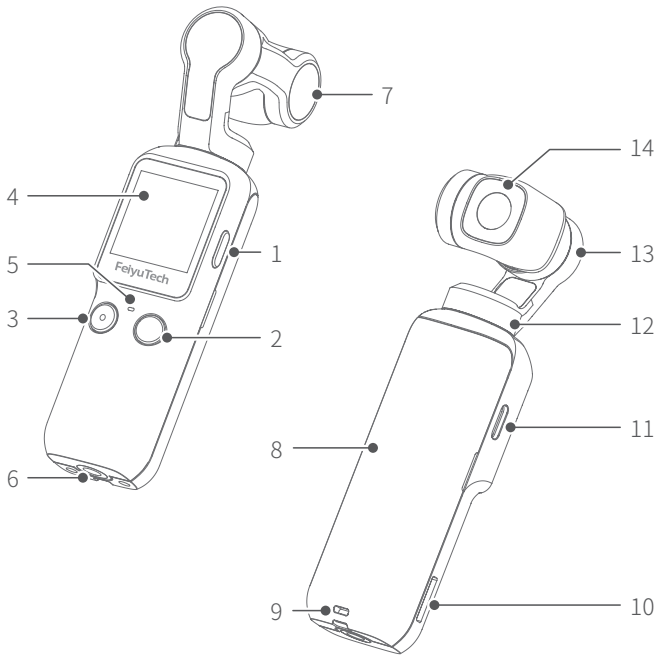
* Requires iOS 9.0 or above, Android 6.0 or above.
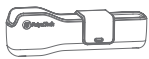
iOS Version   Android Version

 App Store   Google play

1. Overview

1. Power Button
2. Function Button
3. Shutter Button
4. Touch Screen
5. Indicator

6. 1/4 inch Thread Hole
7. Tilt Axis
8. Handle (Built-in battery)
9. Wrist Strap Hole
10. MicroSD Card Slot

11. Type-C Charging Port
12. Pan Axis
13. Roll Axis
14. Camera Lens

Accessories

x 1

Protective cover

x 1

Type-C cable

x 1

Wrist strap

2. Start to Use

⚠️ (1) Please fully charge the battery before powering on the product for the first time.
(2) When not in use, power off the product.

2.1 Charging

Connect Type-C cable with charging port to charge Feiyu pocket.

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	Green light is on
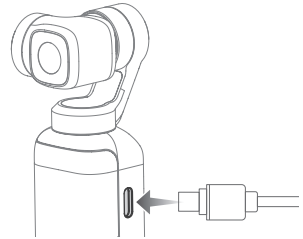
2.2 Insert MicroSD Card

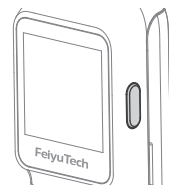An UHS‐Ⅰ Speed Grade 3 (U3) rating microSD card (equipped by user) is required.

Please format the microSD card with Feiyu pocket when insert it at the first time.

* A formal microSD card from well-known brands (like Samsung, Sandisk, Kingston, etc.) is recommended.
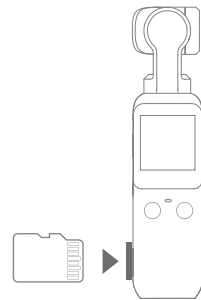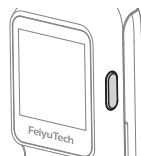
2.3 Power ON / OFF

Long press power button for 1 second to power ON/ OFF.

FeiyuTech

3. Function Operation

3.1 Power Button

Operation	Description
Long press for 1s	Power ON/ OFF
Single tap	(1) Switch among Video/ Photo mode/ Recently used function
	(2) Return to the previous menu

3.2 Function Button

Operation	Description
Single tap	Switch working modes [1]
Double tap	Recenter
Triple tap	Enter/ Exit selfie mode
Press and hold	Enter lock mode

[1] Switch working mode in this order: (1) follow mode (2) all follow mode (3) pan mode, and mode (1) is default mode after power on.

◼ Working modes Introductionv

(1) Follow mode （Default mode)
The roll direction is fixed, and the lens moves according to the left-right movements, up-down movements of the user's hand.

