**SMALLRIG 5427**

# SmallRig R50 V Camera Cage for Canon R50V - Instruction Manual

## 1. INTRODUCTION

This instruction manual provides detailed information on the installation, features, and usage of the SmallRig R50 V Camera Cage (Model 5427) designed specifically for the Canon R50 V camera. This cage offers enhanced protection, improved ergonomics, and versatile mounting options for various camera accessories.

## 2. PACKAGE CONTENTS

Please verify that all items listed below are included in your package:

- 1 x SmallRig R50 V Camera Cage
- 1 x Detachable Cold Shoe Mount
- 2 x Allen Wrenches
- 1 x 1/4"-20 Screw

## 3. PRODUCT OVERVIEW

The SmallRig R50 V Camera Cage is engineered to integrate seamlessly with your Canon R50 V, providing a robust and functional platform for your videography and photography needs.

### 3.1. Full Cage & Anti-Twist Design

The cage features a full-cover construction that protects the camera body. It attaches securely to the Canon R50 V using two 1/4-inch-20 screws (one at the bottom and one on the side) to prevent any twisting or deflection. Integrated internal silicone pads further protect the camera from scratches.

Figure 3.1: Full Cage and Anti-Twist Design with secure 1/4"-20 screw attachment points.

## 3.2. Ergonomic Silicone Handle

A built-in ergonomic silicone handle significantly improves holding comfort and shooting stability. The handle's vertical stripe design complements the Canon R50 V camera's aesthetics.



**Full Cage & Anti-Twist Design**

This camera cage is designed for the Canon R50 V, full-cover construction
protects the camera, and it attaches to the R50 V camera by two 1/4"-20 screws (at the bottom and side)
for secure locking without deflection,
while integrated internal silicone pads prevent scratches.

1/4"-20 screws

Figure 3.2: Ergonomic silicone handle for enhanced grip and stability.

## 3.3. Multiple Expansion Interfaces

The cage is equipped with various mounting points for accessories, including 1/4-inch-20 threaded holes, 1/4-inch-20 locating holes, 3/8-inch-16 locating holes for ARRI accessories, cold shoe mounts, strap slots, and QD sockets. These interfaces allow for attaching handles (e.g., ID: 3765, 4757), microphones, fill lights (e.g., ID: 4660, 4786), shoulder straps (e.g., ID: 5209), and wrist straps (e.g., ID: 4881).

**Ergonomic Silicone Handle**

This R50V cage for Canon built-in ergonomic silicone handle, and the same vertical stripe as the R50 V camera, which significantly improves holding comfort and shooting stability.

Figure 3.3: Detailed view of the various expansion interfaces on the cage.

## 3.4. Vertical Shooting Support

A dedicated 1/4-inch-20 threaded hole on the handle's side facilitates attaching an additional grip for comfortable and stable portrait orientation shooting.



SR-RG2 Wireless Shooting Grip (ID 4551)

**Support Vertical Shooting**

This cage for Canon R50 V features a 1/4"-20 threaded hole on the cage's side for attaching an additional grip in portrait orientation, such as SmallRig SR-RG2 Wireless Shooting Grip (ID:4551)

Figure 3.4: Camera mounted for vertical shooting with an additional grip.

## 3.5. Detachable Cold Shoe

The included detachable cold shoe mount can be affixed to any 1/4-inch-20 locating hole on the cage, further enhancing accessory mounting versatility.



Figure 3.5: Detachable cold shoe mount for flexible accessory placement.

## 3.6. Quick Switch Design (Arca-Swiss)

A built-in Arca-Swiss quick release plate at the bottom of the cage allows for rapid transitions between handheld shooting, tripod mounting (compatible with tripods like ID 4059), and integration with DJI RS 4 Mini / RS 2 / RSC 2 / RS 3 / RS 3 Pro gimbals. A screwdriver is included for convenient assembly and disassembly.
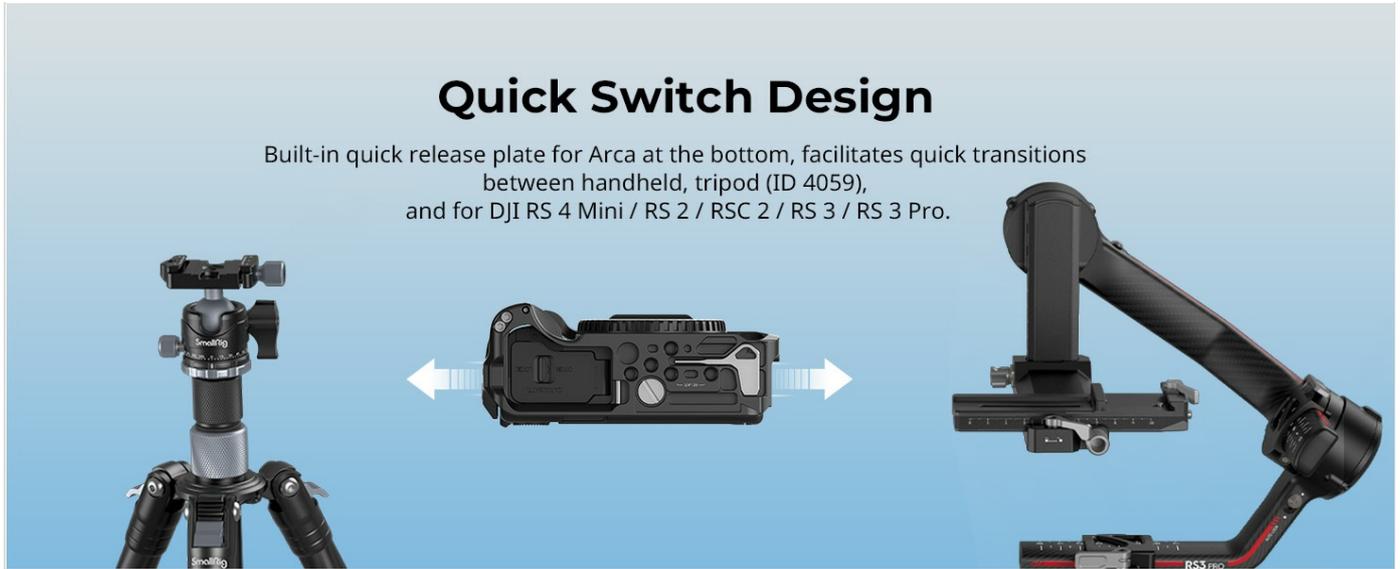


Figure 3.6: Quick release plate for seamless transitions between setups.

