Shark Slider

nano II

NanoII-460 / 660
User Manual
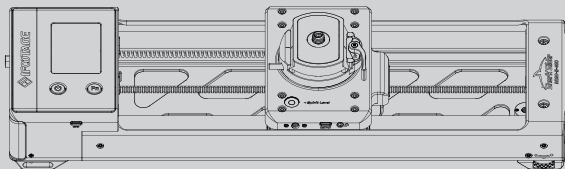
IFOOTAGE

Thank you for choosing iFootage. This manual contains important user information for the Shark Slider Nano II-460 / 660. We recommend reading it carefully before using the equipment and keeping it in a safe place for future reference.
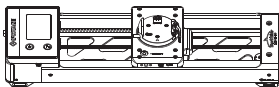
The Shark Slider Nano II 460/660 is your go-to tool for portable and flexible photography. It seamlessly integrates with DJI gimbals for multi-axis coordination and offers five easy-to-switch shooting modes to fuel your creativity. The app and IPS touchscreen make multi-point settings a breeze. With features like power-off memory, target tracking, and stabilization, you'll capture steady footage every time. Its ultra-quiet design ensures a noise-free experience, and with PD3.0 fast charging, you'll enjoy long-lasting performance—perfect for professional photographers and videographers on the go!

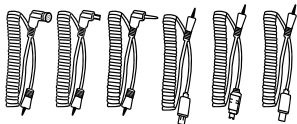# Contents

List of Items

Nano II * 1 pcs

Quick Release Plate * 1 pcs

Phone Holder * 1 pcs

Shutter Cable * 6 pcs
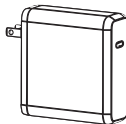
PD 60W Charger * 1 pcs

USB-C Cable * 1 pcs

Carry Bag * 1 pcs

Custom RS Adapter * 1pcs

Custom Magnetic Cable * 1 pcs

Manual * 1 pcs

Warranty Card * 1 pcs

Product Certification * 1 pcs

Hex Wrench * 1 pcs

Note: The images in this manual serve as a general guide. Please be aware that the Nano II may have undergone updates and improvements since the manual was printed. In the event of any differences between the manual's images and your actual product, please refer to the physical item itself.

Technical Information

Model	Nano II-460	Nano II-660
Track Dimension	463.5*133*99mm	663.5*133*99mm
Usable Length	233mm	433mm
Table Horizontal Payload	7kg	7kg
Vertical Payload	3.5kg	3.5kg
Input Power	PD 60W	PD 60W
Operating Temperature	-25℃ -+ 65℃	-25℃ -+ 65℃
Weight	2.8KG	3.1KG
Material	Aluminum Alloy + Carbon Fiber	Aluminum Alloy + Carbon Fiber
Pan Axis Accuracy	360° No restrictions	360° No restrictions
Slide Axis Accuracy	1μm	1μm
Pan Axis Fastest Speed	180°/S	180°/S
Slide Axis Fastest Speed	140mm/S	140mm/S
Pan Axis Slowest Speed	0.1°/S	0.1°/S
Slide Axis Slowest Speed	1μm/S	1μm/S

⚠ Note: Please read the following information:

1. Whilst every care has been taken to ensure that this manual supports the product and our customers, some ambiguity or description omissions may exist. We always welcome customer feedback on how we can improve the product manual.
2. Please note that customers who have purchased the following will need to download the iFootage Moco App which currently supports iPhone iOS 12 or above and Android 8.0 or above.
3. In order to operate the Nano II via the iFootage Moco App please follow the download instructions below: iOS users: search "iFootage Moco" / "iFootage" in the Apple App Store and then download, or scan the QR code to download.
   Android users: search "iFootage Moco" / "iFootage" in the Andriod App Store and then download, or scan the QR code to download.
4. Please check all components and packaging for any damage. In the case of missing or defective parts, please contact your distributor as soon as possible.
5. For Shark Slider Nano II first time use, please read the 'precautions' section.
6. Before using Nano II, please power it with the designated charger and ensure you operate within the specified voltage, current, and temperature ranges.
7. The cameras, gimbals, tripods, phones, horizontal/vertical quick release plate, batteries, gimbals, magic arms, support rod, battery grip, and other non-standard accessories mentioned in this manual are for reference only.
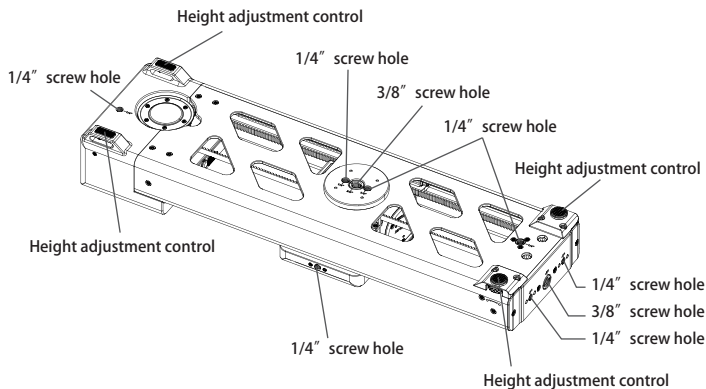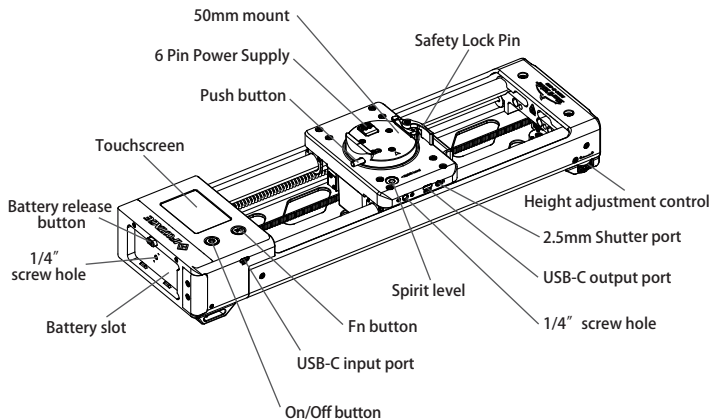
Precautions

1. Prior to opening the App please ensure that your Smartphone's Bluetooth is activated. If using an Android device please ensure that the Smartphone's GPS is activated.

2. In order to avoid equipment failure, please do not expose this product to moisture or use in wet or rainy, sandy or dusty environments.

3. Do not use this motion control unit in environments above 65°C and below -25°C degrees.

4. Any disassembly or modification without authorization or improper use of the equipment may result in damage and affect the warranty.

