

# Feiyu Tech Scorp Pro Detachable 3 Axis DSLR Mirrorless Professional Cam User Guide

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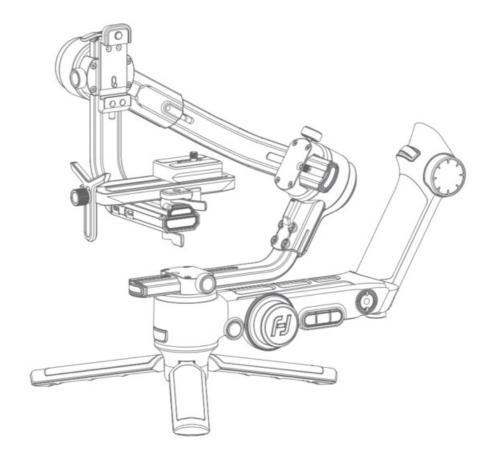


Quick Start Guide V 1.1

**Tutorial Videos** 



https://www.feiyu-tech.com/play/135.html



#### **User manual**

Scan the QR code to get the latest user manual or download it from the official website. <a href="https://www.feiyu-tech.com/feiyu-scorp-pro/">https://www.feiyu-tech.com/feiyu-scorp-pro/</a>



## **Download the App**

Scan the QR code to download the app, or search for

- "Feiyu SCORP" in the App Store or Google Play.
- \* Requires iOS 9.0 or above, Android 6.0 or above.

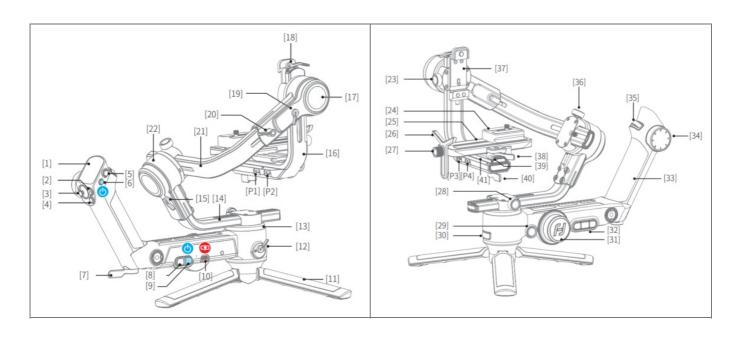


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## Overview

\* Not include a camera.



## **Getting started**

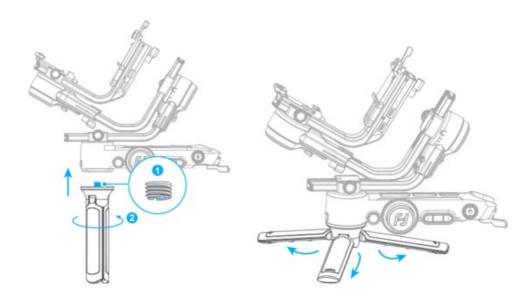
## Charging

Please fully charge the battery before powering on the gimbal for the first time. Charging with USB2.0 to Type-C cable supports quick charge.



#### Install the tripod

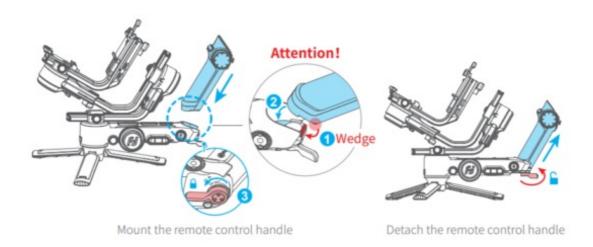
Install the 3/8 - 1/4 inch thread insert ① on the 1/4 inch screw which is on the top of the tripod (The thread insert is factory mounted). Mount the tripod ② to the bottom of the gimbal, then unfold the tripod and place the gimbal on a flat surface.



