

SMALLRIG 4161-CF-FBA-US

SmallRig Black Mamba Camera Cage for Canon EOS R6 Mark II Instruction Manual

Model: 4161-CF-FBA-US

1. INTRODUCTION

This manual provides detailed instructions for the proper installation, operation, and maintenance of your SmallRig Black Mamba Camera Cage, designed specifically for the Canon EOS R6 Mark II camera. This cage offers enhanced protection and expands the mounting capabilities for various camera accessories, improving your filmmaking and photography experience.



Figure 1.1: SmallRig Black Mamba Camera Cage on Canon EOS R6 Mark II.

2. PACKAGE CONTENTS

Verify that all items are present in your package:

- Camera Cage × 1

Package Includes

Cage × 1



Product Parameters

Compatibility

For Canon EOS R6 Mark II

Product Dimensions

153 × 73.9 × 114.5mm
6.0 × 2.9 × 4.5in

Package Dimensions

184 × 130 × 76 mm
7.2 × 5.1 × 3.0in

Product Weight

158g ± 5g / 5.6 ± 0.2oz

Package Weight

238g ± 5g / 2.8 ± 0.2oz

Material(s)

Aluminum Alloy

Figure 2.1: Package contents and product dimensions.

3. KEY FEATURES

The SmallRig Black Mamba Camera Cage offers several key features:

- **Streamlined Design:** Provides comprehensive protection while maintaining access to all camera buttons and controls. Weighs only 158g (0.34 lbs).
- **Built-in Quick Release Plate:** Features an Arca-Swiss compatible bottom plate for quick transitions between handheld, tripod, and DJI RS 2 / RSC 2 / RS 3 / RS 3 Pro stabilizer setups.
- **Anti-Twisting Mechanism:** Securely locks the camera with a 1/4"-20 screw at the bottom and two side positioning blocks, preventing rotation. Integrated silicone pads protect the camera from scratches.
- **Multiple Mounting Options:** Includes 1/4"-20 and 3/8"-16 threaded holes, ARRI locating holes, and a cold shoe mount for attaching various accessories like top handles, side handles, monitors, microphones, and LED lights.
- **Integrated Wrench:** A built-in wrench facilitates easy mounting and removal.
- **QD Socket:** Compatible with SmallRig handbands (e.g., PAC2456) and shoulder straps (e.g., PSC2428).

4. SETUP AND INSTALLATION

Follow these steps to securely install the camera cage onto your Canon EOS R6 Mark II:

1. **Step 1:** Align the camera with the cage. Use the built-in dual-head wrench to tighten the 1/4"-20 screw located at the bottom of the cage into the camera's tripod socket.
2. **Step 2:** Secure the left side lock. Position the left side lock adapter into the camera's strap slot and ensure it is firmly seated.
3. **Step 3:** Secure the right side lock. Position the right side lock adapter into the camera's strap slot and ensure it is firmly seated.

Ensure all screws and locks are tightened to prevent any movement or twisting of the camera within the cage. The integrated silicone pads provide additional protection against scratches.



Figure 4.1: Three-Point Locking Design installation steps.

5. OPERATING INSTRUCTIONS

5.1 Quick Release Plate Functionality

The integrated Arca-Swiss compatible quick release plate on the bottom of the cage allows for rapid transitions between different shooting setups. This feature is compatible with DJI RS 2, RSC 2, RS 3, and RS 3 Pro stabilizers, as well as standard Arca-Swiss tripods.

Quick, Easy Scene Switching

The built-in Quick Release Plate for Arca-Swiss on the bottom for quick switching between handheld, tripod, and for DJI RS stabilizer shooting modes



* Compatible for DJI RS 2 / RSC 2 / RS 3 / RS 3 Pro stabilizers

Figure 5.1: Quick and easy scene switching using the built-in Arca-Swiss plate.

5.2 Accessory Mounting Options

The cage provides numerous mounting points for expanding your camera rig:

- **1/4"-20 Threaded Holes:** Standard mounting points for a wide range of accessories.
- **3/8"-16 Threaded Holes:** Larger mounting points for heavier accessories or specific mounting standards.
- **ARRI Locating Holes:** Designed to prevent twisting of accessories attached via 3/8"-16 screws, ensuring stability.
- **Cold Shoe Mount:** Ideal for attaching microphones, LED video lights, or other cold shoe compatible accessories.
- **Wrist Strap Slot:** For attaching wrist straps for added security during handheld operation.
- **QD Socket:** Quick Detach socket for compatible handbands and shoulder straps.

Extensive Expansion Capability



Figure 5.2: Extensive expansion capabilities with various mounting points.



QD Socket Hand / Shoulder Strap Slots

Shoulder strap and wrist strap holes for use with Hand Strap (ID: 3848) or Shoulder Strap (ID: PSC2428)

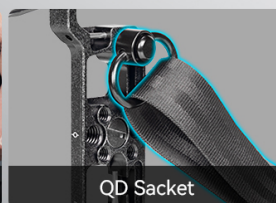


Figure 5.3: Detail of QD Socket and Wrist Strap Slot.

5.3 Recommended Accessories

The cage is designed to integrate seamlessly with a range of SmallRig accessories to build a complete camera rig:

- Top Handles (e.g., ID: 3765, 2165C)
- Side Handles (e.g., ID: 4016)
- Monitor Mounts (e.g., ID: 2903B)
- Microphones (e.g., ID: 3487)
- Follow Focus Systems (e.g., ID: 3010C)
- Matte Boxes (e.g., ID: 3196)
- V-Mount Battery Mounting Systems (e.g., ID: 4064)
- Tripods (e.g., ID: 4059)

Kit Recommendation



Figure 5.4: Kit recommendation showing a fully accessorized camera rig.