5. Keep this product and its parts out of the reach of children and animals.

6. The Nano II requires a battery or PD power supply with a 60W output capability.

7. Once activated,the Nano II automatically moves to the initial status/zero point. Please ensure that the track is clear of obstacles prior to starting. It is recommended that users keep their hands clear of the tracks to avoid damage or injury.

8. Before using the Nano II with DJI, ensure the gimbal is balanced. Severe imbalance may cause the device to overheat and go into hibernation.

9. Use auto tune after balancing the camera, changing the lens focal length, or if the gimbal shakes after changes lenses.

10. To use the gesture control point setting point setting feature with Nano II and DJI, both the DJI manual adjustment and PTF modes must be enabled.

11. When using the target tracking feature, make sure to activate the camera shooting mode before turning on the tracking function.

12. For the target tracking function, the phone camera must face the same direction as the camera; otherwise, it will be tracked in the opposite direction.

13. When using the longer version (Nano II-660) with a load of 7 kg, it should be placed on a table or flat surface. If using it on a tripod, additional support rods are required to ensure stability.

Features

1. Seamless Multi-Axis Coordination: The Nano II works seamlessly with DJI gimbals through the custom RS Adapter achieving outstanding multi-axis movement with no delay.

2. Multi-Point Setup: Using the app or IPS touchscreen, you can set up to 8 points simultaneously, each with different parameters, allowing for flexible and diverse shooting.

3. Power Cut-off Protection: The device features a powerful memory function that quickly restores settings after a power interruption—just click to confirm.

4. Target Tracking: With advanced AI algorithms, simply select a target for precise recognition and tracking, supporting both face and object tracking for comprehensive smart following.

5. Stability Improvement: Combining new stabilization technology with intelligent shake compensation algorithms, it autonomously detects and cancels out vibrations, ensuring stability with both telephoto and macro lenses.

6. Ultra-Quiet Operation: Equipped with a high-quality brushless motor, it runs silently, making it ideal for interviews without motor noise interference, reducing the need for audio post-processing.

7. Five Shooting Modes: Easily switch between time-lapse, stop-motion, video recording, macro mode, and panorama mode.

8. Built-In IPS Touchscreen: The device features a high-brightness IPS touchscreen for independent control.

9. USB-C Charging Port: Compatible with PD 3.0, the 60W charger ensures efficient power transfer, allowing direct powering of the device without extra batteries.Pan Axis Gimbal Base: Designed with a 6-pin power and communication interface, it pairs perfectly with the custom RS Adapter or future iFootage motion axes without extra cables.

10. Pan Axis Gimbal Base: Designed with a 6-pin power and communication interface, it pairs perfectly with the custom RS Adapter or future iFootage motion axes without extra cables.

11. Quick Release Plate: Includes a quick release plate with 1/4″ and 3/8″ screws, compatible with various gimbals and phone holders.

12. 50mm Quick Release Slot: The slider's pan axis features a 50mm quick-release slot, widely compatible with quick-release accessories.

13. Dust-Resistant Design: The carbon tube design effectively prevents dust, ensuring smooth sliding and extending the device's lifespan.

14. Bluetooth BLE 5.0 Connection: Connect the Nano II via the mobile app without needing extra controllers, making shooting easier, more flexible, and quicker.

Parts Names

50mm mount

Safety Lock Pin

6 Pin Power Supply

Push button

Touchscreen

Battery release button

Height adjustment control

1/4″ screw hole

2.5mm Shutter port

USB-C output port

Battery slot

Spirit level

1/4″ screw hole

Fn button

USB-C input port

On/Off button

Height adjustment control

1/4″ screw hole

1/4″ screw hole

3/8″ screw hole

1/4″ screw hole

Height adjustment control

Height adjustment control

1/4″ screw hole

1/4″ screw hole

3/8″ screw hole

1/4″ screw hole

Height adjustment control

Power Supply

■ Multiple Power Options for Indoor and Outdoor —All-in-One Solution

1. USB-C Charging Port: The device features a USB-C charging port compatible with PD3.0. It comes with a standard 60W charger, allowing you to use the device while charging without needing to insert a battery.
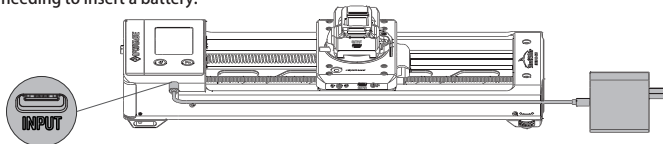
INPUT

USB-C input port

2. Outdoor Power Supply: For outdoor shooting, pair it with the PD140H battery grip for worry-free power supply.
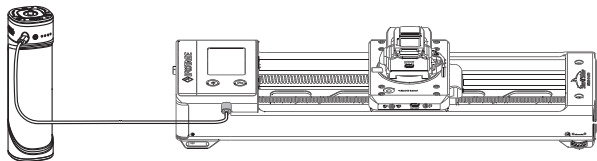
3. Support for NP-F970 Batteries: The Nano II supports NP-F970 standard lithium batteries, ensuring continuous power for outdoor use.
Note: When connecting to the RS gimbal, make sure the NP-F970 battery's power output is sufficient (at least 60W); otherwise, you may experience power loss.

① Battery Installation: To install the battery, place it in the slot and push forward until you hear a click.

② Battery Removal: To remove the battery, press the battery release button and push the battery in the direction of the arrow to detach it.

Battery release button

PUSH
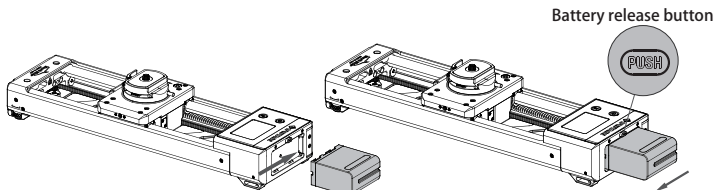
User Guide and Functions

■Notes

1. Check the tracks for debris before use.
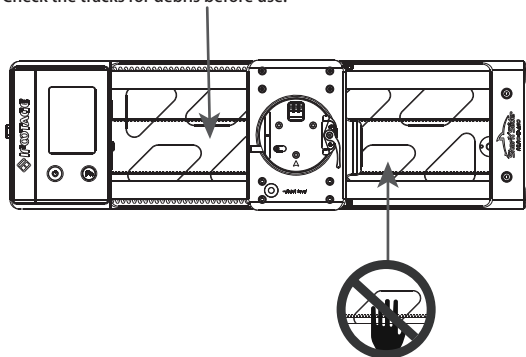
Keep hands away from the tracks and holes during operation to avoid injury.