#### Install the remote control handle

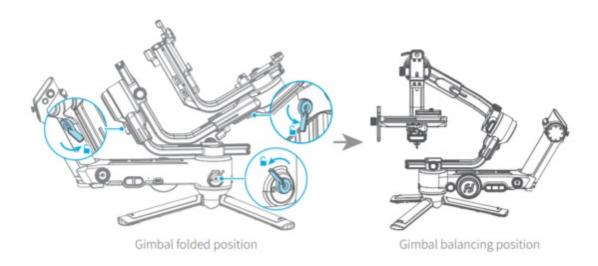
When installing the handle, please wedge the buckle ①, then push down the handle from ②, until the handle lock ③ is engaged, then toggle the handle lock lever to the locked position to finish the installation.

When detaching the handle, please toggle the handle lock lever to the unlocked position, and pull up the handle.



## Adjust the gimbal position to a gimbal balancing position

The gimbal is folded by default, please toggle the tilt lock, roll lock, and pan lock levers to the unlocked position and adjust the gimbal position to the gimbal balancing position, and then toggle the three locks to the locked position.



#### **Mounting the Camera**

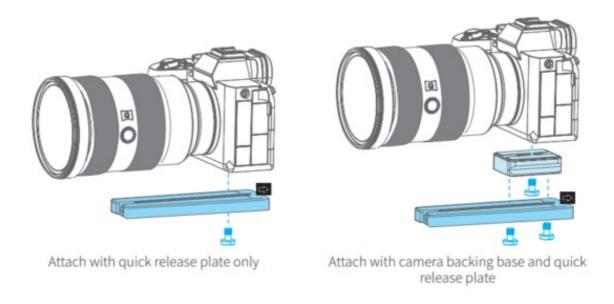
Before mounting the camera, make sure the camera is ready for shooting (Install the camera lens, and the lens cover should be removed, the memory card and battery needs to be inserted into the camera, and the battery is fully charged), complete all the steps which mentioned in chapter "2. Getting started" and the gimbal is adjusted to gimbal balancing position.

Make sure the gimbal is powered off or in sleep mode before mounting the camera.

#### Attach the quick release plate and camera backing base(Optional)

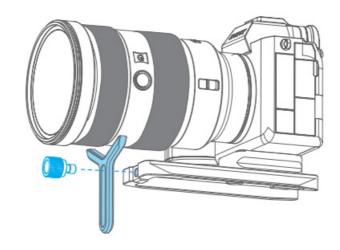
Attach the guick release plate to the camera by tightening the screw.

Users can choose to attach the camera backing base according to need ( For example, when using a long or heavy lens). Attach the camera backing base to the camera, then attach it to the quick release plate by tightening 2 screws.



#### Install lens holder (Optional)

Install the lens holder on the quick release plate as needed, the rubber of the lens holder must be directly under the lens. It is recommended to use the lens holder when using a long or heavy lens.

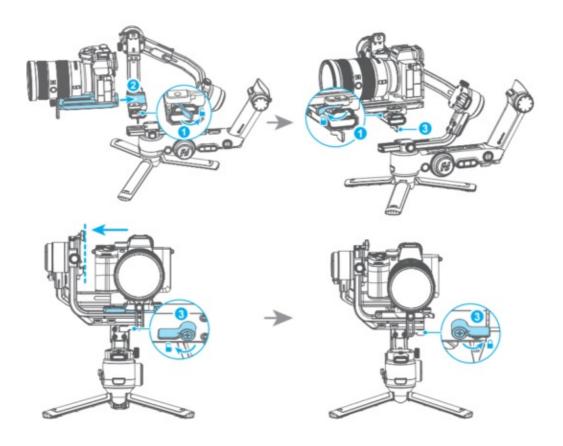


#### Mount camera on a gimbal

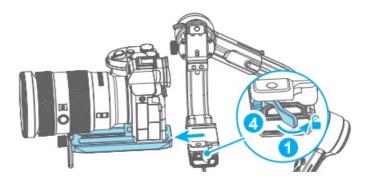
#### Horizontal mounting

Unlock the quick-release plate safety lock ①, push the plate with the mounted camera into the slot ② in direction

of the arrow, and lock the safety lock ① once the camera is roughly balanced. It is recommended to push the camera against the tilt axis. Unlock the slider lock ③ to move the camera left or right according to the camera's width, then lock the slider lock ③.

