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## Canon R50

# Canon EOS R50 V Mirrorless Camera Instruction Manual

Model: R50 V | Lens: RF-S 14-30mm f/4-6.3 IS STM PZ

## 1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your Canon EOS R50 V Mirrorless Camera. The Canon EOS R50 V is a compact yet powerful mirrorless camera designed for content creators, offering professional image quality in a lightweight build. It features a 24.2MP APS-C CMOS sensor, DIGIC X processor, 4K uncropped video recording, Dual Pixel CMOS AF, and a fully articulating flip screen. This kit includes the versatile Canon RF-S 14-30mm f/4-6.3 IS STM PZ lens, ideal for a wide range of photographic and videographic applications.

## 2. WHAT'S IN THE BOX

Verify that all items are present in your camera kit:

- Canon EOS R50 V Mirrorless Camera Body
- Canon RF-S 14-30mm f/4-6.3 IS STM PZ Lens
- Canon LP-E17 Lithium-Ion Battery Pack
- Canon LC-E17 Charger
- Canon R-F-5 Camera Cover
- Neck Strap
- Canon E-58 II Lens Cap
- Lens Dust Cap RF
- Shoulder Bag
- 64GB Memory Card

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**Video: Canon R50V Unboxing.** This video demonstrates the unboxing process of the Canon EOS R50 V camera kit, showing the contents and initial handling of the camera body and lens.

## 3. SETUP

### 3.1. Charging the Battery

Insert the LP-E17 battery into the LC-E17 charger. Plug the charger into a power outlet. The charging indicator light will show the charging status. Charge the battery fully before first use.

### 3.2. Inserting the Battery and Memory Card

1. Open the battery compartment cover on the bottom of the camera.
2. Insert the charged LP-E17 battery into the compartment, ensuring the correct orientation, until it clicks into place.
3. Open the memory card slot cover. Insert the 64GB SDXC memory card with the label facing the front of the camera until it clicks.
4. Close both covers securely.



**Image: Battery and Memory Card Compartment.** This image shows the underside of the Canon EOS R50 V camera, with the battery and memory card compartment open, illustrating where to insert the battery and SDXC card.

### 3.3. Attaching the Lens

1. Remove the camera body cap and the rear lens cap from the RF-S 14-30mm f/4-6.3 IS STM PZ lens.
2. Align the red index mark on the lens with the red index mark on the camera body.
3. Rotate the lens clockwise until it clicks into place.



**Image: Camera with Lens Attached.** A front-angle view of the Canon EOS R50 V Mirrorless Camera with the RF-S 14-30mm f/4-6.3 IS STM PZ lens securely attached.

### 3.4. Initial Power On

Turn the power switch to the 'ON' position. Follow the on-screen prompts to set the date, time, and language.

## 4. OPERATING THE CAMERA

### 4.1. Basic Controls and Interface

The EOS R50 V features an intuitive layout with a mode dial, shutter button, and customizable function buttons. The fully articulating LCD touchscreen allows for flexible shooting angles and easy menu navigation.



**Image: Top Controls.** This image provides a top-down view of the Canon EOS R50 V, highlighting the mode dial, shutter button, and other essential controls.



**Image: Side Ports.** A side view of the camera body, illustrating the microphone input, HDMI output, and USB-C port.

## 4.2. Shooting Modes

Utilize the mode dial to select your desired shooting mode:

- **Scene Intelligent Auto:** Automatically optimizes settings for various scenes.
- **Creative Assist:** Offers easy adjustments to background blur, brightness, and color tones.
- **Program AE (P):** Camera sets aperture and shutter speed, you control other settings.
- **Shutter-priority AE (Tv):** You set shutter speed, camera sets aperture.
- **Aperture-priority AE (Av):** You set aperture, camera sets shutter speed.
- **Manual (M):** Full control over aperture, shutter speed, and ISO.
- **Custom Modes (C1, C2, C3):** Save your preferred settings for quick recall.

### 4.3. Autofocus System

The camera features Canon's Dual Pixel CMOS AF system for fast and accurate focusing. It includes advanced subject detection capabilities:

- **Eye Detection AF:** Automatically detects and focuses on human or animal eyes.
- **Face Detection AF:** Prioritizes focusing on faces within the frame.
- **Subject Tracking:** Maintains focus on moving subjects, including vehicles.

### 4.4. Video Recording

The EOS R50 V is capable of high-quality video recording:

- **4K UHD Video:** Record uncropped 4K video at up to 30 frames per second (30p).
- **Full HD High Frame Rate:** Capture Full HD (1080p) video at up to 120 frames per second (120p) for smooth slow-motion effects.
- **Vertical Video Mode:** Optimized for social media content, allowing direct vertical video capture.
- **Livestreaming:** USB-C connectivity supports direct livestreaming.

## 5. MAINTENANCE

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### 5.1. Cleaning the Camera and Lens

- Use a soft, lint-free cloth to clean the camera body.
- For the lens, use a lens brush to remove dust, followed by a lens cleaning solution and a microfiber cloth. Avoid touching the lens surface directly.
- Keep the sensor clean by using a blower bulb. For stubborn dust, professional cleaning is recommended.

### 5.2. Storage

When not in use, store the camera with the lens cap and body cap attached in a dry, cool place, away from direct sunlight and moisture. Remove the battery if storing for extended periods.

## 6. TROUBLESHOOTING

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Problem	Possible Cause	Solution
Camera does not power on	Battery depleted or incorrectly inserted	Charge battery fully; reinsert battery correctly.
Images are blurry	Incorrect focus, camera shake, dirty lens	Check focus mode; use faster shutter speed or tripod; clean lens.
Memory card error	Card full, corrupted, or incompatible	Delete files, format card (backup first), use compatible card.
Video recording stops unexpectedly	Memory card speed too slow, camera overheating	Use a faster memory card (UHS-I U1 or higher); allow camera to cool down.

## 6.1. Factory Reset

If issues persist, a factory reset may resolve them. Navigate to the camera's menu, find 'Clear settings' or 'Reset all settings', and confirm. **Note:** This will erase all custom settings, so back up any important configurations.

## 7. SPECIFICATIONS

Feature	Detail
Model Name	EOS R50 V
Brand	Canon
Sensor Type	CMOS (APS-C)
Effective Still Resolution	24.2 MP
Video Resolution	4K (2160p) at 30fps, Full HD (1080p) at 120fps
Compatible Mountings	Canon RF
Included Lens	RF-S 14-30mm f/4-6.3 IS STM PZ
Autofocus Technology	Dual Pixel CMOS AF (Eye, Face, Subject Detection)
Image Stabilization	Optical (Lens-based)
Display Type	Articulating LCD Touchscreen
Connectivity	USB-C (for charging, data, livestreaming)
Memory Storage	SDXC (64GB included)
Battery Type	LP-E17 Lithium Ion
Item Weight	4.4 Pounds (with lens)
Dimensions (D x W x H)	4"D x 3"W x 5"H

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

The Canon EOS R50 V Mirrorless Camera comes with a 1-Year Limited Warranty from the manufacturer. Please refer to the warranty card included in your product packaging for full terms and conditions.

## **8.2. Customer Support**

For technical assistance, troubleshooting, or service inquiries, please visit the official Canon support website or contact their customer service hotline. Keep your product's serial number and proof of purchase readily available.