(2) All follow mode
The lens moves according to the user's hand.

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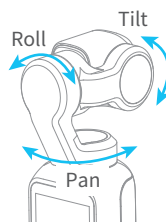The roll and tilt direction are fixed, and the lens moves according to the left-right movements of the user's hand.

(4) Lock Mode
The orientation of the lens is fixed.

(5) Recenter
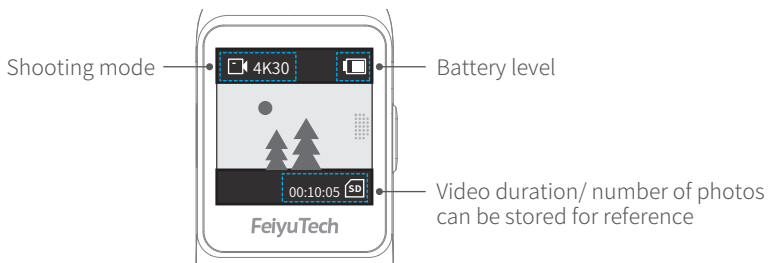Lens return to center and keep towards front or back as before.

Roll　Tilt　Pan

3.3 Shutter Button

Operation	Description
Single tap	Take Photo/video/ return to the home page
Long press for 3s	Turn on/off Wi-Fi

3.4 Touch Screen

Shooting mode — 4K30 — Battery level

Video duration/ number of photos can be stored for reference

Slide from right to left

Switch among different shooting modes and set corresponding mode parameters.
Slide up and down to switch among photo/ video/ slow-motion/ timelapse/ panorama mode, tap to enter corresponding mode setting.

Photo

Users can set aspect ratio of photos and countdown to take photo.

Optional aspect ratio: 4:3 / 16:9
Optional countdown time: Off/ 3s/ 5s/ 7s

Video

Users can set video resolution and FPS.
Optional video resolution/ FPS:
4K 24/25/30/48/50/60, 2.7K 24/25/30/48/50/60, 1080P 24/25/30/48/50/60/120

SLO Slow Motion

Users can shoot slow-motion video.
Optional ratio of slow-motion recording: 4K 2X/ 1080P 4X/ 720P 8P

Timelapse

Users can choose static or motion timelapse, and enter shooting interface after chose, and set shooting interval and duration by tap the bottom of the interface.

When you choose motion timelapse, tap ⊞ to set start position ⌈1⌉ , tap ⊞ again to set end position ⌈2⌉, tap ⊠ to delete position.
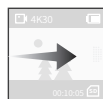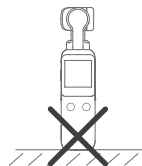
▣ Panorama

Users can choose different panorama mdes: 2x2/ 3x3/ 180°

2 x 2 :   two images above and two below combine to one picture

3 x 3 :   3 images above in every three layers combine to one picture

180°:   4 lateral images combine to one picture

Please hold the product or mount it on tripod when shooting panorama. Do not put camera on plane directly to shoot !

Slide from left to right

Enter album.

Slide up and down to view photos or videos.

▶ Play

Tap to play the current video.

♥ Favorite

Photos and videos which are marked as like, can be viewed in album [**Favorite**] after connected Feiyu Cam App.

Tap to unmark.

♡ Haven't been marked as favorite yet

Tap to mark it as favorite.

🗑 Delete

Delete the current picture or video.

Slide upward

Enter gimbal control interface.

Users can recenter gimbal/ switch to selfie mode/ modify follow sensitivity/ switch working modes.

⋇ Recenter

Tap to recenter, lens return to center and keep towards front or back as before.

📷 Camera turn around

Camera horizontally rotate 180° to shoot, which can be used to take selfie.
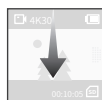
⚡ Motion

Camera follows the handle's movement faster.

🚶 Smooth

Camera follows the handle's movement move smoothly.

🖐 Follow mode

👕 All follow mode

🖐 Pan mode

Slide downward

Enter setting interface, slide upward to return the previous menu. Slide to left/ right to switch among different settings.

