

FeiyuTech SCORP Mini 3 Pro Kit

FeiyuTech SCORP Mini 3 Pro Kit 3-Axis Camera Stabilizer Instruction Manual

Model: SCORP Mini 3 Pro Kit

INTRODUCTION

The FeiyuTech SCORP Mini 3 Pro Kit is a versatile 3-axis camera stabilizer designed for a wide range of devices, including mirrorless cameras, compact cameras, action cameras, and smartphones. It features advanced AI tracking, a detachable handle for flexible shooting, a 1.3-inch HD touchscreen for real-time monitoring, and a robust 2KG (4.4lb) payload capacity. This manual provides detailed instructions for setting up, operating, and maintaining your SCORP Mini 3 Pro Kit to ensure optimal performance.

WHAT'S IN THE BOX

The FeiyuTech SCORP Mini 3 Pro Kit includes the following components:

- Main body (Gimbal)
- USB-C to charging cable
- USB-C to Type-C camera control cable
- USB-C to Lightning charging cable
- Long thumb screw
- GoPro adapter
- Camera fixed screw
- Lens holder screw
- Tripod
- Slider
- Fixed plate
- Dust cover
- Quick release plate
- Hex key
- Lens holder

- Smartphone holder with cooling fan
- Storage bag/Case
- Articulating arm
- Fill light
- Extension rod (Reach Pole C275)



Figure 1: All components included in the FeiyuTech SCORP Mini 3 Pro Kit, neatly arranged in its carrying case.

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Video 1: An unboxing video showcasing the contents of the FeiyuTech SCORP Mini 3 Pro Kit, including the gimbal, accessories, and carrying case.

SETUP

1. Gimbal Overview and Initial Assembly

Familiarize yourself with the main body of the gimbal. The detachable handle can be removed for remote control or different grip configurations. The gimbal features a 1.3-inch HD touchscreen for settings and monitoring, a joystick for control, and a focus/zoom wheel.

1.3-inch Touchscreen



Detachable Grip Handle

Freedom of creation thanks to the integrated grip handle and the detachable control handle.



Quick Release System 3.0

Instantly switch between horizontal and vertical shooting.



Bluetooth Control Camera

Easy control for both wired and Bluetooth connections.



Figure 2: The FeiyuTech SCORP Mini 3 Pro Gimbal showcasing its integrated touchscreen and control layout.

2. Attaching the Camera/Device

The SCORP Mini 3 Pro supports mirrorless cameras, compact cameras, action cameras, and smartphones. Use the appropriate quick-release plate and adapter for your device. For smartphones, utilize the provided holder with the built-in cooling fan to prevent overheating during extended use.

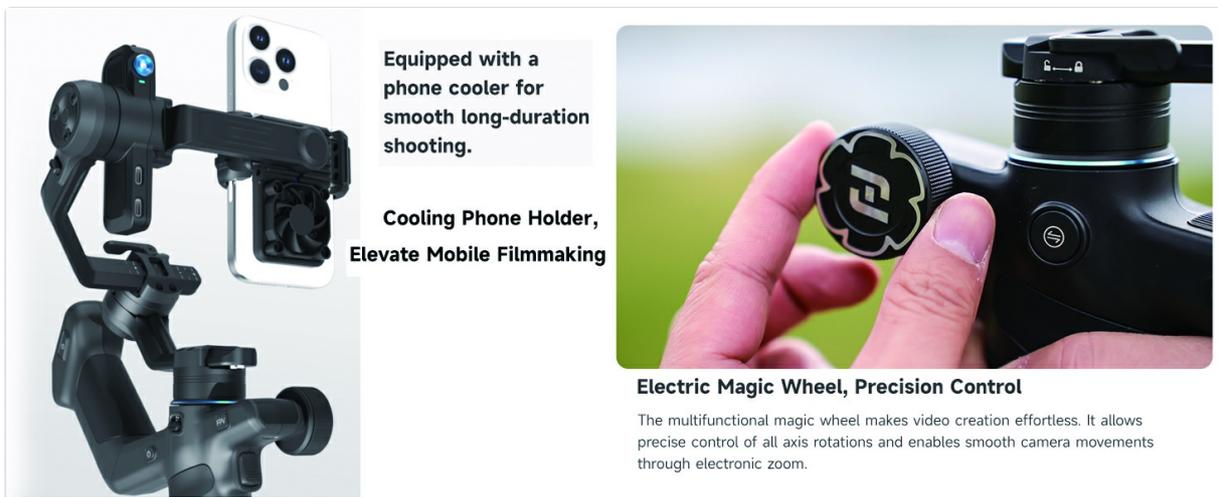


Figure 3: The gimbal demonstrating its versatile compatibility with mirrorless cameras, smartphones, compact cameras, and action cameras.

