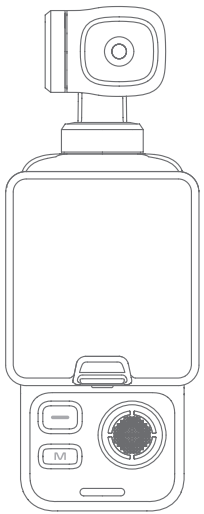
FeiyuTech

Feiyu Pocket 4

User Manual



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Tutorial

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

Download APP

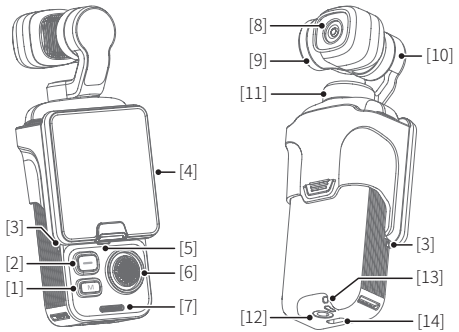
Connect with FeiyuCam App to achieve more functions.
Scan the QR code to download the app, or search for "FeiyuCam" in the App Store or Google Play.

* Requires iOS 15.0 or above, Android 10.0 or above.

iOS

Android

1. Overview



[1] Shortcut button (M button)
[2] Shutter button
[3] Microphone
[4] Sliding touchscreen
[5] Indicator light
[6] 5-way joystick
[7] Speaker
[8] Lens
[9] Tilt axis
[10] Roll axis
[11] Pan axis
[12] 1/4-inch thread mount
[13] Strap hole
[14] Type-C port

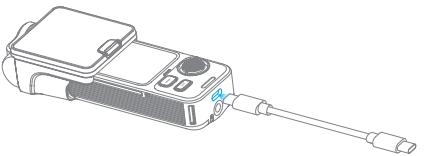
Indicator Light Status	Description
Red light steady on	Charging
Green light steady on	Charging complete
Green light flashes once	Photo taken (flashes once per shot in all modes)
Green light slowly flashes continuously	Recording video
Red light slowly flashes continuously	Firmware updating
Red light rapidly flashes continuously	Error or abnormality

2. Start to Use

(1) Please fully charge the battery before initial use.
(2) Turn off the power when the device is not in use.
(3) It is advisable to charge the device at least once a month.

2.1 Charging

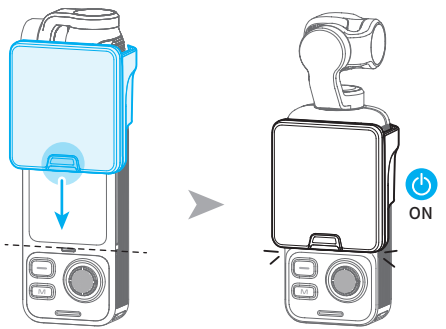
Connect Type-C cable with charging port to charge.



2.2 Power On/Off

• Power On

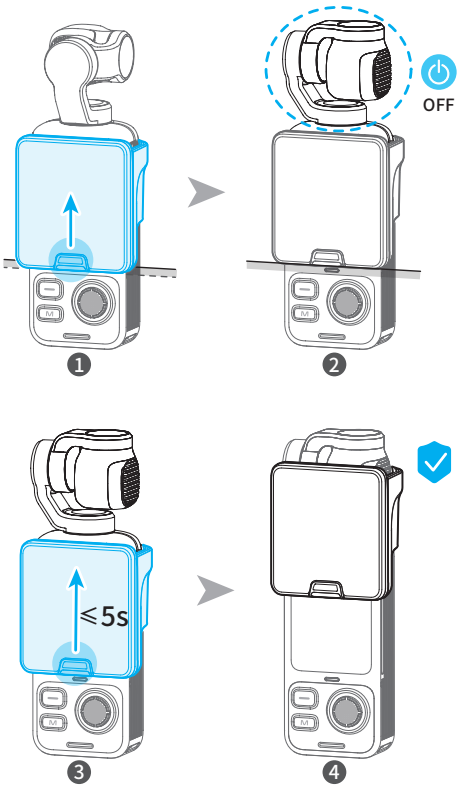
Swipe down on the screen to turn on the device.



• Power Off

Swipe up slightly on the screen to the locking position; the device head will automatically retract into the stowed position, and the device will power off automatically after 5 seconds.

