

FeiyuTech FeiyuTech SCORP 2

FeiyuTech SCORP 2 Gimbal Stabilizer User Manual

Brand: FeiyuTech | Model: FeiyuTech SCORP 2
For DSLR and Mirrorless Cameras with Integrated AI Tracking Sensor

INTRODUCTION

The FeiyuTech SCORP 2 Gimbal Stabilizer is a professional 3-axis camera stabilizer designed for DSLR and mirrorless cameras, offering advanced features such as an integrated AI tracking sensor, instant vertical filming setup, and versatile control options. This manual provides detailed instructions to help you set up, operate, and maintain your SCORP 2 gimbal for optimal performance.

WHAT'S IN THE BOX

- SCORP 2 Gimbal x1
- Tripod x1
- Camera Control Cable x7 (various types for compatibility)
- Fixed Plate x1
- Quick Release Plate x1
- Slider x1
- Camera Backing Base x1
- Camera Fixed Screw x3
- Lens Holder x1
- Lens Holder Screw x1
- USB2.0 to Type-C Cable x1

Package Contents

- | | | |
|-----------------------|------------------------|----------------------|
| ❶ Main body | ❷ Camera control cable | ❸ Fixed plate |
| ❹ Slider | ❺ Quick release plate | ❻ Camera fixed screw |
| ❼ Camera backing base | ❽ Lens holder | ❾ Lens holder screw |
| ❿ Tripod | ⓫ USB 2.0 to Type-C | |

