

SMALLRIG 4184

SmallRig Handheld Camera Cage Kit User Manual

Model: 4184

Brand: SMALLRIG

1. INTRODUCTION

This manual provides comprehensive instructions for the assembly, operation, and maintenance of the SmallRig Handheld Camera Cage Kit, designed specifically for Sony FX30 and FX3 cameras. The kit includes a camera cage (Kit 4184) and a versatile Sling Handle for DJI RS 2, RSC 2, RS 3, RS 3 Pro, and RS 3 Mini gimbals. This kit enhances camera protection, expands accessory mounting options, and improves handling for various shooting scenarios, including low-angle shots.

2. PRODUCT OVERVIEW

The SmallRig Handheld Camera Cage Kit is engineered to provide a robust and ergonomic solution for professional videography. It comprises two primary components:

- **Camera Cage Kit 4184:** A form-fitting cage for Sony FX30/FX3, offering protection and multiple mounting points.
- **Sling Handle 3028C:** An adjustable handle designed for DJI gimbals, providing enhanced stability and comfort for low-angle shooting.

2.1 Key Features

- **Dedicated Design:** Custom-fit for Sony FX30 and FX3 cameras, ensuring full access to controls and ports.
- **Versatile Mounting:** Features multiple 1/4"-20 and ARRI anti-twist 3/8"-16 threaded holes, cold shoe mounts, and NATO rails for attaching accessories.
- **XLR Extension Compatibility:** Supports the separately available Sony audio handle for expanded audio input options.
- **Adjustable Sling Handle:** The handle can be adjusted up to 180° and used as a side handle, featuring a comfortable, anti-slip silicone grip.
- **Quick Switching:** Facilitates rapid transitions between tripod and handheld shooting configurations.
- **Integrated HDMI Cable Clamp:** Protects cables and ensures stable signal transmission.
- **High Load Capacity:** The sling handle supports up to 8kg (17.6 lbs), reducing arm fatigue during extended use.

2.2 Components and Features Visual Guide



Figure 2.2.1: Overview of the SmallRig Handheld Camera Cage Kit, showing the camera cage mounted on a Sony camera and the adjustable sling handle.

Included Accessories for Added Versatility



Figure 2.2.2: Illustration of included accessories: an extension rig for Sony XLR audio handle, a dedicated HDMI cable clamp, and a hand strap for increased stability.



Figure 2.2.3: Detailed view of the camera cage highlighting various mounting points: 1/4"-20 threaded holes, cold shoe mounts, strap slots, 3/8"-16 locating holes for ARRI accessories, and NATO rails.

Quick Switch Between Tripod Shooting & Handheld Shooting



Figure 2.2.4: Diagram illustrating the quick transition capability between tripod shooting and handheld shooting using the integrated QR plate for Arca-Swiss compatibility.

Precise Holes & Accurate Calibration



Figure 2.2.5: Close-up view of the camera cage showing precise cutouts for power cables, hinge arm access, and the integrated HDMI cable clamp for secure connections.

Expandable as You Need



Figure 2.2.6: Detailed diagram of the sling handle, showcasing its expandability with features like a QD socket, 3/8"-16 locating hole for ARRI, 1/4"-20 locating hole, NATO clamp with anti-off button, integrated NATO rail, and cold shoe mounts.

Comfortable Grip Feeling

Curved design and increased grip length fits ergonomics
A combo of aluminum alloy and silicone, lightweight but strong



Figure 2.2.7: Visual representation of the sling handle's ergonomic design, featuring a curved shape and increased grip length for comfortable handling, made from a lightweight yet strong aluminum alloy and silicone combination.

Take the Load Off Your Arm

It effectively reduces arm fatigue and adds stability to low-angle shots

Load Capacity

8kg / 17.6lbs



Figure 2.2.8: Demonstration of the sling handle in use, illustrating its effectiveness in reducing arm fatigue and adding stability for low-angle shots, with a stated load capacity of 8kg (17.6 lbs).