3. Balancing the Camera

Proper balancing is crucial for optimal gimbal performance and to prevent motor strain. Follow these steps for each axis:

1. Tilt Axis Balancing:

- Unlock the tilt axis motor lock.
- Point the camera lens straight up. Release your hands and observe the direction it tilts.
- If the lens drops forward, the lens front is too heavy. Unlock the tilt axis arm lock and shift the camera backward until it stays pointing straight up when released.
- If the lens drops backward, the camera body is too heavy. Unlock the tilt axis arm lock and shift the camera forward until it stays pointing straight up when released.
- Once balanced, lock the tilt axis motor lock.

2. Roll Axis Balancing:

- Unlock the roll axis motor lock.
- Face the camera forward. Release and observe which way it leans.
- If the camera drops to the left, the left side is too heavy. Unlock the quick release plate lock and move the camera to the right until it stays balanced when you let go.
- If the camera drops to the right, the right side is too heavy. Unlock the quick release plate lock and move the camera to the left until it stays balanced when you let go.
- Once balanced, lock the quick release plate in place.

3. Pan Axis Balancing:

- Unlock the pan axis motor lock.
- Rotate the pan axis to one side and tilt the stabilizer forward. Check how the camera rotates.
- If the camera rotates to the left, the left side is too heavy. Unlock the pan axis arm lock and move the arm to the right until it stays balanced when you let go.
- If the camera rotates to the right, the right side is too heavy. Unlock the pan axis arm lock and move the arm to the left until it stays balanced when you let go.
- Once balanced, lock the pan axis motor lock.

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Video 2: Detailed guide on balancing your camera on the FeiyuTech SCORP Mini 3 Pro gimbal for optimal stability and

performance.

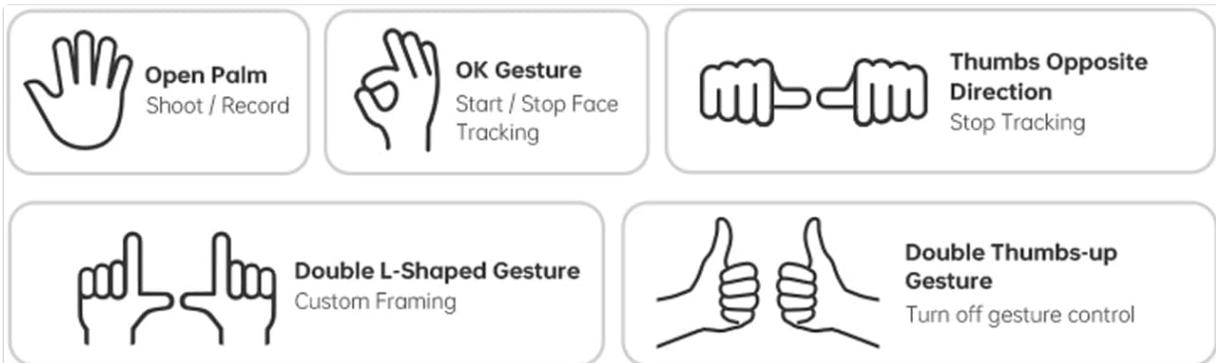
OPERATING INSTRUCTIONS

1. Power On/Off

To power on the gimbal, press and hold the power button until the screen illuminates. To power off, press and hold the power button again until the screen shuts down.

2. Modes and Controls

The 1.3-inch HD touchscreen allows you to monitor shooting status and adjust parameters in real-time. Use the joystick for precise control over gimbal movement and the Magic Wheel for ultimate precision control over gimbal axis rotation and camera electronic zoom.



You can easily use different gestures to start tracking, switch vertical shooting. Be your personal AI filmmaker.



Figure 4: The 1.3-inch HD touchscreen displaying various modes and settings for the gimbal.

3. AI Tracking 4.0 and Gesture Control

The built-in AI Tracking 4.0 offers ultra-fast response and 360° unlimited follow. Use gesture control for hands-free operation:

- **"OK" gesture:** Start/stop tracking.
- **Double "L" gesture:** Open/lock custom composition.
- **Open Palm:** Shoot/Record.
- **Thumbs Opposite Direction:** Stop Tracking.
- **Double Thumbs-up Gesture:** Turn off gesture control.