2. Adjust the height adjustment control to level the device on uneven surfaces by moving the adjustment knob.
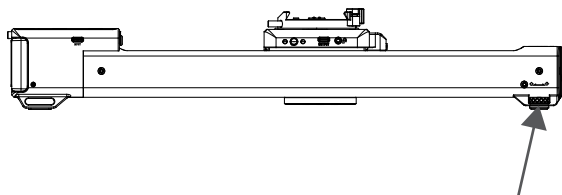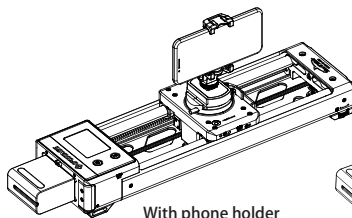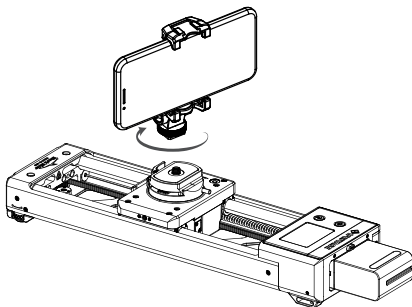

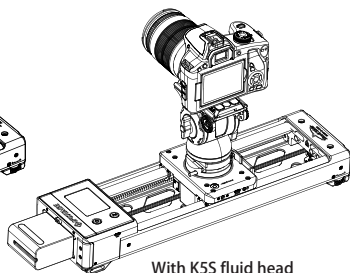**Adjust the height adjustment control by moving the knob left or right.**

User Guide and Functions

■ Attach Phone Holder / Fluid Head to Nano II

The Pan axis slider has a quick-release plate with 1/4″ and 3/8″ screws, compatible with various phone holder and gimbals, offering flexibility for different devices.

With phone holder

With K5S fluid head

User Guide and Functions

■ Attach Horizontal & Vertical Conversion Plate to Nano II

① Unlock the "Buckle" on the Pan axis； ② Insert the HV-02 plate into the 50mm slot；
③ Lock the "Buckle" securely.
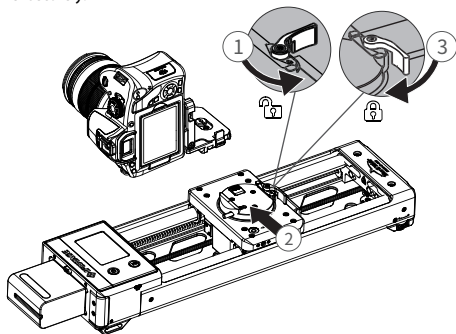
■ Remove Horizontal & Vertical Conversion Plate

① Unlock the "Buckle" on the Pan axis；

② Press the "push button" on the Pan axis and slide the HV-02 plate out.
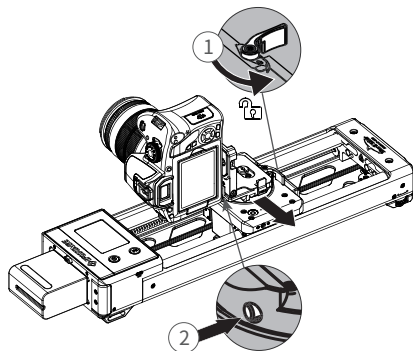
User Guide and Functions

■ Attach Gimbal to Nano II

The Nano II Pan-axis base uses a 6-pin power and communication design, perfectly pairing with the iFootage custom RS Adapter or the iFootage Future motion axis. The Nano II collaborates with DJI gimbals for seamless multi-axis coordination.
Compatible with: DJI RS2, RS3 Pro, RS4, RS4 Pro (Note: Use a battery with 60W output or PD power supply)

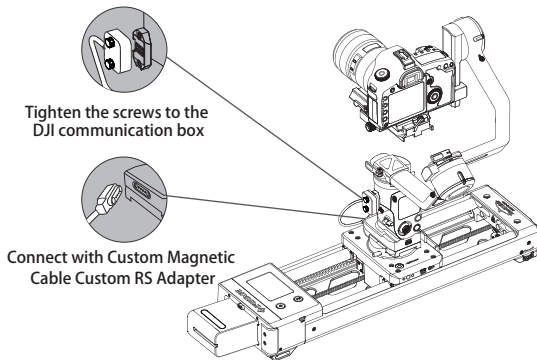①Place the "custom RS Adapter " into the 50mm slot on the Pan axis and lock the buckle.

Must use "custom RS Adapter " to connect and operate smoothly with DJI devices.

6 pin power supply
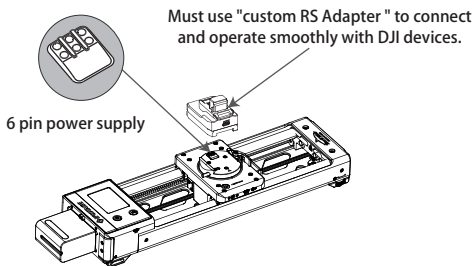
② Align the gimbal's mounting point with the custom RS Adapter and press down until you hear a click to secure it.

To prevent loosening, manually tighten the gimbal's Press down the gimbal onto locking knob.

Press down the gimbal onto custom RS Adapter to engage the automatic lock.
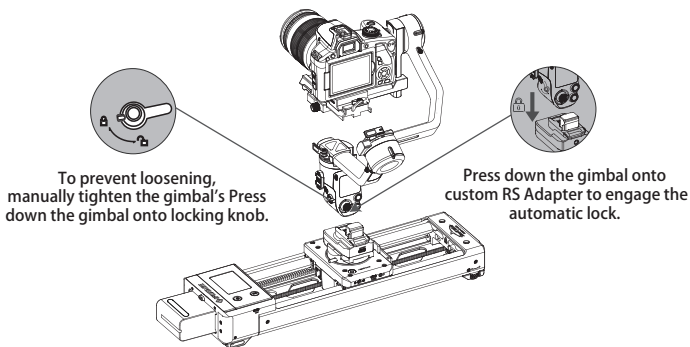
User Guide and Functions

③ Connect the "Custom RS Adapter " to the "RSA communication port" with the provided iFootage custom Magnetic Cable.