## 3.7. Unobstructed Button and Screen Access

The precision-engineered design ensures unobstructed access to all camera buttons, the battery compartment, card slots, and other interfaces. The articulating screen can be fully extended and rotated up to 270 degrees without interference from the cage.

Figure 3.7: Unobstructed access to camera controls and articulating screen.

## 4. SETUP

Follow these steps to properly install the SmallRig R50 V Camera Cage onto your Canon R50 V camera:

1. **Prepare the Camera:** Ensure your Canon R50 V camera is powered off and any attached lenses or accessories are removed.

2. **Align the Cage:** Carefully align the camera with the cage, ensuring the bottom 1/4"-20 screw hole on the camera matches the corresponding screw on the cage's base plate.

3. **Secure the Bottom Screw:** Use the provided Allen wrench to tighten the 1/4"-20 screw at the bottom of the cage into the camera's tripod mount. Do not overtighten.

4. **Secure the Side Screw:** Locate the second 1/4"-20 screw on the side of the cage. Align it with the side mounting point on the Canon R50 V and tighten it using the Allen wrench. This dual-point attachment prevents camera twisting within the cage.

5. **Check for Security:** Gently attempt to move the camera within the cage to ensure it is firmly secured and there is no play.

For a visual guide on the installation process, please refer to the video below:

Video 4.1: Detailed installation and feature overview of the SmallRig R50 V Camera Cage.

# 5. OPERATING

The SmallRig R50 V Camera Cage enhances your camera's functionality through its various features:

- **Accessory Mounting:** Utilize the numerous 1/4"-20 and 3/8"-16 ARRI threaded holes, cold shoe mounts, and QD sockets to attach external monitors, microphones, LED lights, top handles, side handles, and other accessories.

- **Vertical Shooting:** Attach a compatible grip or plate to the side 1/4"-20 threaded hole for stable vertical video recording or photography.

- **Quick Release System:** The integrated Arca-Swiss quick release plate allows for fast transitions between handheld shooting, tripod mounting, and gimbal setups. Simply slide the camera and cage onto a compatible Arca-Swiss clamp.

- **Battery and Card Access:** The cage is designed to provide full access to the camera's battery compartment and SD card slot without needing to remove the cage.

- **Port Accessibility:** All camera ports (HDMI, USB, microphone, headphone) remain fully accessible and unobstructed, allowing for easy connection of cables.

Observe the cage in use with various accessories in the following video:

Video 5.1: Short demonstration of the SmallRig R50 V Camera Cage enhancing camera handling and accessory integration.

# 6. MAINTENANCE

To ensure the longevity and optimal performance of your SmallRig R50 V Camera Cage, follow these maintenance guidelines:

- **Cleaning:** Wipe the cage regularly with a soft, dry cloth to remove dust and debris. For stubborn dirt, use a slightly damp cloth and dry thoroughly. Avoid harsh chemicals or abrasive materials.

- **Screw Check:** Periodically check all screws, especially the 1/4"-20 camera attachment screws, to ensure they are securely tightened. Use the provided Allen wrench for adjustments.

- **Silicone Pads:** Inspect the internal silicone pads for wear or damage. These pads are crucial for protecting your camera from scratches and preventing movement.

- **Storage:** When not in use, store the cage in a clean, dry environment, away from extreme temperatures and direct sunlight.

# 7. TROUBLESHOOTING

Here are solutions to common issues you might encounter:

- **Screen Articulation Interference:** If the detachable cold shoe mount (or any other accessory) is placed on the left side of the cage, it may obstruct the full articulation of the camera's screen. To resolve this, consider relocating the cold shoe mount to a different 1/4"-20 locating hole (e.g., on top) or removing it when full screen articulation is required.

- **Microphone Interference:** If using the detachable cold shoe mount on the top of the cage directly above the camera's hot shoe, certain larger microphones (e.g., shotgun mics) may not fit due to limited space. In such cases, utilize one of the other cold shoe mounts or 1/4"-20 threaded holes on the cage for accessory attachment.

- **Loose Camera Fit:** If the camera feels loose within the cage, ensure both the bottom and side 1/4"-20 screws are properly tightened using the provided Allen wrench. The internal silicone pads should provide a snug fit.

# 8. SPECIFICATIONS

| Feature | Specification |
|---|---|
| Product Dimensions | 2.36 x 2.36 x 2.36 inches (136.8 x 53.0 x 96.0 mm) |
| Item Weight | 6.2 ounces (175 Grams) |
| Item Model Number | 5427 |
| Material(s) | Aluminum Alloy, Silicone, Stainless Steel |
| Compatible Devices | Canon R50 V |
| Color | Black |

# 9. WARRANTY AND SUPPORT

SmallRig products are designed for durability and performance. For warranty information, product support, or to explore additional accessories, please visit the official SmallRig website or contact their customer service. You can also find more products and information at the SmallRig Amazon Store.