Reinforced Structure, Proper Installation Location

Mounted on the left side of the gimbal, no interference with the control buttons. Longer and stonger bracket, more versatile for RS 3 Pro and large camera setups.

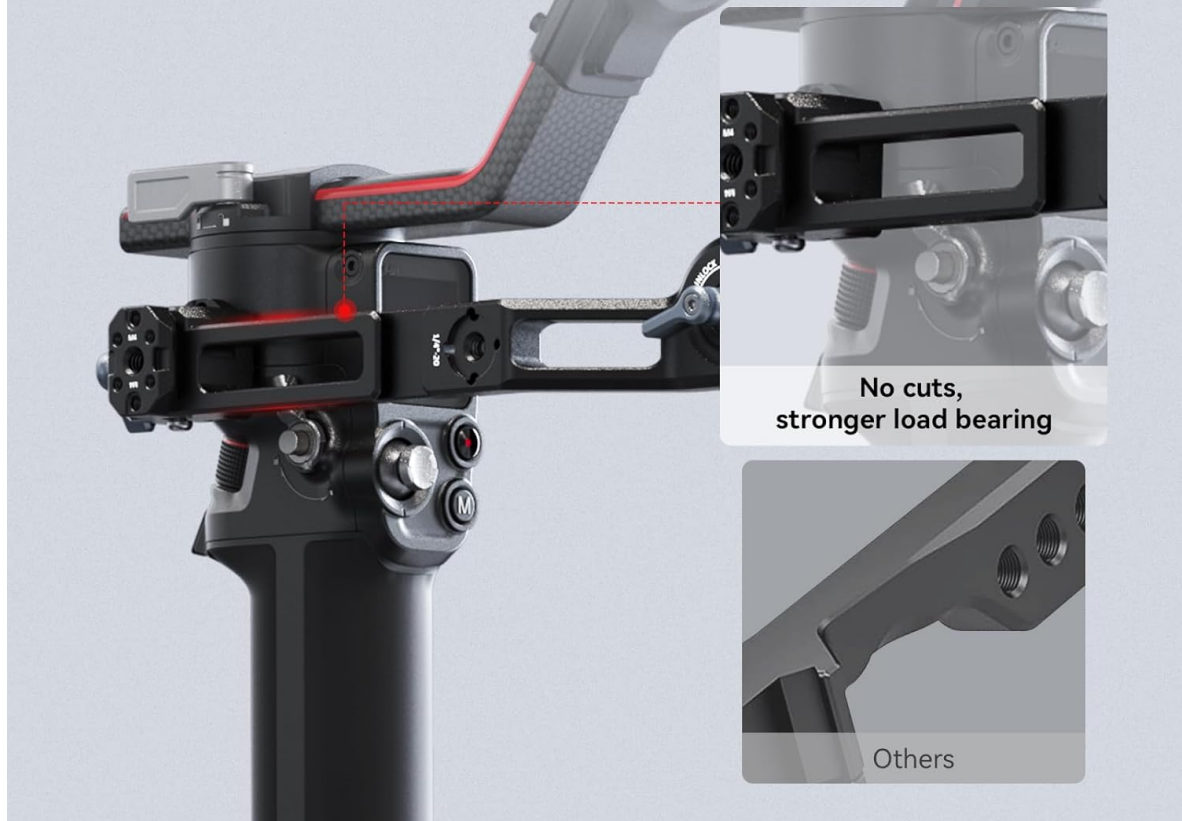


Figure 2.2.9: Close-up view detailing the reinforced structure of the sling handle and its proper installation location on the left side of the gimbal, ensuring no interference with control buttons and providing stronger load bearing.