Tighten the screws to the DJI communication box

Connect with Custom Magnetic Cable Custom RS Adapter

■ Dismount Gimbal

To remove the gimbal, hold the lever in the unlocked position, press and hold the safety button and then pull the gimbal away from the custom RS Adapter.

User Guide and Functions
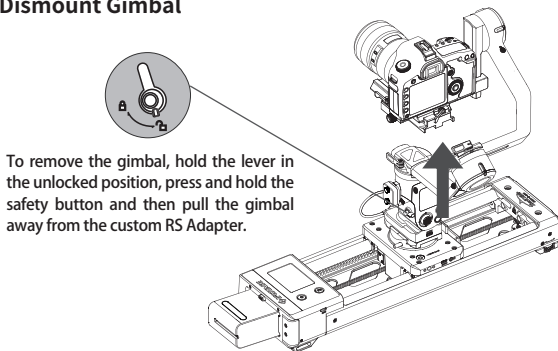
■ Balancing Gimbal

Notes: Before using the Nano II with DJI, ensure the gimbal is balanced. Severe imbalance may cause the device to overheat and go into hibernation.

1. Balance the Vertical Tilt

a. Unlock the tilt axis ① and loosen the mounting plate knob ②.
b. Rotate the tilt axis so that the camera lens is pointing upward. Check to make sure the camera is not top or bottom-heavy. If top-heavy, move the camera backward ③.
  If bottom-heavy, move the camera forward ④.
c. Tighten the mounting plate knob while holding the camera upward. The vertical tilt is balanced when the camera is steady while pointing upward.

Note：Take leveling DJI RS3 Pro as an example

User Guide and Functions
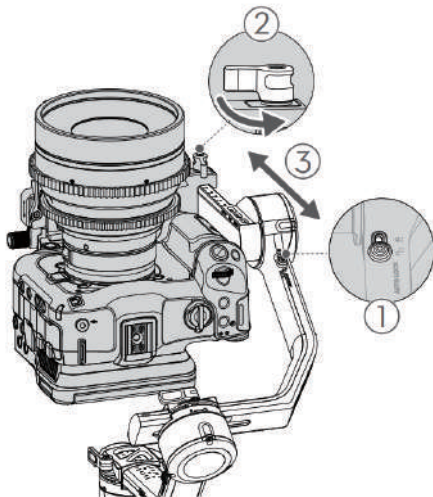
2. Balance Depth for the Tilt Axis

a. Rotate the tilt axis so that the camera lens is pointing forward. Toggle the lever to the unlocked position ①.
b. Check to make sure the camera is not front or back-heavy. If front-heavy, move the camera backward by turning the knob ②. If back-heavy. move the camera forward.
c. Toggle the lever to the locked position. The tilt axis is balanced when the camera is steady while tilted up or down by 45° .
d. Lock the tilt axis.

User Guide and Functions
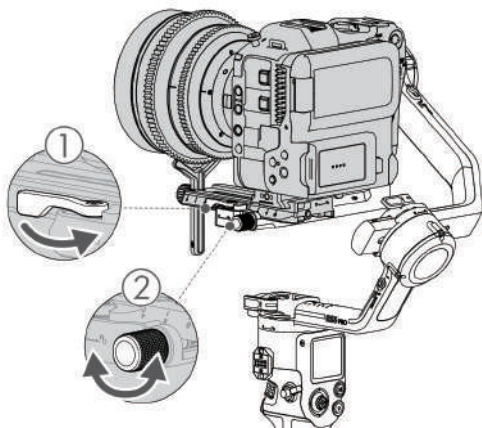
3. Balance the Roll Axis

a. Unlock the roll axis ①. Toggle the lever on the roll arm to the unlocked position ②.
b. Check the direction in which the roll motor swings. If the camera rotates to the left, move the camera to the right ③. If the camera rotates to the right, move the camera to the left ③.
c. Toggle the lever on the roll arm to the locked position. The roll axis is balanced when the camera is steady.
d. Lock the roll axis.
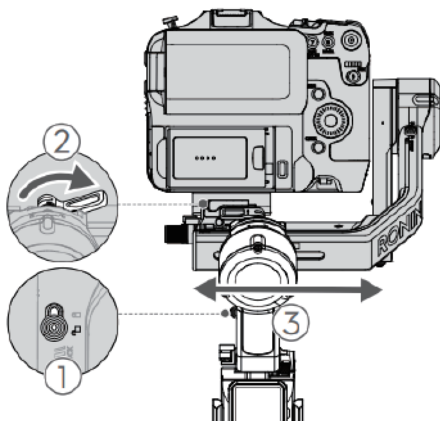
4. Balance the Pan Axis

a. Unlock the pan axis ①. Toggle the lever on the pan arm to the unlocked position ②.
b. While holding the grip, tilt DJI RS 3 Pro forward, and rotate the pan arm until parallel with you. Check the movement of the pan axis. if the camera lens rotates to the left, push the pan axis toBthe right ③. If the camera lens rotates to the right, push the pan axis to the left ③.
c. Toggle the lever on the pan arm to the locked position. The pan axis is balanced when the camera is steady when rotating the pan while tilting the grip.
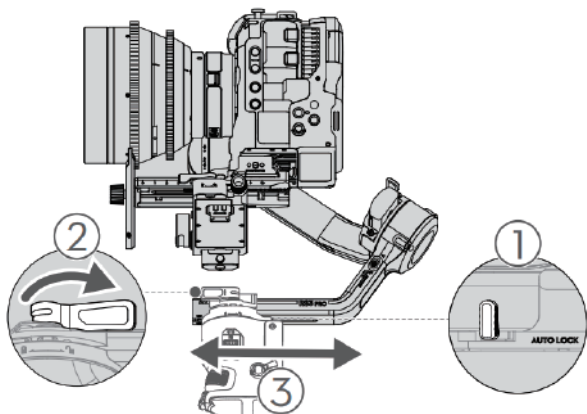
Balance Status: When the status bar shows green, this indicates the gimbal is balanced. lf the status bar shows yellow the gimbal is slightly unbalanced. The status bar shows red when the gimbal is critically unbalanced. In this case, re-balance the corresponding axis. To check the balance status of the pan axis, tilt the gimbal 15° left or right and check the status bar.

Auto Tune: Use auto tune after balancing the camera, changing the lens focal length, or if the gimbal shakes after changes lenses.