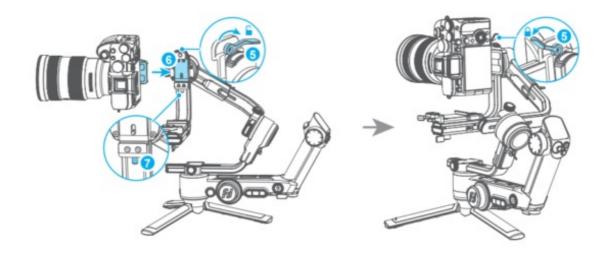


**Remove:** Unlock the quick release plate safety lock ①, remove the quick release plate while pressing the anti-drop column ④.



## **Vertical mounting**

Unlock the vertical quick release plate safety lock ⑤, push the plate with the mounted camera into the slot ⑥, lock the safety lock ⑤ once the camera is roughly balanced.



**Remove:** Please refer to the removal steps for horizontal mounting. Unlock the quick-release plate safety lock ⑤, remove the quick-release plate while pressing the anti-drop column ⑦.

## **Gimbal Balancing**

Please balance the gimbal before shooting. Make sure the camera and lens are ready for shooting, and the gimbal is powered off or in sleep mode before balancing. It is recommended to hold up the camera first, then move the slide arm, cross arm, and vertical arm.

Take horizontal mounting as an example.

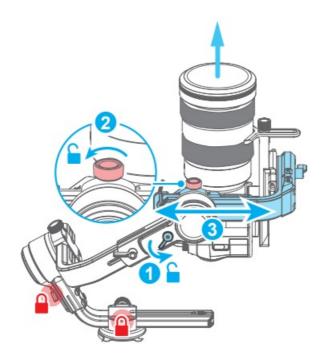


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## Balancing the tilt axis

#### Balancing the vertical tilt

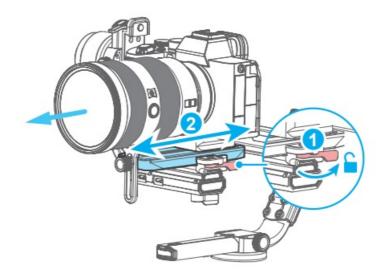
- a. Toggle the tilt lock levers ① to the unlocked position, and loosen the slide arm lock knob ②.
- b. Rotate the tilt axis so that the camera lens is pointing upward. Check the direction in which the lens tilts to.
- c. If the lens is tilted to one side, then the camera is that side heavy, move the slide arm ③ to the opposite direction, until the camera is steady pointing upward.
- d. Tighten the slide arm lock knob ② while holding the camera.



#### Balancing depth for the tilt axis

- a. Rotate the tilt axis so that the camera lens is pointing forward. Check the direction in which the lens tilts.
- b. If the lens is tilted to one side, then the camera is that side heavy, unlock the quick release plate safety lock ① and move the quick release plate to the opposite direction, until the camera is steady pointing forward.
- c. Lock the quick release plate safety lock ① while holding the camera.

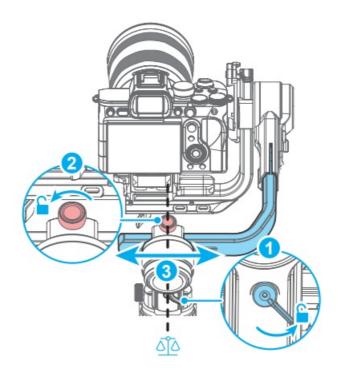
The tilt axis is balanced when the camera is steady while tilted up or down by 45°.



#### Balancing the roll axis

- a. Toggle the roll lock ① levers to the unlocked position, check the direction in which the camera tilt.
- b. If the camera is tilted to one side, then the camera is that side heavy, loosen the cross armlock knob ② and move the cross arm ③ to the opposite direction, until the camera can stay still and horizontal to the ground.
- c. Tighten the cross arm lock knob 2.