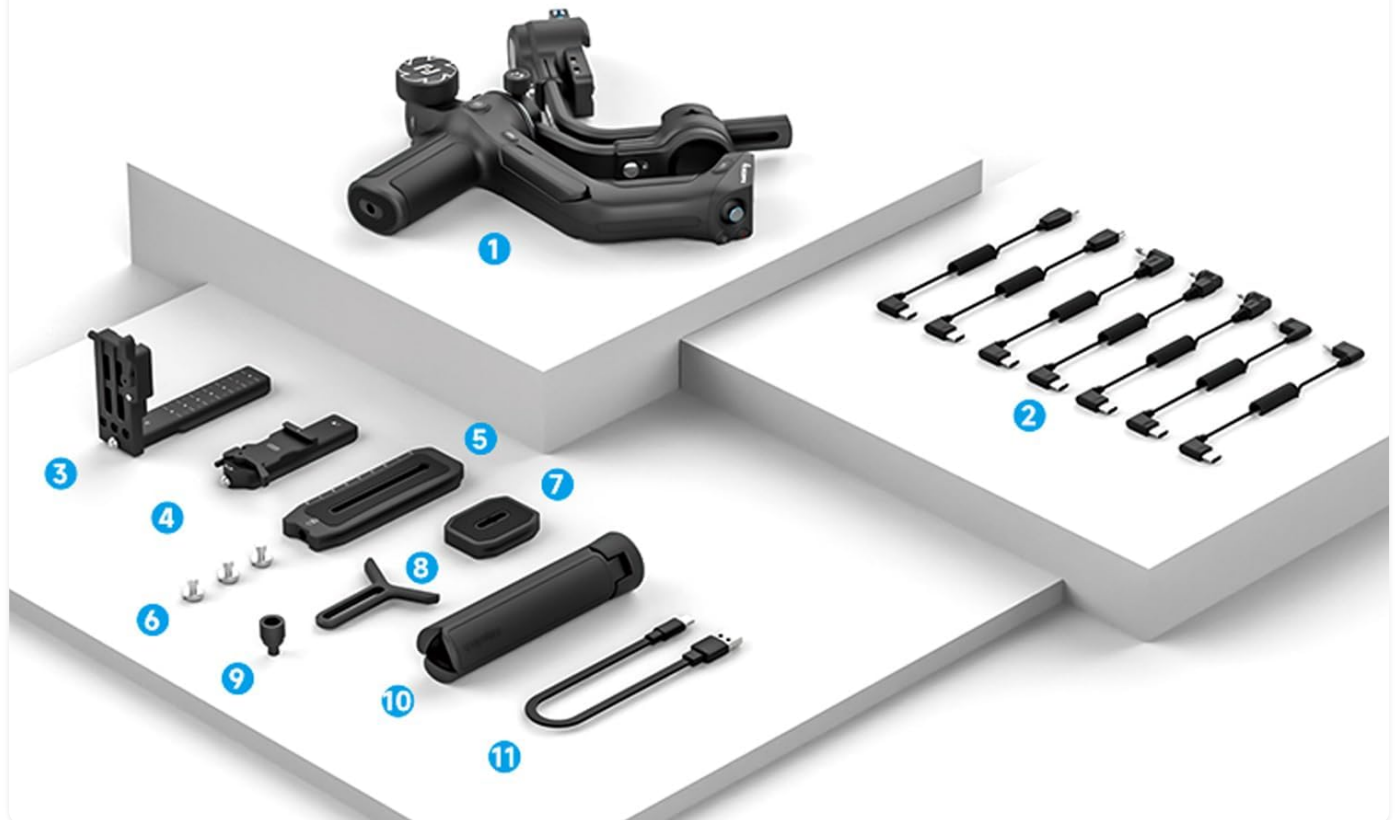


Figure 1: All components included in the FeiyuTech SCORP 2 Gimbal package.

SETUP

Gimbal Balancing

Proper balancing is crucial for optimal gimbal performance and battery life. Follow these steps to balance your SCORP 2 gimbal:

- 1. Balance the Tilt axis up and down:** Unlock the Tilt axis motor lock. Hold the camera lens vertically upward and observe the tilt direction of the camera. If the camera lens tilts to one end, it means that the center of gravity is biased toward that end. Unlock the sliding arm fixed lock. Move the sliding arm in the opposite direction of the tilt until the camera can maintain balance when you let go. At this point, lock the sliding arm fixed lock.
- 2. Balance the Tilt axis front and rear:** Keep the camera lens facing forward horizontally. Observe the camera's tilt direction. If the camera lens is tilted to one end, it means that the center of gravity is biased toward that end. Unlock the quick release fixed lock at this time. Move the camera in the opposite direction of the tilt until the camera lens remains level and facing

forward. Once achieved, it indicates that the front and rear leveling of the pitch axis is completed. Lock the quick-release fixed lock.

3. **Balance the Roll axis:** Open the roll axis motor lock. Release the camera and observe its tilt direction. If the camera is tilted to one side, you need to loosen the cross arm fixing knob. Move the cross arm in the opposite direction of the tilt until it is level. Tighten the cross arm fixing knob.
4. **Balance the Pan axis:** Open the yaw axis motor lock. Turn the camera sideways. Hold the stabilizer handle and tilt the stabilizer forward. If the camera is tilted to one side, it means that the center of gravity is biased toward the inclined end. Loosen the vertical arm fixing knob. Move the vertical arm in the opposite direction of the tilt until it is level. Tighten the vertical arm fixing knob.

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Video 1: Detailed guide on how to balance the FeiyuTech SCORP 2 Gimbal for optimal performance.

Camera Horizontal Installation

Follow these steps for horizontal camera installation:

1. Before installing the camera, unfold the stabilizer to the balance lock state.
2. Unlock the roll axis and pan axis motor locks, unfold the axis arms, and then lock them.
3. Unlock the sliding arm lock. Pick up the slider.
4. Slide the slider into the pan axis chute in the direction shown in the video. Lock the sliding arm fixed lock.
5. Pick up the quick-release plate and Camera backing base combination with the camera fixing screws installed.
6. Install the quick-release plate into the 1/4 inch threaded hole on the bottom of the camera and use a hex wrench to tighten the camera fixing screw.
7. Install the lens holder on the front of the quick-release plate.
8. After unlocking the quick-release plate fixed lock, slide the quick-release plate into the slider as shown in the video. Lock the quick-release plate fixed lock at the same time.

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Video 2: Step-by-step instructions for horizontally installing your camera on the gimbal.