User Guide and Functions

■Enable DJI Push mode

(Note: To use the Nano II with DJI's gesture control point-setting feature, this must be activated.
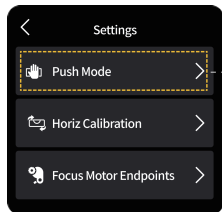Power on the DJI gimbal and enable DJI Push mode:

① Go to the homepage. Click on ''Settings'' to enter to the settings menu.

② Select ''Push mode'' to enter the interface. ③ Enable ''Pan'' and ''Tilt'' .

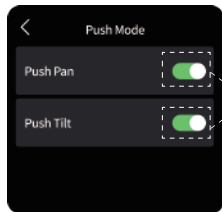④ Set the button to PTF mode (Using DJI RS3 Pro as an example).
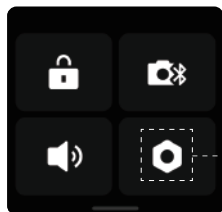
---- ① Click ''Settings''
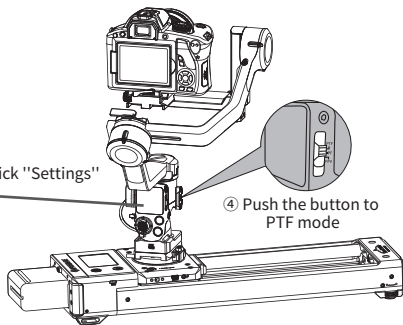
④ Push the button to PTF mode

Settings

🤚 Push Mode > ---- ② Select ''Push mode''

🪣 Horiz Calibration >

🎯 Focus Motor Endpoints >

Push Mode

Push Pan ⬤

Push Tilt ⬤ > ③ Enable ''Pan'' and ''Tilt''

User Guide and Functions

■ Multi-axis Coordination Description

The Nano II works seamlessly with DJI gimbal through the Custom RS Adapter, enabling delay-free multi-axis coordination. With a variety of modes including gesture control point setting, time-lapse, video recording, and stop-motion, it offers a fresh creative experience. The Nano II supports horizontal movement and 360° rotation, and when paired with DJI RS2, RS3 Pro, RS4, or RS4 Pro, it integrates with their existing tilt , roll, and pan axes for an unparalleled multi-axis shooting experience.

Tilt Axis: Controls up-and-down tilting motion.

Pan Axis: Controls left-and-right rotation.

Roll Axis: Controls left and-right tilting motion.

360° Pan Axis: Controls 360° rotation.

Slide Axis: Controls left-to-right horizontal movement.
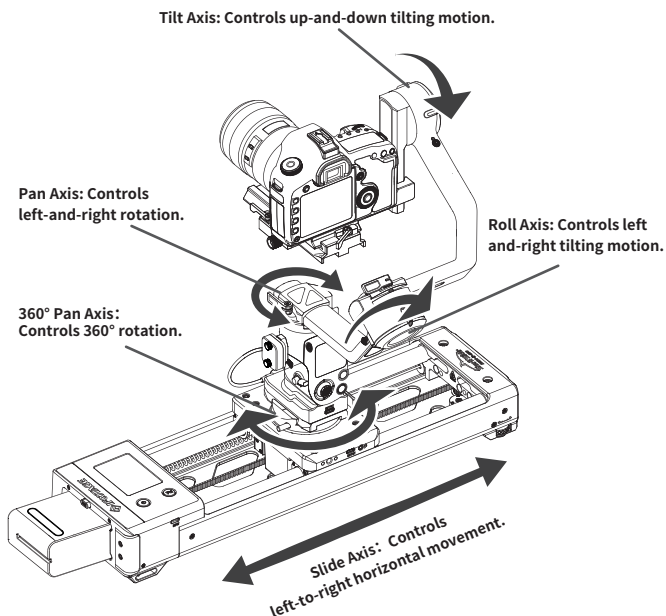
User Guide and Functions

■ **Target Tracking** （Please download the iFootage Moco App before using this mode.）

The Nano II 460/660 features advanced AI algorithms for precise target recognition and tracking, including face recognition and object tracking. When combined with DJI gimbals, it enables comprehensive smart following, ensuring clear and stable shots—ideal for live streaming, conferences, and speeches.

Note: For the target tracking function, the phone camera must face the same direction as the camera; otherwise, it will be tracked in the opposite direction.

① When using phone's front camera, ensure it aligns with the camera lens.
② When using phone's rear camera, it must face the same direction as the camera lens, while he screen faces the opposite direction.

Using Target Tracking
Attach the phone using the phone holder to the slot on top of the camera for tracking.
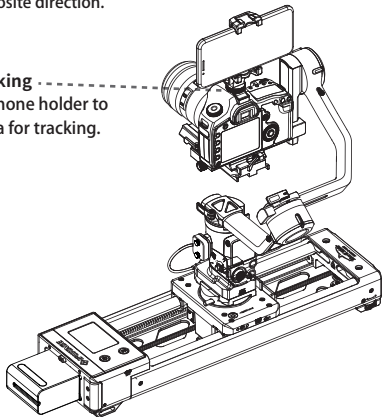
In the app's video mode, select target tracking, which has two modes:

Fixed Point Tracking:
The slider axis remains stationary while the lens follows the moving object.

Moving Tracking:
The slider axis can move based on set points, allowing the lens to follow the object.

Operating Description

■ Start up / Shut down

1. To start up, please press and hold the "On/off" for 3 seconds until the boot animation appears. Select your language during the first startup, then you'll be taken to the homepage.

To start up, please press and hold the "On/off" for 3 seconds until the boot animation appears.

❸

English

简体中文

❹

📷 ✶ 100%▯
Home

| VIDEO | TIME-LAPSE |
| STOP MOTION | MACRO MODE |
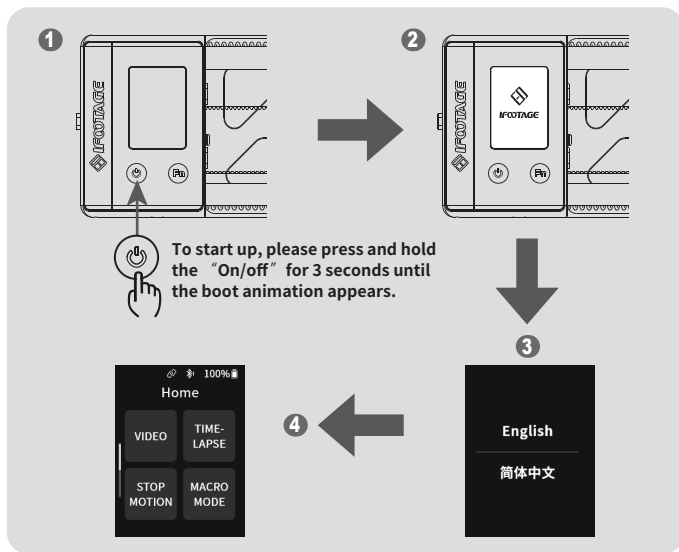
2. Shut down: Press and hold the On/Off switch for 3 seconds to turn off the screen.