(1) HiBoard

Video/slow motion mode:	High quality	Super high quality
Photo mode:	Close beauty	Open beauty
Timelapse mode:	Save video only	Save photos and video

(2) System 🔘   Slide to left/ right to get move settings.

- Display battery level
- Switch between stabilization priority or quality first.
  ※Stabilization priority is not available in 1080 120p mode.
- Tilt control on/off
- Key tone on/off
- Anti-flicker setting
- Auto power off setting
- Enter calibration. When camera is not level, users can use it to fix. Place the product on a stable horizontal plane such as table, and follow the prompts on the screen to operation.
- Turn on/off Wi-Fi
- Display remaining storage spaces, tap to show format option.
- Metering mode setting, average metering and spot metering is available.
- Move settings, users can switch languages/ reset system parameters/ view device information(firmware version, SN code, etc.)

(3) Professional/Normal mode   [PRO] Professional Mode   [PRO] Normal mode

After switch to professional mode, users can tap **PRO** icon to set the related parameters.

Shooting Modes	PRO Professional Mode					
Parameter Settings	Photo Format	White Balance	Exposure	Color	Volume	**Photo format:** save pictures as JPG or J+R
Photo	✓	✓	✓			**White balance:** choose scene or adjust the color temperature.
Video		✓	✓	✓	✓	**Exposure:** auto or manual setting.
Slow Motion		✓	✓	✓		**Color:** switch between normal color or FY-log color(Keep more color).
Timelapse		✓	✓	✓		
Panorama	✓	✓	✓			**Volume:** set video volume.

(4) Full screen   Full screen display   Normal display

(5) Brightness setting   ☀ High brightness   ☀ Medium brightness   ☀ Low brightness

3.5 Indicator Explanation

Indicator	Indciator status	Description	Status
Green light	Flashes once	Photo	Powering on
	Keeps flashing	Video	Powering on
	Constant	Charge complete	Powering off
Red light	Constant	Charging	Powering off

4. Using the Feiyu Cam App

4.1 Connect with Feiyu pocket via Wi-Fi

⚠ Since Feiyu pocket's Wi-Fi **doesn't connect with internet**, please turn off the APP which would auto switch to available Wi-Fi, if system prompt cannot connect to internet, please allow using the Wi-Fi.

You can choose any of the following ways to connect Feiyu pocket via Wi-Fi:

App Connection

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

Smartphone Wi-Fi Connection

Turn on Feiyu Cam App, long press shutter button to turn on Wi-Fi, turn on smartphone Wi-Fi connection interface to connect Feiyu pocket via Wi-Fi (no internet connection).
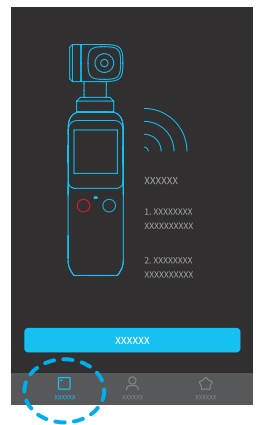
ⓘ After connection succeed, the touch screen of Feiyu pocket will show the device name which connect with it, and the touch screen will temporarily ineffective disconnect the Wi-Fi connection to recover.

4.2 Interface Introduction

⬚ **Feiyu Pocket**

  Enter album or display a live view from the camera.

  📷 **Camera live view**
  Enter camera shooting interface, live view and control Feiyu pocket.

👤 **Mine**

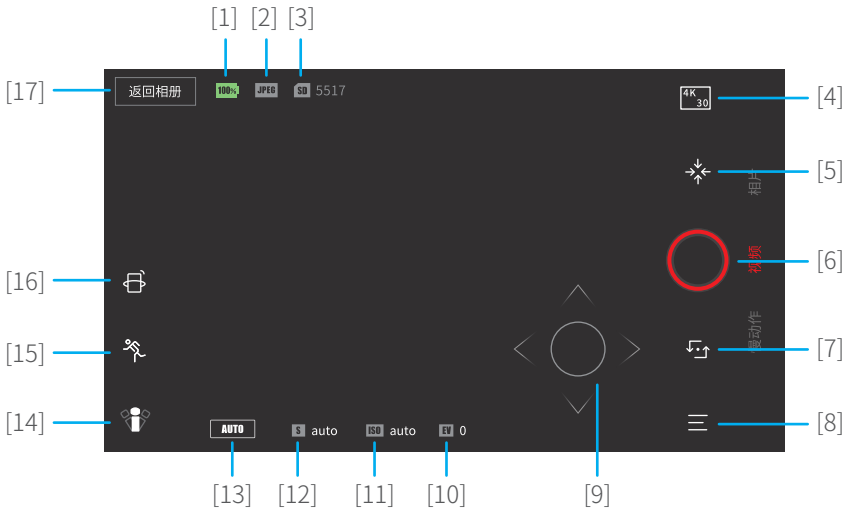 Enter user center to view works, update firmware, switch languages,etc.