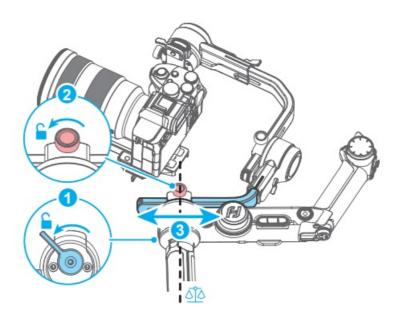
The roll axis is balanced when the camera can stay still and horizontal to the ground.



#### Balancing the pan axis

- a. Toggle the pan lock ① levers to the unlocked position. Hold the tripod, and tilt the gimbal forward until it is horizontal to the ground.
- b. If the camera is tilted to one side, then the camera is that side heavy, loosen the vertical arm lock knob ② and move the vertical arm ③ to the opposite direction, until the camera can stay still and horizontal to the ground.
- c. Tighten the vertical arm lock knob 2.

The pan axis is balanced when the camera can stay still and horizontal to the ground.



## Operation

#### Power ON/OFF

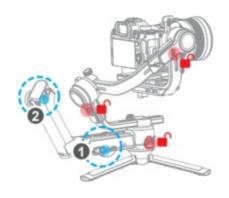
Before powering on the gimbal, make sure you have a balanced gimbal, and toggle the tilt lock, roll lock, and pan lock levers to the unlocked position.

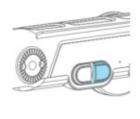
If you haven't unlocked all the 3 axes, the gimbal will enter sleep mode to protect itself. Please single tap the power button to wake up the gimbal after unlocked all the 3 axes.

! Please set motor power first after powering on a gimbal for the first time or after changing a new camera/lens.

Long press the power button and release it when you hear the beep sound to power on/off.

When the remote control handle is installed on a gimbal, both two power buttons can power on the whole combination. When the handle is detached, please power on each part separately.





Gimbal power button



② Handle power button

## **Button operation**

	Gimbal power button Long press: Power on/off the whole combination (Rem ote control handle installed) Power on/off the gimbal (Remote control h andle detached) Single tap: Wake up Double-tap: Enter sleep mode		Handle power button Long press: Power on/off the whole combination (Rem ote control handle installed) Power on/off the handle (Remote control h andle detached) Single tap: Wake up Double-tap: Enter sleep mode
	Gimbal mode button Single tap: Pan follow/Lock mode (Switch in turn) Double-tap: PDF Triple tap: FPV		Handle mode button Single tap: Pan follow/Lock mode (Switch i n turn) Double-tap: PDF Triple tap: FPV Long press: Motion sensing mode (Releas e to exit) Motion sensing mode is used while the ha ndle is detached
	Trigger button Double-tap: Recenter Triple tap: Enter/Exit selfie mode (Pan axis turns 180°) Press and hold: PTF (Release to exit) You can custom the function via the APP.		Joystick Push: Control the movement of the tilt and pan axes.
	Shutter button* Press half way: Focus Single tap (Fully): Start/Stop recording Long press (Fully): Take photo	00	Focusing wheel* Turn: Control electronic focusing The camera must support this function.
FIGURE	A/B/C button Long press: Mark the current position as A /B/C Single tap: Return to the position A/B/C that you have marked. Can be used to mark axes/focus position.		Home button Single tap: (1) Lock/Unlock screen (On home page) (2) Return to the home page (In other pages)

#### Multifunction knob (Main knob) Multifunction knob (Handle knob) Turn: (1) Control the movement of the roll, Turn: (1) Control the movement of the roll, tilt, and pan axes. tilt, and pan axes. (2) Control focus. (2) Control focus. (3) Contol focus motor 1. (3) Contol focus motor 2. (4) Adjust the parameter in the touch scre (4) Adjust the parameter in the touch en. screen. Set the current control option as the option Set the current control option as an option (1) or (2) or (3) through long-press the kno (1) or (2) or (3) through a swipe up on a ho b function switching button or swipe up on me page. a home page. **Knob function switching button** Single tap: Switch the control object while the multifunction knob(manin knob) controls the movement of the 3 axes (Tilt/ Pan/Roll) Long press: Switch the control options of t he multifunction knob(manin knob) in turn (The movement of the 3 axes/Electronic f ocus/Focus motor 1)

For more button function introductions please refer to the user manual.