Camera Vertical Installation

The SCORP 2 features an upgraded quick-installation system for instant vertical filming. Follow these steps:

1. Unlock the sliding arm lock. Pick up the slider.
2. Slide the slider into the pan axis chute in the direction shown in the video. Lock the sliding arm fixed lock.
3. Pick up the quick-release plate and Camera backing base combination with the camera fixing screws installed.
4. Install the quick-release plate into the 1/4 inch threaded hole on the bottom of the camera and use a hex wrench to tighten the camera fixing screw.
5. Install the lens holder on the front of the quick-release plate.
6. Slide the quick-release plate into the slider as shown in the video. Lock the quick-release plate fixed lock at the same time.



Figure 2: The quick-release system allows for rapid transition to vertical shooting.

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Video 3: Guide for vertically installing your camera on the gimbal.

OPERATING

Built-in AI Tracking Sensor

The SCORP 2 features an integrated AI tracking module for intelligent shooting without additional accessories. Use simple gestures to control tracking and camera functions:

- Make an 'OK' gesture to enable subject tracking.
- Other gestures provide control over photography, video, and more.

Smart AI For Intelligent Tracking

The SCORP 2 features an integrated AI tracking module, enabling intelligent shooting without the need to install additional accessories.



Spread palm
Shutter



OK gesture
Start tracking/
Stop tracking



**Thumbs opposite
direction**
Stop tracking



**Double L-Shaped
Gestures**
Custom framing

Figure 3: The integrated AI tracking sensor allows for smart subject tracking and gesture control.

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Video 4: Demonstration of the built-in AI tracking feature.

1.3" Touchscreen & Multifunctional Control Knob

The gimbal features a 1.3-inch touchscreen for clear filming status and parameter settings. The multi-function knob provides precise control over axis rotation and electronic zoom.

Quick-Release Design for Instant Vertical Filming Setup

The quick-installation system has been fully upgraded, featuring new generation L-shaped mounting plates with a new anti-off quick-release slider. The slider can be directly installed on the vertical arm of the camera body to quickly shoot vertically.



Figure 4: The intuitive touchscreen and control knob simplify operation.

Wireless/Cable Control

Connect the gimbal to your camera via control cable or wirelessly via Bluetooth. This allows you to trigger focus by lightly pressing the shutter button, enhancing control over photo and video capture.

App Connectivity

Connect to the Feiyu SCORP App to unlock professional settings, including parameter adjustment and somatosensory remote control. The app enables your mobile phone's gravity sensor to control lens direction, offering an immersive and interactive experience.



Figure 5: The Feiyu SCORP App provides advanced control and customization options.

MAINTENANCE

- Keep the gimbal clean and free from dust and debris. Use a soft, dry cloth for cleaning.
- Avoid exposing the gimbal to extreme temperatures or moisture.
- Store the gimbal in its original packaging or a protective case when not in use to prevent damage.
- Regularly check all screws and connections to ensure they are secure.
- Ensure the gimbal is properly balanced before each use to prevent motor strain and optimize battery life.

TROUBLESHOOTING

If you encounter issues with your FeiyuTech SCORP 2 Gimbal, refer to the following common solutions:

- Gimbal not powering on:** Ensure the battery is fully charged. Connect the gimbal to a power source using the provided USB-C cable.
- Gimbal motors vibrating or unstable:** Verify that the camera is correctly balanced on all three axes. Refer to the "Gimbal Balancing" section for detailed instructions.
- Camera not responding to controls:** Check the camera control cable connection or Bluetooth pairing. Ensure your camera model is compatible with the gimbal's control functions.
- AI tracking not working:** Ensure the AI tracking module is enabled via the touchscreen or app. Make sure there is sufficient lighting and clear visibility of the subject for accurate tracking.
- App connectivity issues:** Restart the Feiyu SCORP App and the gimbal. Ensure Bluetooth is enabled on your mobile device.

For further assistance, please consult the official FeiyuTech support resources.

SPECIFICATIONS

Product Dimensions	9.84 x 11.81 x 5.91 inches (Folded Size: 10.16 inches (l) x 2.79 inches (w) x 9.84 inches (h))
Item Weight	2.36 pounds (1070 Grams)
Maximum Weight Recommendation	2.5 kg (2500 Grams)
Batteries	2 Lithium Ion batteries (included)
Color	Black
Compatible Devices	Camera (DSLR and Mirrorless)
Manufacturer	FeiyuTech
Country of Origin	China
Date First Available	November 23, 2023

WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the official FeiyuTech website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question