It is recommended to swipe up on the screen again within those 5 seconds to protect the device head.



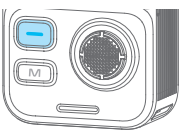
3. Button operation

3.1 Follow modes introduction

	Pan follow(PF): only the pan axis follows the movement of user's hand.
	Pan and tilt follow(PTF): where both the pan and tilt axes follow the movement of user's hand, but roll axis does not.
	All follow(FPV): all 3 axes follow the movement of user's hand.
	Lock mode: all 3 axes do not follow the movement of user's hand, gimbal keeps the direction of the camera fixed.

3.2 Shutter button

Single tap:
(1) Start recording/ Stop recording/ Take photo
(2) Return to home page (In other pages)
Long press: Power ON/Power Off



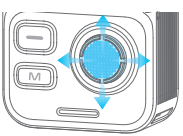
3.3 Shortcut button (M button)

Single tap: Pan follow/Pan and tilt follow / All follow (Switch in turn)
Double tap: Recenter
Long press for 6 seconds: Restart



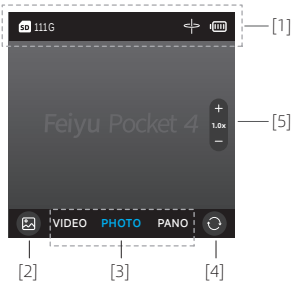
3.4 5-way joystick

Push:
(1) Push up/down to control tilt axis rotation / control zoom
(2) Push left/right to control pan axis rotation
Double tap: Digital zoom / control tilt axis
Long press: Enter lock mode (Release to exit)



4. Touchscreen operation

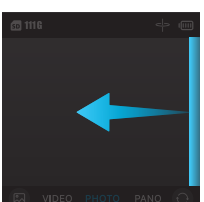
4.1 Home Page



Option	Description
[1] Status bar	Displays information such as remaining storage capacity, Wi-Fi connection status, current tracking mode, and remaining battery level.
[2] Album	Tap to enter the album.
[3] Shooting mode	Tap the shooting mode name to quickly enter that mode; the current shooting mode is shown in blue text.
[4] Selfie mode	Tap the lens to rotate it 180° horizontally.
[5] Digital zoom	Tap "+" or "–" to zoom in or out of the live view.

4.2 Swipe Left

Swipe left from the right edge to enter AI Mode / Pro Mode settings.

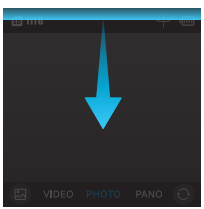


Shooting Mode	AI Options				Pro Options				
	Portrait gesture recognition	Selfie face tracking	Object tracking	Photo beauty	Exposure	WB	Color	Sound recording	Format
SLO-MO					√	√			
VIDEO	√	√	√		√	√	√	√	
PHOTO	√	√	√	√	√	√			√
PANO					√	√			
TIME-LAPSE					√	√			
Night					√	√	√	√	

" √ " indicates the option is settable/available.

4.3 Swipe Down

Swipe down from the top edge to enter shooting settings.



- **Slow Motion Mode (SLO-MO)**

Option	Setting	
Resolution	HD	Full HD
Speed	8X	2X / 4X

- **Video Mode (VIDEO)**

Proportion	Option	Settings
16:9	Resolution	1080p / 2.7K / 4K
	Frame Rate	24/ 25 / 30 / 48 / 50 / 60 / 120 (1080p)
9:16	Resolution	1080p / 2.7K / 3K
	Frame Rate	24/ 25 / 30 / 48 / 50 / 60

4:3	Resolution	4K
	Frame Rate	24/ 25 / 30
2.35:1	Resolution	4K
	Frame Rate	24/ 25 / 30 / 48 / 50 / 60

- **Photo Mode (PHOTO)**

Option	Setting
Proportion	16:9 / 4:3 / 1:1
Timer	OFF / 3s / 5s / 7s

- **Panorama Mode (PANO)**

Option	Setting
PANO	2x2 / 3x3 / 180°
Timer	OFF / 3s / 5s / 7s

- **Time-lapse Mode (TIME-LAPSE)**

Option	Setting	
TIME-LAPSE	Motion Time-lapse	
	Static Time-lapse	Scenes: be crowded with visitors/ The clouds roll and unfurt / sunrise and sunsiset / user-defined
	Track Time-lapse	Scenes: from left to ritht / from right to left / Custormized trajection
Resolution	1080p/ 2.7K /4K	
Frame Rate	25 /30	