Figure 5: Visual guide to various hand gestures for controlling the AI tracking feature of the gimbal.

4. Connectivity

Wirelessly control your cameras via Bluetooth or use the included USB cables for instant compatibility with DSLR, mirrorless, and action cameras. The detachable handle can also function as a fully wireless remote for shutter, zoom, and tracking.

5. Vertical/Horizontal Switching

The 3-Axis Lever Lock system allows for rapid switching between portrait and landscape orientations without the need for rebalancing.

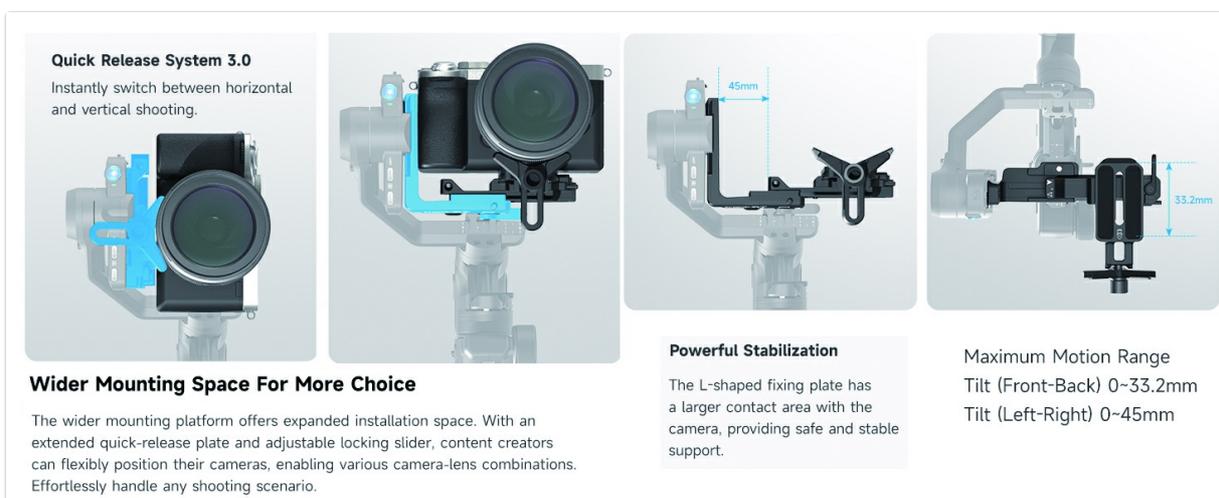


Figure 6: The quick release system 3.0 enables instant switching between horizontal and vertical shooting modes.

MAINTENANCE

- **Cleaning:** Use a soft, dry cloth to clean the gimbal. Avoid using harsh chemicals or abrasive

materials.

- **Storage:** Store the gimbal in its dedicated carrying case in a cool, dry place when not in use. Ensure all axes are locked to prevent damage.
- **Battery Charging:** The gimbal features a 14-hour battery life and supports 3-hour fast charging via USB-C. Use the provided charging cable.
- **Firmware Updates:** Regularly check the FeiyuTech official website or app for firmware updates to ensure optimal performance and access to new features.

TROUBLESHOOTING

- **Gimbal Vibration Detected:** If the gimbal displays a "Gimbal vibration detected" message, ensure the camera is properly balanced on all three axes. Re-balance the camera if necessary.
- **Motor Overload:** If motors appear strained or the gimbal is not responding smoothly, check the camera's weight to ensure it is within the 2KG (4.4lb) payload limit. Re-balance the camera and perform motor auto-tuning via the touchscreen or app.
- **Connectivity Issues:** Ensure Bluetooth is enabled on your camera/smartphone and the gimbal. For wired connections, verify the correct USB cable is used and securely connected.
- **AI Tracking Malfunction:** Ensure the AI vision sensor is clear and unobstructed. Check lighting conditions and ensure the subject has sufficient contrast for effective tracking.

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Video 7: Demonstration of the gimbal's response to an overload protection error, highlighting the importance of proper balancing.