⬠ **Tutorials**

  To watch tutorial videos and manual (need connect with internet).

4.3 Camera Interface

Tap [**Feiyu Pocket**] option, turn on [**Live view of the camera**]to enter the camera interface.

[1] [2] [3]

[17] 返回相册   100% JPEG SD 5517   4K 30   [4]

[5]

[16]   [6]

[15]   [7]

[14]   [8]

[13] [12] [11] [10] [9]

[1] Battery indicator   100%   Show battery level of Feiyu pocket.

[2] File format   JPEG   Prompt the file format of the saved file.

[3] Storage spaces   SD   Display remaining storage spaces.

[4] 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.

〔⏱〕 Will show in timelapse mode to set shooting interval , duration and route.

[5] Recenter ⟩⟨ Lens return to center and keep towards front or back as before.

[6] Shoot ◯ Start recording or take photo.

[7] Camera turn around ↓↑ Camera horizontally rotate 180° to shoot, which can be used to take selfie

[8] Camera settings ☰ Set parameters of current shooting mode, format SD card, view device information.

Shooting Modes	Simple / Advanced Mode										
Parameter Settings	Image enhancement	Anti-scintillation	Grid	Watermark	Photo aspect ratio	Photo format	Video format	Color	Volume	White balance	Panoramic mosaic
Photo		✓	✓	✓	✓	✓				✓	
Video	✓	✓	✓	✓			✓	✓	✓	✓	
Slow Motion		✓	✓	✓			✓	✓		✓	
Timelapse		✓	✓	✓			✓	✓		✓	
Panorama		✓	✓							✓	✓

[9] Joystick ⟨○⟩ Long press the circle and turn left and right to control pan axis, turn up and down to control tilt axis.

[10] Exposure compensation 〔EV〕 Set or display current exposure compensation.

[11] ISO 〔ISO〕 Set or display current ISO.

[12] Shutter speed 〔S〕 Set or display current shutter speed.

[13] Auto/manual mode 〔AUTO〕 〔M〕 Switch between auto/ manual mode.

[14] Working modes 🎥 All follow mode (FPV)   📷 Follow mode   📷 Pan mode

[15] Follow sensitivity 🏃 Fast follow   🚶 Smooth follow

[16] Smartphone motion sensing mode

⊡ Users can use smartphone to control pan and tilt axis through motion sensing.
※Need smartphone gyroscope sensor support.

[17] Back to album 〔返回相册〕 Tap to back and view photos and videos.

4.4 Firmware Upgrade

You can upgrade firmware online or via SD card, it is recommended to upgrade online.

Upgrade online

(1) Turn on Feiyu Cam App, after connecting Feiyu Pocket, tap [**Mine**]option, and tap···, choose "Upgrade Feiyu Pocket".

(2) Wait for upgrade, and Feiyu pocket's screen will show "upgrading".

(3) After upgrade successed, camera would auto turn off, please long press power button to restart.

Upgrade via microSD card

(1) Visit https://www.feiyu-tech.com/feiyu-pocket/，and download corresponding firmware to MicroSD card.
   ※Note: Please do not rename firmware name.

(2) After insert MicroSD card in Feiyu pocket, long press power button to turn on camera and wait for upgrade. And Feiyu pocket's screen will show "upgrading".
   ※The way to insert MicroSD card please refer to chapter 2.2.

(3) After upgrade successed, camera would auto turn off, please long press power button to restart.