Time-lapse Settings Description:

Motion Time-lapse	
Option	**Setting**
Speed	2X / 5X / 10X / 15X / 30X

Static Time-lapse				
Scene		Interval per Frame	Shooting Duration	Generated Video Duration
Preset	be crowded with visitors	0.5s	10min	00:48
	The clouds roll and unfurt	2s	10min	00:12
	sunrise and sunsiset	3s	1h	00:48
user-defined	Interval per Frame Settings: 0.5s / 1s / 2s / 3s / 4s / 5s / 6s/ 7s / 8s / 9s / 10s / 11s / 12s / 13s / 14s / 15s / 20s / 30s/ 40s / 60s Duration Settings: 5min / 10min / 20min / 30min / 1h / 2h / 3h / 5h / ∞			

Track Time-lapse	
Option	Description
from left to ritht	Shoot by moving horizontally from -30° to 30°
from right to left	Shoot by moving horizontally from 30° to -30°
Customized trajectory	Shoot along a motion path defined by custom waypoints. **Setting Method:** Use the joystick or manually tilt the tilt/pan axes to the desired angles. Tap the "+" in the center of the screen to record the current position as a waypoint. Continue adding waypoints in this manner; up to 4 waypoints can be recorded. Tap the play button on the right side to preview the path.
Interval per Frame	1s / 2s / 3s / 4s / 5s / 6s/ 7s / 8s / 9s / 10s / 11s / 12s / 13s / 14s / 15s / 20s / 30s/ 40s / 60s
Duration	5min / 10min / 20min / 30min / 1h / 2h / 3h / 5h

- **Night Scene Mode (Night)**

Option	Setting
Resolution	1080
Frame Rate	24 / 25 / 30

4.4 Swipe Up

Swipe up from the bottom edge to enter system settings.



Option	Description
WiFi Settings	Wi-Fi switch, view Wi-Fi name and password.
Brightness	Set screen brightness.
Gimbal Mode	Switch gimbal follow mode.
Pan tilt steering Speed	Set gimbal pan speed to Slow / Default / Quick
Language	Set system language
Video Encoding Format	Can be set to H.264 / HEVC
Gimbal Calibration	Calibrate the gimbal as per on-screen prompts.
Prompt Tone	Set system prompt volume to Mute / Low / Middle / High
Flicker Reduction	Can be set to Off / 50Hz / 60Hz
Reset	Restore all settings to factory defaults; all settings will be reset.
Selfie Mirror	When enabled, mirror the image in selfie mode.
Protune	Can be set to Average Metering(AM) / Spot Metering(SM)
Auto Power Off	Can be set to Off / 1min / 5min / 10min / 15min.
Timestamp	When enabled, add a timestamp to photos or videos.
Format The Memory Card	Formatting will delete all data on the memory card. Please back up your data before proceeding.
Device information	View device name, serial number, firmware version, and gimbal firmware version.

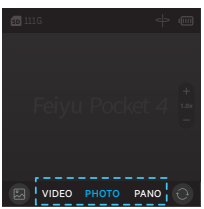
5. Function Operation

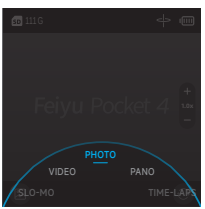
5.1 Switching Shooting Modes

Modes	Description
SLO-MO	**Slow Motion Mode:** Record at a high frame rate and play back at a normal frame rate to create a slow-motion effect.
VIDEO	**Video Mode:** Standard moving-image recording, with support for setting aspect ratio, resolution, and frame rate.
PHOTO	**Photo Mode:** Capture still images, supporting single shot and timed shooting.
PANO	**Panorama Mode:** Automatically stitch multiple frames together while the camera moves smoothly to generate a wide-angle panoramic photo, ideal for landscapes and large scenes.
TIME-LAPSE	**Time-lapse Mode:** Automatically capture and composite video based on preset motion paths, intervals, and durations, condensing changes in scenery and movement over time.
Nigh	**Night Scene Mode:** Optimize low-light environments and enhance brightness.