6. MAINTENANCE

To ensure the longevity and optimal performance of your SmallRig Black Mamba Camera Cage, follow these maintenance guidelines:

- **Cleaning:** Wipe the cage 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.
- **Storage:** Store the cage in a dry, cool environment away from direct sunlight and extreme temperatures. If not in use for extended periods, consider storing it in its original packaging or a

protective bag.

- **Inspection:** Periodically check all screws and mounting points for tightness. Ensure the silicone pads are intact and providing adequate protection.

7. TROUBLESHOOTING

If you encounter any issues with your camera cage, consider the following:

- **Cage feels loose on camera:** Ensure the 1/4"-20 screw at the bottom and both side lock adapters are fully tightened. Refer to Section 4 for installation steps.
- **Accessories are not secure:** Verify that accessories are attached to the correct mounting points (e.g., ARRI locating holes for anti-twist) and that their respective screws are tightened.
- **Difficulty attaching to stabilizer/tripod:** Confirm that the quick release plate is correctly aligned with the Arca-Swiss clamp on your stabilizer or tripod. Ensure the clamp is fully open before insertion and securely closed afterward.

For further assistance, please contact SmallRig customer support.





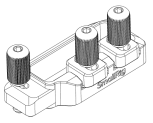
8. SPECIFICATIONS

Feature	Detail
Product Dimensions	153 × 73.9 × 114.5 mm (6.0 × 2.9 × 4.5 inches)
Item Weight	158 g ± 5 g (5.6 ± 0.2 oz)
Package Dimensions	184 × 130 × 76 mm (7.2 × 5.1 × 3.0 inches)
Package Weight	238 g ± 5 g (8.4 ± 0.2 oz)
Material	Aluminum Alloy
Compatibility	Canon EOS R6 Mark II
Mounting Points	1/4"-20 Threaded Holes, 3/8"-16 Threaded Holes, ARRI Locating Holes, Cold Shoe Mount, Wrist Strap Slot, QD Socket
Quick Release Plate	Arca-Swiss compatible
Model Number	4161-CF-FBA-US

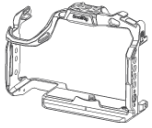
9. WARRANTY AND SUPPORT

SmallRig products are manufactured to high-quality standards. For information regarding warranty coverage, product registration, or technical support, please refer to the official SmallRig website or contact their customer service directly. Keep your purchase receipt as proof of purchase.

Related Documents - 4161-CF-FBA-US

<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>"Black Mamba" Cage Kit for Canon EOS R5 Mark II 佳能 EOS R5 Mark II 黑曼巴笼组配件 (4975 / 4976)</p> <p>Operating Instruction / 操作指南</p> <p><small>Thank you for purchasing SmallRig product. 感谢您购买 SmallRig 产品。 Please read the Operating Instruction carefully. 请仔细阅读操作指南。 Please follow the safety warnings. 请遵守安全警告。</small></p>	<p>SmallRig "Black Mamba" Cage Kit for Canon EOS R5 Mark II (4975/4976) - Operating Instructions</p> <p>Detailed operating instructions and specifications for the SmallRig "Black Mamba" Cage Kit designed for the Canon EOS R5 Mark II camera. Includes product details, installation steps for the cage, top handle, and cable clamp, along with compatibility information and manufacturer details.</p>
<p>SmallRig</p>  <p>Mount Plate for AirTag for Canon</p>	<p>SmallRig MD5424 Mount Plate for AirTag for Canon Cameras - Operating Instructions</p> <p>Detailed operating instructions and specifications for the SmallRig MD5424 Arca-Swiss mount plate designed for Canon EOS R5, R5 C, R5 Mark II, R6, R7, and R10 cameras. Features integrated AirTag compartment, quick-release system, and multiple mounting points.</p>
	<p>SmallRig SR-RG1 Wireless Shooting Grip User Manual</p> <p>User manual for the SmallRig SR-RG1 Wireless Shooting Grip, detailing its features, compatibility, pairing instructions for Sony and Canon cameras, product specifications, and warranty information.</p>
<p>SmallRig</p>  <p>HDMI & USB-C Cable Clamp (for Canon EOS R50 V Cage) HDMI和USB-C线材固定夹 (适用于佳能 EOS R50 V)</p> <p>Operating Instruction / 操作指南</p>	<p>SmallRig HDMI & USB-C Cable Clamp for Canon EOS R50 V Cage - Operating Instructions</p> <p>Operating instructions for the SmallRig HDMI & USB-C Cable Clamp designed for the Canon EOS R50 V Cage. Includes installation steps, specifications, and manufacturer details.</p>

SmallRig



"Black Mamba" Cage
(for Panasonic GH5/GH5S/GH6/S1/S1R/S1H)
『黑曼巴』 拓展籠
(適用於 GH5/GH5S/GH6/S1/S1R/S1H)
Operating Instruction | 操作說明

[SmallRig Black Mamba Cage Operating Instructions and Specifications](#)

Comprehensive guide for the SmallRig 'Black Mamba' Cage (models 5502 and 5503), detailing installation, features, specifications, and warranty for Panasonic G9 II, S5 II, S5 IIX, S1R II, S1 II, and S1 IIE cameras.