#### Touch screen operation



Home page



# Motor power

Use autotune to adjust the motor power automatically, or adjust motor power for each axis manually.



## Follow speed

Users can select different gimbals to follow speed profiles, or custom follows speed.



#### Follow mode

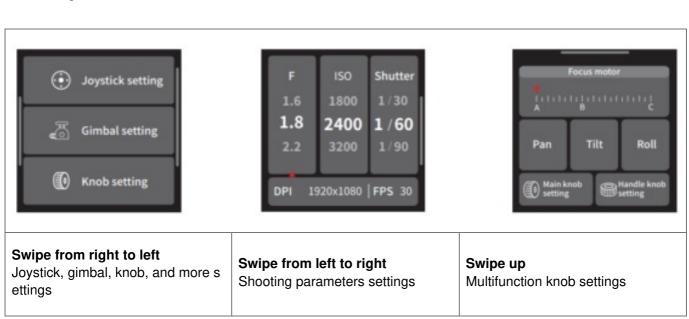
Select gimbal follows mode.

<sup>\*</sup>Need to connect with the camera. Refer to the camera compatibility list on <a href="https://www.feiyu-tech.com/feiyu-scorp-pro/">https://www.feiyu-tech.com/feiyu-scorp-pro/</a>

<b>د</b> 5	<b>PF:</b> Pan follow, only the pan axis follows the movement of the user's hand.
دري	<b>PTF:</b> Pan and tilt follow, where both the pan and tilt axes follow the movement of the user's hand, but the roll axis does not.
<b>2</b>	FPV: Pan, tilt, and roll follow, where all 3 axes follow the movement of the user's hand.
<b>ු</b>	<b>Lock:</b> All 3 axes do not follow the movement of the user's hand, the gimbal keeps the direction of the ca mera fixed.
<i>4</i> > <u>−</u>	FFW: Flash follow, where all 3 axes follow the movement of the user's hand at a high follow speed.



Select usage scenario.

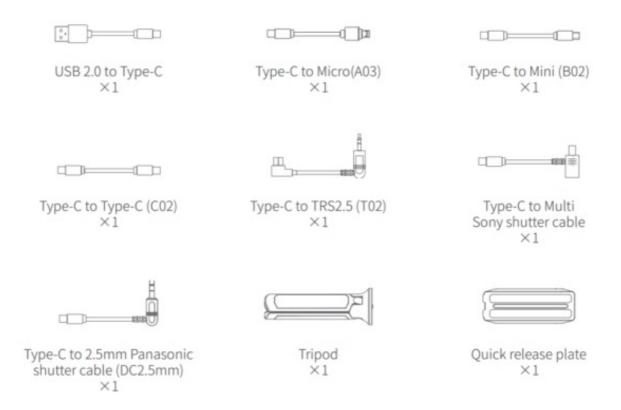


- Return to the previous menu: Swipe to the right

# **Specification**

Product name	Feiyu SCORP Pro 3-Axis Camera Handheld Stabilizer
Product model	Feiyu F4
Max. Tilt Range	340°
Max. Roll Range	340°
Max. Pan Range	360°
Weight	About 2100g
Payload Capability	About 4800g (Well-balanced)
Battery life	12 Hours
Battery	2500mAh
Operating Voltage	13V-16.8V
Compatible Camera s	SONY, Canon, Nikon, Panasonic camera, etc (Please download the detailed manual for the specific compatible camera and lens)

## **Accessories**





Camera backing base ×1



Lens holder ×1









3/8- 1/4 inch thread insert (The thread insert is factory mounted on tripod) ×1

## **Documents / Resources**



<u>Feiyu Tech Scorp Pro Detachable 3 Axis DSLR Mirrorless Professional Cam</u> [pdf] User Gu ide

Scorp Pro Detachable 3 Axis DSLR Mirrorless Professional Cam

Manuals+,