Method 1:

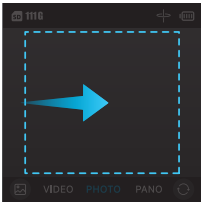
Press and hold on the shooting mode area, then slide to select and switch between shooting modes.

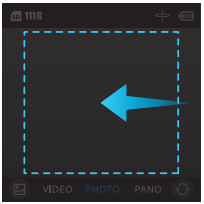




Method 2:

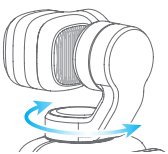
Swipe left or right on the central area of the display to switch between shooting modes sequentially.





5.2 Switching Gimbal Follow Mode

Press the shortcut button (M button) once to cycle through: Pan Follow / Pan and tilt follow / All follow.
Press and hold the 5-way joystick to enter Full Lock mode; release it to exit and return to the previous follow mode.
The current follow mode icon is displayed in the upper right corner of the screen.



Pan follow(PF)

only the pan axis follows the movement of user's hand



Pan and tilt follow(PTF)

where both the pan and tilt axes follow the movement of user's hand, but roll axis does not.



All follow(FPV)

all 3 axes follow the movement of user's hand.



Lock mode

all 3 axes do not follow the movement of user's hand, gimbal keeps the direction of the camera fixed.

5.3 Image Settings

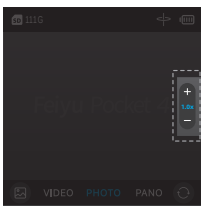
Swipe left on the display and tap "Pro" to adjust settings such as Exposure and White Balance. For available options, refer to Section 4.2.

5.4 Shooting Parameter Settings

Swipe down on the display to enter shooting settings. For available options, refer to Section 4.3.

5.5 Zoom

Double-tap the 5-way joystick to toggle between digital zoom and tilt axis control. When the "1.0x" text on the right turns blue, the device is in zoom control mode. Tap "+" or "–", or push the joystick up/down to zoom in or out of the live view.



5.6 AI Tracking

In Video mode, swipe left on the display and turn on the "Portrait Gesture Tracking", "Selfie Face Tracking", or "Object Tracking" switch under AI Options.

5.6.1 Portrait Gesture Tracking

Tracking can be controlled via hand gestures:



OK gesture – Start tracking / Exit tracking

Start tracking: the device automatically detects a face and locks onto the tracking target when a green frame appears. Perform the same gesture again to exit tracking.
The interval between two gestures must be at least 3 seconds.



Open palm – Take photo / Record video

In Photo mode: takes a photo.
In Video mode: starts recording; perform the same gesture again to stop recording.



Double L-shape gesture – Custom composition

Start composition: move the subject to the desired position in the frame, then perform the same gesture again to complete the composition.



Double thumbs-up gesture – Disable gesture control

While tracking is active, this gesture disables gesture control.

5.6.2 Selfie Face Tracking

In Selfie mode (lens facing toward you), the device automatically detects a face and locks onto the tracking target when a green frame appears. The lens follows the target automatically. Double-tap the shortcut button (M button) to re-identify the tracking target.

5.6.3 Object Tracking

Double-tap the object you wish to track. When a green frame appears, the target is locked and the lens automatically follows it. You may also tap the object first to bring up a pre-selection yellow frame to confirm the tracking target.

6. Using the FeiyuCam App

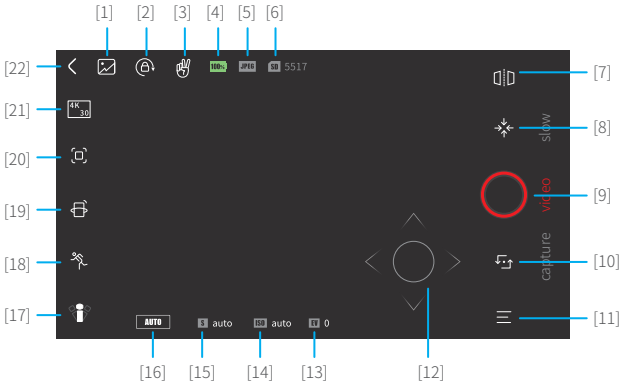
6.1 Connecting to the Camera Wi-Fi

(1) On the Pocket 4, swipe up from the bottom, select System Settings > Wi-Fi Settings, and turn on the Wi-Fi switch.