3. SETUP

3.1 Assembling the Camera Cage (Kit 4184)

1. Ensure your Sony FX30 or FX3 camera is powered off and lenses are removed for safety.
2. Carefully align the camera with the cage. The cage is designed to fit precisely around the camera body.
3. Secure the camera within the cage using the provided screws. Typically, a 1/4"-20 screw at the bottom and an anti-twist pin or side screw will secure the camera firmly. Refer to the included tools for tightening.
4. Attach the dedicated HDMI cable clamp to the cage if you plan to use an external monitor or recorder. Ensure the cable is securely fastened to prevent accidental disconnections. (Refer to Figure 2.2.5)
5. If using the Sony audio handle, attach the XLR extension component to the cage as needed.

3.2 Attaching the Sling Handle (3028C)

1. Identify the NATO rail on your DJI RS 2, RSC 2, RS 3, RS 3 Pro, or RS 3 Mini gimbal.
2. Align the NATO clamp of the Sling Handle with the gimbal's NATO rail.

3. Tighten the NATO clamp's locking lever until the handle is securely attached to the gimbal. Ensure the anti-off button is engaged for added security. (Refer to Figure 2.2.6)
4. Adjust the angle of the handle using the ratchet knob. The handle can pivot up to 180° to achieve desired low-angle or side-handle configurations.
5. Ensure the handle is mounted on the left side of the gimbal to avoid interference with control buttons. (Refer to Figure 2.2.9)

4. OPERATING

4.1 Handheld Operation

- Once the camera is secured in the cage, use the cage's integrated grip or attach the hand strap for stable handheld shooting.
- For low-angle shots or improved ergonomics with a gimbal, utilize the Sling Handle. Adjust its angle to find the most comfortable and stable position. (Refer to Figure 2.2.7 and 2.2.8)
- The cage provides numerous 1/4"-20 and 3/8"-16 ARRI anti-twist threads, as well as cold shoe mounts, for attaching external monitors, microphones, LED lights, or other accessories.

4.2 Tripod and Gimbal Integration

- The cage features an Arca-Swiss compatible quick release plate at the bottom, allowing for rapid transitions between handheld and tripod setups without removing the camera from the cage. (Refer to Figure 2.2.4)
- When using the Sling Handle with a DJI gimbal, ensure the gimbal is properly balanced with the camera and cage attached. The handle's weight and position will affect the gimbal's balance.

5. MAINTENANCE

- **Cleaning:** Wipe the cage and handle with a soft, dry cloth to remove dust and fingerprints. For stubborn dirt, a slightly damp cloth can be used, followed by immediate drying. Avoid abrasive cleaners or solvents.
- **Inspection:** Regularly check all screws and connections for tightness. Re-tighten if necessary to ensure the camera and accessories remain secure.
- **Storage:** Store the kit in a clean, dry environment, away from extreme temperatures and humidity. If disassembling, keep all components and tools together to prevent loss.
- **Lubrication:** The moving parts of the sling handle (e.g., ratchet knob) are designed for smooth operation and generally do not require lubrication. If movement becomes stiff, contact support.

6. TROUBLESHOOTING

- **Camera not fitting in cage:** Ensure you have the correct cage model for your Sony FX30 or FX3. Double-check alignment and ensure no obstructions are present. Do not force the camera into the cage.
- **Accessories feel loose:** Verify that all 1/4"-20, 3/8"-16, and NATO clamp screws are fully tightened. If an accessory continues to loosen, inspect the threads for damage.
- **Sling handle not adjusting smoothly:** Check the ratchet knob for any debris or obstructions. Ensure it is not overtightened or damaged.
- **HDMI cable disconnecting:** Ensure the HDMI cable clamp is properly installed and tightened around the cable. Use a high-quality HDMI cable.
- **Gimbal balance issues with sling handle:** Re-balance your gimbal after attaching the sling handle

and any additional accessories. The handle's weight and position will affect the gimbal's balance.