APP download:
Scan the QR code or search iFootage Moco directly.
Please visit www.ifootagegear.com for more information.

Download on the App Store

GET IT ON android

Google Play

iFootage Moco APP

Nano -II Touchscreen User Guide

Operating Description

■ Gesture Control

Unlock | Lock

Home | 100%

VIDEO | TIME-LAPSE

STOP MOTION | MACRO MODE
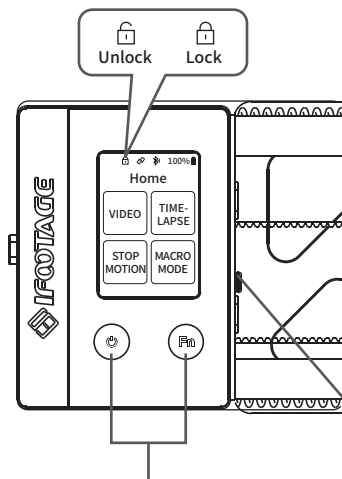
Press both buttons at the same time

⚠ Note: Do not press this button during operation or initialization.

Unlock: Press the On/Off and Fn button at the same time to initiate quick start mode, allowing you to move the slider and set a point.
Note: Pressing the "ON/OFF" and "Fn" at the same time on any page will quickly jump to the current mode's setting points' page and unlock.

Lock: After unlocking, press the "ON/OFF" button to activate the "Lock" function, preventing the slider from being moved.

Setting Keypoints:
Unlock the slider, move the slider and pan axis to the desired position, then tap A on the screen to set the point. You can set up to 8 points (A to H). Tap any point to move the slider there.

Operating Description

■ Touchscreen Description

Lock — Connect with DJI gimbal — Bluetooth connect — Battery status

Unlock — Bluetooth disconnect
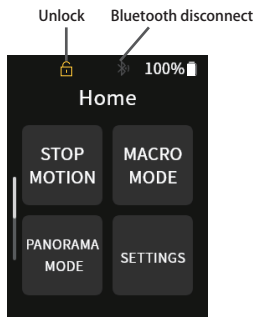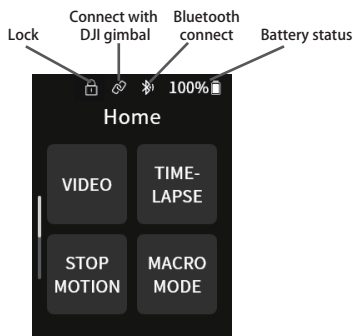
Deleting keypoints
Tap the ⊗ in the top-left corner of the keypoint interface to delete a point. Once a point is deleted, all points following it will also be removed.
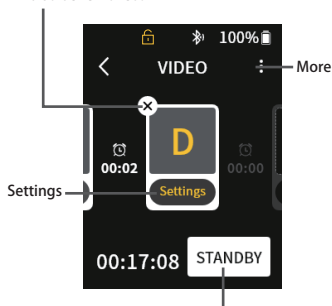
Settings

Back to Start Point: If the device isn't at the starting point, press "Standby" to return, then press "Start" again to operate.

Power Cut-Off Memory
The device features a power-off memory function that retains your position and settings even after a sudden power loss. When power is restored, simply tap the device to instantly recover all previous settings without reprogramming.

Would you like to restore the previous operation?

20%

Cancel   Confirm
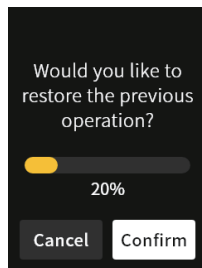
Mode Selection

1. Video Mode

On the homepage, select "Video " mode. Press "On/off" and ''Fn'' to set keypoints.
Tap "Settings" to access video parameters such as time and speed. Click the three dots icon next to "More" to set direction, loop and time-lapse. options like direction, looping, and shooting delay.
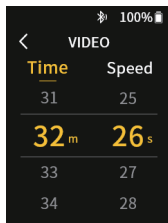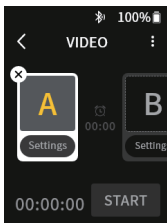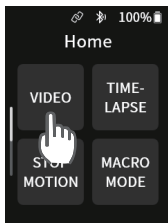
2. Time-Lapse

On the homepage, select "Time-Lapse" mode. Press "On/off" and "Fn" for setting keypoints.
Tap "Settings" to set frame interval, output time, and frame rate, with automatic saving when you return.
Click the three dots icon next to "More" to set direction, loop and time-lapse.
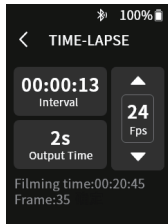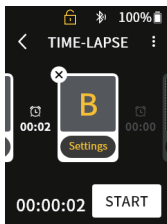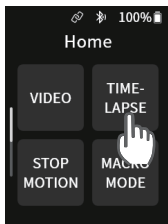
Mode Selection

3. Stop Motion

On the homepage, select "Stop Motion" mode. Press "On/off" and "Fn" for setting keypoints.
Tap "Settings" to set output time and frame rate, with automatic saving on return.
Click the three dots icon next to "More" to set direction, loop and time-lapse.
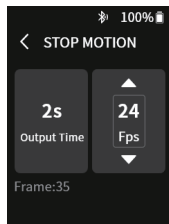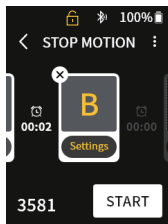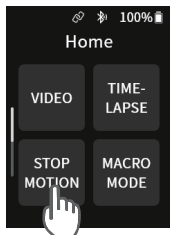

4. Macro Mode

On the homepage, select "Macro Mode." Press the "On/off" and "Fn" to set keypoints.
Tap "Fine Tune" to access the fine-tuning interface, where you can set the distance for each
adjustment. Tap "Settings" to enter the macro mode settings page, allowing you to set the
interval time and step size. Changes will be automatically saved when you return to the
previous page.
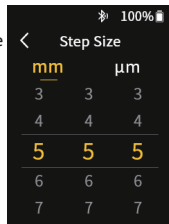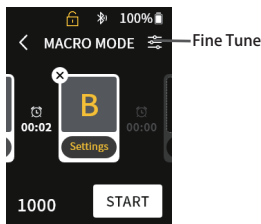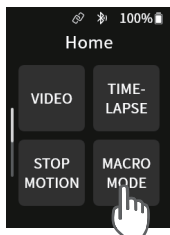
Mode Selection

5. Panorama Mode - Setting Keypoints

On the homepage, select "Panorama Mode". Press "On/off" and "Fn" for keyframes.
In the panorama point-setting page, set start and end positions.
Click "Three dots" to enter to the additional settings page, where you can adjust the direction or set the shooting delay time.
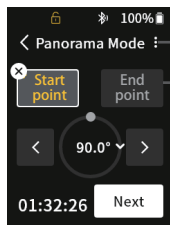

— More

Start/End Point: Select "Start Point," then single-tap or long-press "Forward" or "Backward" to adjust the starting point position. Select to "End Point" and follow the same process.