(2) Open the FeiyuCam App, tap the [Feiyu Pocket] tab, and follow the on-screen prompts to connect to the device.



6.2 Camera Interface Introduction



[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.
[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		All follow mode
		Pan and tilt follow mode
		Pan mode
[18] Follow sensitivity		Fast follow
		Smooth follow
[19] Smartphone motion sensing mode		Users can use smartphone to control pan and tilt axis through motion sensing. *Need smartphone gyroscope sensor support.
[20] AI tracking		**Object tracking:** Select the object in camera interface to lock it, and camera will auto rotate to follow the object movement.
		**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.
		Will show in photo mode to set countdown time of shooting.
		Will show in timelapse mode to set shooting interval , duration and path.
[22] Return		Return to the previous menu

6.3 Firmware update

Open the FeiyuCam App, go to the [Home] tab, tap the "..." in the upper right corner of the user info bar, and select "Upgrade Feiyu Pocket". Make sure the mobile network is working properly and the device battery level is ≥ 20%. The upgrade will take approximately 3 minutes.

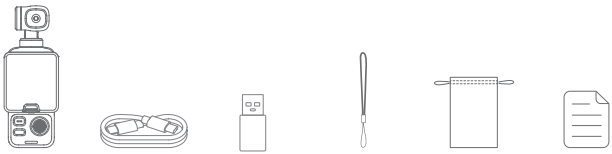
7. Specifications

Product Name	Feiyu Pocket 4 Handheld Gimbal Camera
Product Model	FeiyuPT4
Controllable Range	Tilt: -70° ~ 130° Roll: -45° ~ 45° Pan: -80° ~ 330°
Mechanical Range	Tilt: -185° ~ 134.5° Roll: -90° ~ 229.5° Pan: -100° ~ 350°
Angular Vibration Range	±0.005°
Max Controllable Speed	180° /s
Dimensions	140.5*52*31.7mm (Storage status)
Weight	About 205g
Body Material	Aerospace aluminum-magnesium alloy, plastic
Waterproof Rating	Not waterproof
Battery	Capacity: 1300 mAh Type: Li-ion battery Voltage: 7.4 V Operating Temperature: 0° C ~ +40° C
Working time	About 2.5h (standard lab environment, 1080P/30fps recording, Wi-Fi off)
Charging Time	About 95 min (standard lab environment, using an 18W charger)
Camera	· Image Sensor: 1/1.55-inch CMOS · Effective Pixels: 50 MP · Lens: Field of View (FOV): 110° , Aperture: f/2.2 · ISO: 100~3200 · Electronic Shutter Speed: 1/8000~16s · Maximum Photo Resolution: 8192*6144

	· Image Format: JPG/JPG+DNG · Photo Modes: Single shot, Panorama · Video Resolution: 4K 3840*2160@60/50/48/30/25/24fps 2.7K 2720*1520@60/50/48/30/25/24fps 1080P 1920*1080@120/60/50/48/30/25/24fps · Video Format: MP4 · Recording Modes: Video recording, Time-lapse (static / motion / track), Slow motion · Maximum Video Bitrate: 4K 60fps, maximum 80Mbps
Storage*	Built-in128GB eMMC
Audio Format	AAC（48kHz）
Display	2.64 inch
Wi-Fi/Bluetooth	5GHz Wi-Fi

*Storage Note:The product comes with built-in 128GB eMMC storage (nominal value, calculated as 1GB = 1 billion bytes). Due to the operating system using binary conversion (1GB = 1024MB) and the need to pre-install system firmware and software, the actual user-available space is approximately 111GB. Available capacity may vary slightly depending on system version and software updates.

List



① Pocket 4 x 1
② Type-C to Type-C Cable x 1
③ USB 3.0 Type-A to Type-C Adapter x 1
④ Wrist stra x 1
⑤ Portable bag x 1
⑥ Manual x 1

Notice:

1. Ensure the motors are not obstructed by external forces during power-on and operation.
2. DO NOT expose the gimbal to water or other liquids.
3. DO NOT disassemble the gimbal. If it is accidentally disassembled and malfunctions, send it to after-sales for repair. All related costs are the user's responsibility.
4. Continuous operation may cause the motor housing to become hot. Operate with care.
5. DO NOT drop or strike the gimbal. Impact may damage it or cause malfunction. If abnormal operation occurs after a drop or impact, contact after-sales support immediately.