7. SPECIFICATIONS

Attribute	Detail
Product Name	SmallRig Handheld Camera Cage Kit
Model Number	4184 (Cage Kit), 3028C (Sling Handle)
Compatible Cameras	Sony FX30, Sony FX3
Compatible Gimbals	DJI RS 2, RSC 2, RS 3, RS 3 Pro, RS 3 Mini
Material	Aluminum Alloy, Silicone
Color	Black
Sling Handle Load Capacity	8 kg / 17.6 lbs
Mounting Points	1/4"-20 threads, 3/8"-16 ARRI anti-twist threads, Cold Shoe, NATO Rail, QD Socket
ASIN	B0CLV67QBN
Date First Available	October 26, 2023

8. WARRANTY AND SUPPORT


SmallRig products are manufactured to high quality standards. For information regarding warranty coverage, please refer to the warranty policy provided with your purchase or visit the official SmallRig website.

For technical support, troubleshooting assistance beyond this manual, or inquiries about replacement parts, please contact SmallRig customer service directly. Contact information can typically be found on the product packaging or the official SmallRig website.

Official Website: www.smallrig.com

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Related Documents - 4184

 <p>SmallRig HawkLock Quick Release Cage Kit for Sony FX3 / FX30 索尼FX3 / FX30快速释放笼组附件 Operating Instructions / 操作指南</p>	<p>SmallRig HawkLock Quick Release Cage Kit for Sony FX3/FX30 - Operating Instructions and Specifications</p> <p>Detailed operating instructions, specifications, and compatibility information for the SmallRig HawkLock Quick Release Cage Kit designed for Sony FX3 and FX30 cameras. Includes parts lists and installation guides.</p>
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<p>SmallRig</p>  <p>NATO Top Handle (Lite)</p>	<p>SmallRig NATO Top Handle (Lite) Operating Instructions</p> <p>Operating instructions for the SmallRig NATO Top Handle (Lite), detailing its features, compatibility, safety guidelines, and specifications for the Sony FX30/FX3 XLR Handle.</p>
<p>SmallRig</p>  <p>Focus Control Dual Handle (for DJI RS Series)</p> <p>--- Operating Instruction ---</p>	<p>SmallRig Focus Control Dual Handle for DJI RS Series - Operating Instructions</p> <p>Detailed operating instructions for the SmallRig Focus Control Dual Handle, designed for DJI RS 2, RS 3 Pro, RS 4, and RS 4 Pro stabilizers. Learn about product features, functions, specifications, and setup.</p>
<p>SmallRig</p>  <p>"Black Mamba" Cage for Canon EOS R5 C / R5 / R6</p>	<p>SmallRig "Black Mamba" Cage for Canon EOS R5 C / R5 / R6 Operating Instruction</p> <p>Detailed operating instructions and specifications for the SmallRig "Black Mamba" Cage (Model 3233B), designed for Canon EOS R5 C, EOS R5, and EOS R6 cameras. Provides protection, accessory mounting options, and features like an Arca-Swiss plate and built-in screwdriver.</p>
<p>SmallRig</p>  <p>Cage Kit for Sony Alpha 7C II / Alpha 7CR User Manual</p>	<p>SmallRig Cage Kit for Sony Alpha 7C II / Alpha 7CR User Manual</p> <p>User manual for the SmallRig Cage Kit designed for Sony Alpha 7C II and Alpha 7CR cameras, detailing installation, compatibility, and specifications.</p>
<p>SmallRig</p>  <p>Full Cage (for Sony Alpha 7R V / Alpha 7 IV / Alpha 7S III / Alpha 1 / Alpha 7R IV)</p>	<p>SmallRig Full Cage 3667B for Sony Alpha 7R V/IV, 7 IV, 7S III, 1 - Operating Instructions</p> <p>Detailed operating instructions and specifications for the SmallRig 3667B Full Cage, designed for Sony Alpha 7R V, Alpha 7 IV, Alpha 7S III, Alpha 1, and Alpha 7R IV cameras. Learn about features, safety, compatibility, and mounting options.</p>