Note: If the angle exceeds 180 degrees, the camera will rotate in the opposite direction to prevent cable tangling but this does not affect the shooting path.

5.1 Panoramic Mode - Photo Shooting

After setting key points, click "Next" to enter the photo shooting mode by default. You can set the shooting interval degrees and choose between automatic or manual shooting.
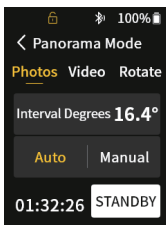
5.2 Panoramic Mode - Video

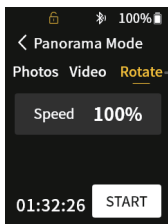After setting points, click "Next" and select "Video" to set the video shooting speed.
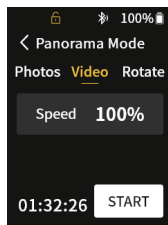
Mode Selection

5.3 Panoramic Mode - Rotation

In panorama mode, the "Rotate" feature allows for continuous rotation of the pan axis with adjustable speed.


In Panorama mode, click "Next" to start rotating. Remember to unplug the camera cable to prevent tangling.

After starting rotation, click the "Rotate" ⚙ to switch between clockwise and counterclockwise. Click "End" to stop rotating.
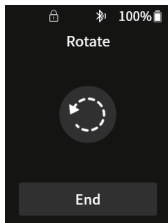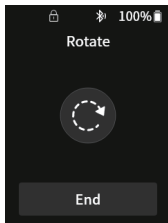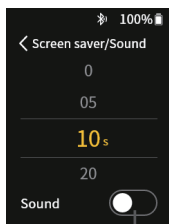
Settings Overview

Click "Settings" on the home page to enter the settings interface, which includes screen saver/sound, language switching, and viewing about the device and user guide QR code.
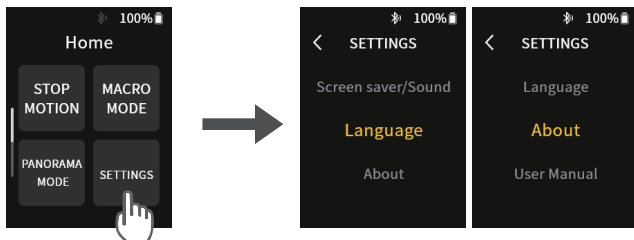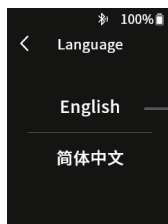

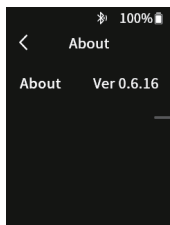## 1. Screen saver/ Sound Settings

To Turn Sound On/Off

2. Language switching (English/Chinese)

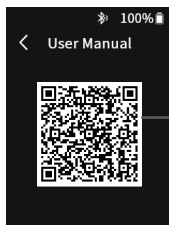Swipe up or down to switch between Chinese and English.

Settings Overview

3. About the device

4. User manual

|	100%			100%
‹ About			‹ User Manual	

About   Ver 0.6.16   Check Nano II Model#

Scan the QR code to view detailed introduction

Bluetooth Connectivity

■ Bluetooth Setup

1. Power On & Connect: Long press the power button on your Nano II. Enable Bluetooth on your phone and open the iFootage Moco app. Select the Nano II from the Bluetooth list. Once connected, you'll see the battery level and firmware version. Tap "Next" to complete the connection. If a firmware update is available, you can choose to update. Please wait patiently during the update process and avoid using the device to prevent issues.
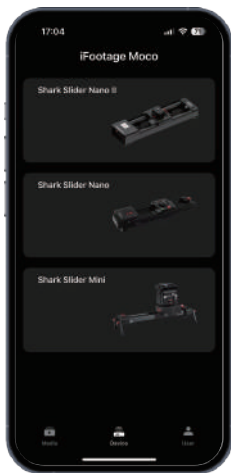
APP Interface
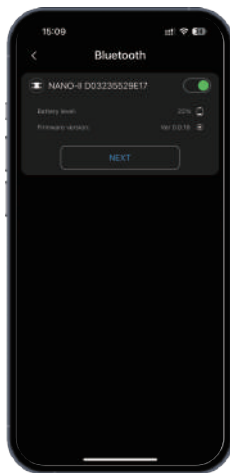
APP Interface

Notes:

1. Nano II uses Bluetooth BLE5.0. Ensure your phone's Bluetooth is enabled before connecting. For Android devices, location services must also be turned on.
2. The app supports iOS 12.0 + and Android 8.0 +.
3. Ensure stable voltage and current when updating firmware.

APP Introduction

■ Moco APP Download and Connection

"iFootage Moco" is a mobile app developed by iFootage International Co., Ltd., available on both iOS and Android platforms. This app allows users to control iFootage's photographic equipment and offers features such as time-lapse photography, video shooting, stop-motion animation, macro mode, and panoramic mode. For more information, visit www.ifootagegear.com
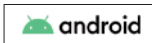

iFootage Moco
APP Download

Nano II
APP User Guide

Official Website

■ App Store
■ android
▶ Google play

■ Setting Multi-keypoints
Set up to eight customizable points through the app or touchscreen. Supports manual and joystick controls for precise adjustments, making complex shots easier.

■ Target Tracking
Utilize advanced AI for accurate target recognition and tracking, including face recognition and object tracking, combined with DJI gimbal for stable shots.

■ Five Shooting Modes
Choose from video recording, stop motion, time-lapse, macro, and panoramic modes. Different scenes and needs are covered, ensuring you can express your creativity effectively.