4.5 Overload Protection

When motor continuously highly power output cause by incorrect operation or camera crash, camera will enter overload protection.

Tap screen to recover.

Gimbal protected
Tap to resume
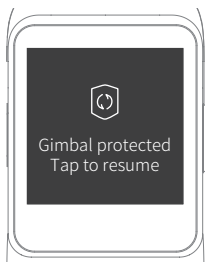
5. Maintenance

■ Storage

Place Feiyu pocket into the protective cover as shown.
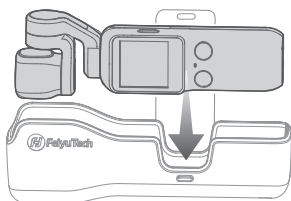
▼ Storage status
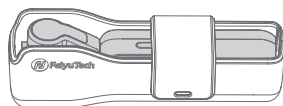
■ Maintenance Notes

(1) Please place the product into the protective cover by the right way to avoid damage.

(2) Make sure motor spinning is not blocked by external force when the product is power on. (1) Please place the product into the protective cover by the right way to avoid damage.

(3) DO NOT drop or strike the product to avoid damage.

(4) This product is not waterproof, please do not contact the camera with water or other liquid.

(5) Please pay attention to dust and sand.

(6) It is recommended to clean the product surface with a clean, soft dry cloth.

6. Specifications
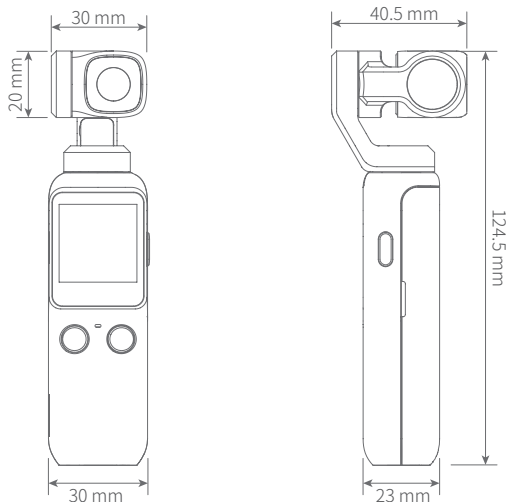
Product Name	Feiyu pocket
Weight	115g (Built-in battery)
Controllable Tilt Range	+140° to -140°
Controllable Tilt Range	+90° to -90°
Controllable Pan Range	+60° to -254°
Max. Speed	180°/s
Angular Vibration Range	±0.005°
Operating Temperature	0° ~ 40°
Water-proof Grade	NO
Category of Battery	lithium-ion battery
Battery Ccapacity	875mAh
Battery Power	6.738Wh
Voltage	7.7V
Charging Time for reference	1.2h
Working Time	270min(Working at 1080 60fps) 210min(Working at 4K 30fps)
Charging Port	Type-C Port

Image Sensor	1/2.5"CMOS
Effective Pixels	8.51M
Lens	FOV120° F2.8
IOS Range	拍照: 100~3200 录像: 100~3200
Electronic Shutter Speed	16s~1/8000
Max Image Size	3840*2144
Photo Mode	Photo / Panorama / Static Timelapse/ Motion Timelapse
Video Resolution	4K 3840*2160 60/50/48/30/25/24p 2.7K 2704*1520 60/50/48/30/25/24p 1080P 1920*1080 120/60/50/48/30/25/24p
Video Mode	Video / Timelapse / Slow Motion
Max Video Bit Rate	4K@ 60fps, Max. Bit rate is 120Mbps
Supported File Formats	FAT32 / exFAT
Photo Formats	JPG / JPG+DNG
Video Formats	MOV / MP4
Supported SD Cards	Micro SD, Max Capacity: 512G (U3 and higher speed SD Card is required)
Audio Output	48KHz / AAC
App Connecting Way	Connect via Wi-Fi

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 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.

FCC Warnning:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

Official Social Media

Website	Facebook	Youtube	Twitter	Instagram

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

FeiyuTech

Guilin Feiyu Technology Incorporated Company

For more information, please visit our official website www.feiyu-tech.com

E-mail: service@feiyu-tech.com   Tel: +86 773 2320865

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.