Storage and Maintenance:

1. Keep the gimbal out of reach of children and pets.
2. DO NOT leave the gimbal near heat sources (e.g., furnaces or heaters) or inside a vehicle on hot days.
3. Store the gimbal in a dry environment.
4. DO NOT overcharge or overdischarge the battery, as this can damage the cells. If unused for extended periods, charge it at least once a month.
5. DO NOT use the gimbal in environments that are excessively hot or cold.

Warning: Battery Disposal and Recycling Instructions

The built-in rechargeable battery shall not be removed by the user.
Before disposal, power off the appliance and disconnect the external power supply, then have the battery removed by qualified service personnel. The battery shall be recycled in accordance with local regulations and must not be disposed of with household waste.

Qualified Service Personnel Only:

(1) Power off the appliance and disconnect the external power supply.
(2) Remove the enclosure using insulated tools to avoid damaging the battery.
(3) Disconnect the battery and insulate the battery terminals.
(4) Remove the battery and deliver it to a qualified disposal facility.

This document is subject to change without notice.

Warning: Please read the user manual carefully before use. Improper use of this product may cause damage and pose a risk to your safety.

Data Security Notice

To ensure your data security, please note the following:

- Due to factors such as the physical characteristics of electronic storage media, variations in operating environments, and force majeure, the Company shall not assume any responsibility for the loss or corruption of recorded video footage caused by hardware failure, storage medium damage, or other non-human factors beyond reasonable control.
- To mitigate the risk of data loss, it is recommended that you export the video content captured on the same day in a timely manner.

FCC STATEMENT

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.
(2) This device must accept any interference received, including interference that may cause undesired operation.

Warning:

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

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.

RF warning statement:

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

Feiyu Gimbal Privacy Policy

Guilin Feiyu Technology Incorporated Company (hereinafter referred to as "Feiyu", "we", or "us") understands the importance of your privacy and is committed to protecting it. This Privacy Policy (the "Policy") applies to the gimbals we provide.

If under the laws of your jurisdiction you are considered a minor or do not have full legal capacity (hereinafter "Minor"), please carefully read and fully understand this Policy together with your legal guardian. You may use Feiyu products and services only after obtaining your guardian's consent.

Please read this Policy carefully to ensure you understand how we handle your personal information. We will process your personal information in compliance with applicable laws and regulations, based on lawful and legitimate purposes and in accordance with the principle of good faith. If you have any questions about this Policy, you can contact us using the information provided on our website.

I. How we collect and use your personal information

Personal information is information recorded electronically or otherwise that relates to an identified or identifiable natural person, and does not include information that has been fully anonymized. Please note that definitions of "personal information" (also referred to as "personal data") may vary in different countries or regions; for specifics, please refer to the personal information protection laws and regulations applicable in your location.

We adhere to the principles of lawfulness, fairness, and necessity when collecting and using your personal information for the purposes described below. We collect the personal information you voluntarily provide during your use of our products and services, or that is generated as a result of such use. If we need to use your personal information for any purposes not stated in this Policy, or to use information collected for one purpose for another purpose, we will notify you in a reasonable manner and obtain your consent again before such use.

(A) Collection of Personal Information

When you use our products/services, we will collect and use the following personal information:

1. To provide you with the "Gesture Control" service, when you enable the "Gesture Control" feature and make a gesture, the gimbal captures images of your head and hands. On-device AI analyzes your hand structure in real time to recognize the gesture command and activate the specified function.This processing is one-time only and is necessary to provide the service. Rest assured, we do not store any images of your head or data about your hand structure. You can turn off the AI camera at any time under More Settings > AI Power.

2. To provide you with the "AI Tracking" service, when you enable the "AI Tracking" feature during use, the gimbal captures images of your head and body. On-device AI analyzes your head and body structure in real time to track movement. This processing occurs only during each recognition session and is necessary to provide the service. We do not store or retain any of your head or body structure data.

3. In addition to the information described above, in order to provide you with customer support services, we may collect the content you submit to our support team.

4. The content of this Policy will be updated periodically. Specific updates will be detailed in the manual on our official website at https://www.feiyu-tech.com.

Please be informed and rest assured that we deeply respect and prioritize the protection of your personal privacy. We will not store any video or audio content or recordings generated during your communications using our device.



Guilin Feiyu Technology Incorporated Company
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