Application Scenarios
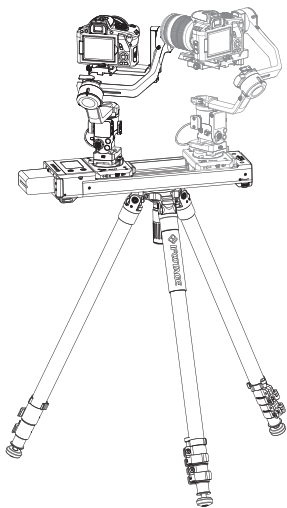
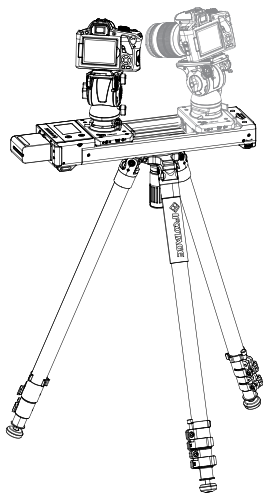## ■Use in horizontal position

When using the Nano II on the ground or on a table top please ensure tha the track is free from any obstacle prior to start up.
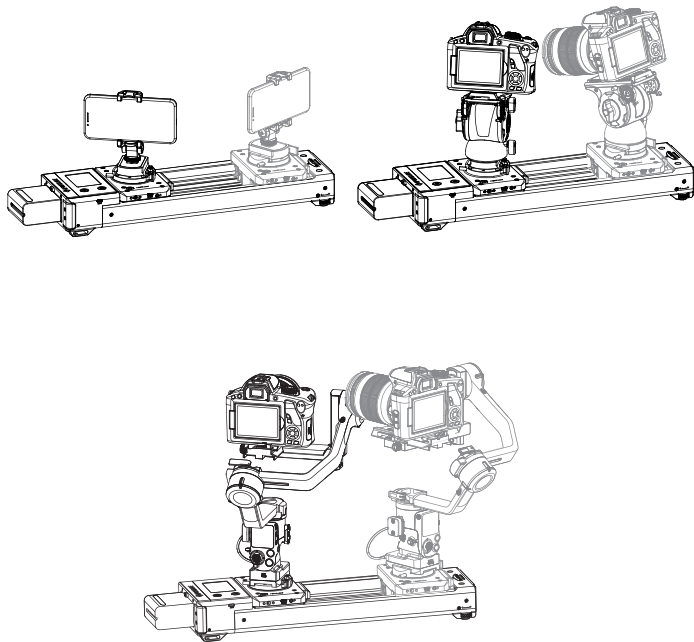
Application Scenarios

■Mounting the Nano II on a tripod

When using the Nano II slider on a tripod please ensure that the tripod legs are spread sufficiently to fully support the carriage and camera movement.
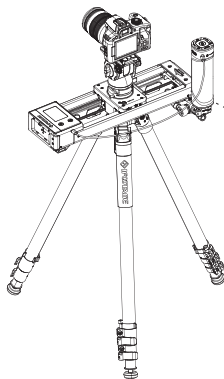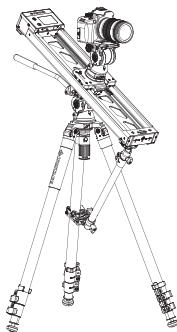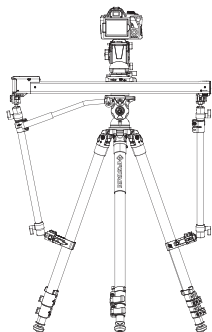
Application Scenarios

■ Horizontal/Vertical Shooting

The Nano II slider comes with 1/4″ screw holes at the base and ends, allowing for the attachment of accessories such as magic arms or support rods to ensure stability.
Note: For long version (Nano II - 660) , when the load reaches 7kg, the slider must be used on a table or flat surface. If using a tripod, additional support rods are required to ensure stability.
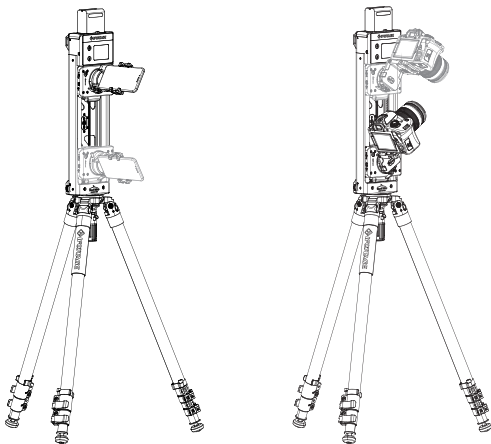
Use a magic arm to secure the PD140H battery grip on the tripod.

-32-

Application Scenarios

■Vertical Shooting with Tripod

For vertical shots, first mount the unloaded Nano II on the tripod. Once powered on and reset to initial status/zero point, attach the camera to ensure safe operation.

Maintenance

1. To prevent the accumulation of dust particles affecting the performance of the product, please carefully wipe the exterior of the product with a clean, soft, dry cloth at regular intervals.
2. This product and its included accessories are covered by a 1-year warranty from the original date of purchase.
3. Product damage or failure to operate caused by inappropriate or irregular operation is not covered by the warranty.
4. Unauthorized repair or attempting repair will make the warranty void and any authorised repair will then be subject to charges
5. If the product fails to function or is subjected to water or moisture please ensure it is professionally examined and repaired prior to using it.
6. Avoid using harsh chemicals, detergents, or liquids on this product.
7. In the unlikely event that the product is found to be faulty please contact our Customer Service team who will be happy to assist you: cs@ifootagegear.com.

Statement

iFootage reserves the right to modify or rectify all hardware and software specifications without prior notice. In case of any discrepancy between the instruction manual and the actual product, please refer to the product itself.

iFootage and its affiliates shall not be liable for any direct, indirect, punitive, incidental, special, consequential or property damage, or any harm to life resulting from the use or misuse of any iFootage product. The user assumes all risks associated with using this product, and this does not affect your legal rights.

iFootage Moco
APP Download

Official Website
QR Code

To download the iFootage Moco App, please scan the QR code or visit our website. For more information on operation modes please visit our website www.ifootagegear.com

Manufacturer's Information

IFOOTAGE

IFOOTAGE INTERNATIONAL (HK) LIMITED
UK Design & Made in China
Origin: China
Website: www.ifootagegear.com

FR + Matière éponge + Sacs en plastique
BAC DE TRI