SPECIFICATIONS

Feature	Detail
Product Dimensions	7.87 x 6.69 x 11.81 inches (Folded: 20x17x30cm)
Item Weight	4.4 pounds (2 Kilograms)
Payload Capacity	Up to 2KG (4.4lb)
Battery Life	14 hours (3-hour fast charging)
Display	1.3-inch HD Touchscreen
Tracking	Built-in AI Tracking 4.0 with Gesture Control
Compatibility	Mirrorless, Compact, Action Cameras, Smartphones
Color	Black

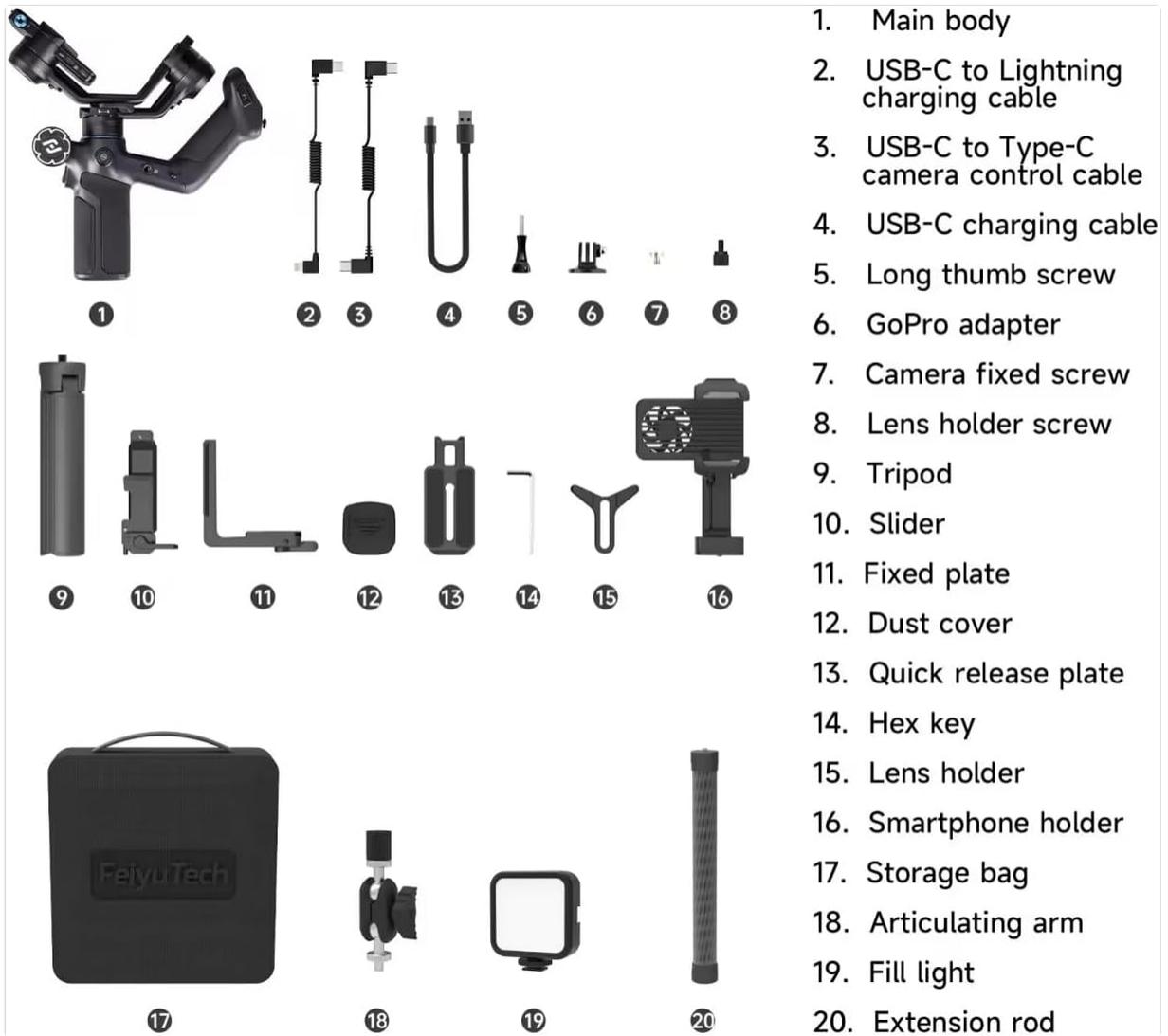


Figure 7: Key features of the FeiyuTech SCORP Mini 3 Pro Kit, including payload capacity, battery life, and AI tracking capabilities.

WARRANTY AND SUPPORT

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

Official FeiyuTech Website: www.feiyu-tech.com