

Canon EOS 5DS

Canon EOS 5DS DSLR Camera Instruction Manual

Model: EOS 5DS (0581C002)

1. INTRODUCTION

The Canon EOS 5DS is a high-resolution full-frame DSLR camera designed for professional photographers. It features a 50.6MP CMOS sensor and Dual DIGIC 6 Image Processors, enabling detailed image capture and fast performance. This manual provides essential information for the proper setup, operation, and maintenance of your camera.

Please read this manual thoroughly before using the camera to ensure correct operation and to maximize its capabilities.

2. SETUP

2.1. Charging and Installing the Battery

The camera uses a Canon LP-E6N Lithium-Ion Battery Pack. Before initial use, fully charge the battery using the Canon LC-E6 Charger.

1. Insert the battery into the charger, aligning the terminals.
2. Plug the charger into a power outlet. The charging indicator light will show the charging status.
3. Once fully charged, remove the battery from the charger.
4. Open the battery compartment cover on the camera body.
5. Insert the charged LP-E6N battery into the compartment, ensuring it clicks into place. Close the cover securely.

2.2. Inserting a Memory Card

The EOS 5DS supports SecureDigital (SD) memory cards. For optimal performance with high-resolution images and video, use high-speed cards like the SanDisk SecureDigital Extreme PRO.



Figure 2.2.1: Side view of the Canon EOS 5DS camera, illustrating the location of the memory card slot.

1. Open the memory card slot cover on the side of the camera.
2. Insert the memory card with the label facing the front of the camera until it clicks into place.
3. Close the memory card slot cover.

2.3. Attaching a Lens

The EOS 5DS uses Canon EF mount lenses. Ensure the camera is powered off before attaching or detaching a lens.



Figure 2.3.1: Front view of the Canon EOS 5DS camera body, highlighting the EF lens mount.

1. Remove the body cap from the camera and the rear cap from the lens.
2. Align the red or white index mark on the lens with the corresponding mark on the camera's lens mount.
3. Rotate the lens clockwise until it locks into place with a click.

2.4. Attaching the Eyecup and Strap

Attach the provided Eyecup Eg to the viewfinder for comfortable viewing. Secure the wide strap EW-EOS5DSR to the camera's strap lugs for safe carrying.

3. OPERATING THE CAMERA

3.1. Powering On/Off

Locate the power switch on the camera body. Slide it to the 'ON' position to power on the camera and to 'OFF' to power it off.

3.2. Basic Shooting Modes

The EOS 5DS offers various shooting modes accessible via the mode dial. Refer to the camera's on-screen display for detailed mode descriptions.

- **Program AE (P):** Camera automatically sets shutter speed and aperture.
- **Shutter-priority AE (Tv):** You set the shutter speed, camera sets aperture.
- **Aperture-priority AE (Av):** You set the aperture, camera sets shutter speed.
- **Manual Exposure (M):** You set both shutter speed and aperture.

- **Bulb:** For long exposures where the shutter remains open as long as the shutter button is pressed.

3.3. Autofocus System

The camera features a 61-point High Density Reticular AF sensor with 41 cross-type points for precise focusing. Canon's EOS iTR (Intelligent Tracking and Resolution) enhances AF performance by utilizing information from the metering sensor.

- **One-Shot AF:** Suitable for still subjects. Focus locks once achieved.
- **AI Servo AF:** For moving subjects. Camera continuously focuses as long as the shutter button is half-pressed.
- **AI Focus AF:** Automatically switches between One-Shot AF and AI Servo AF depending on subject movement.

3.4. Exposure Metering

The 150,000-pixel RGB+IR metering sensor provides precise exposure and color metering. Select the appropriate metering mode based on your shooting conditions:

- **Evaluative Metering:** General-purpose metering, suitable for most situations.
- **Partial Metering:** Meters approximately 6.2% of the viewfinder at the center.
- **Spot Metering:** Meters approximately 1.5% of the viewfinder at the center.
- **Center-weighted Average Metering:** Averages the light in the entire frame, with emphasis on the center.

3.5. ISO Sensitivity

The standard ISO range is 100-6400, expandable for specific shooting needs. Adjust ISO to control image brightness in varying light conditions.

3.6. Video Recording

The EOS 5DS supports Full HD 1080p video recording at 30 frames per second (fps). It also features a Time Lapse movie function, which combines still photos taken at set intervals into a full HD movie.

1. Set the mode dial to the movie shooting mode.
2. Press the Movie shooting button to start and stop recording.
3. Adjust video settings such as resolution and frame rate in the camera's menu.

4. MAINTENANCE

4.1. Cleaning the Camera

Regular cleaning helps maintain camera performance and image quality. Use a soft, lint-free cloth for the camera body. For the lens and sensor, use specialized cleaning tools from a camera cleaning kit.

- **Camera Body:** Wipe gently with a dry, soft cloth. For stubborn dirt, slightly dampen the cloth with water.
- **Lens:** Use a lens brush to remove dust, then a lens cleaning solution and microfiber cloth.
- **Sensor:** Sensor cleaning should be performed with extreme care using a sensor cleaning kit, or by a professional service center.

4.2. Battery Care

To prolong battery life:

- Charge the battery fully before use.

- Store batteries in a cool, dry place when not in use.
- Remove the battery from the camera if it will not be used for an extended period.

4.3. Storage

When storing the camera for long periods, ensure it is clean, dry, and stored in a protective bag or case to prevent dust and moisture accumulation.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Canon EOS 5DS.

5.1. Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check that the power switch is in the 'ON' position.
- Try using a different charged battery if available.

5.2. Images Are Blurry

- Verify that the lens is properly attached and clean.
- Check your focus mode (One-Shot AF for still subjects, AI Servo AF for moving subjects).
- Ensure shutter speed is fast enough to prevent camera shake, especially in low light or with long lenses.
- Confirm that the lens's image stabilization (if applicable) is enabled or disabled as needed.

5.3. Memory Card Error

- Reinsert the memory card.
- Try formatting the card in the camera (note: this will erase all data).
- Use a different, compatible memory card.

5.4. Video Recording Stops Unexpectedly

- Ensure you are using a high-speed memory card suitable for video recording.
- Check the available space on the memory card.
- The camera may stop recording if the internal temperature becomes too high. Allow the camera to cool down.

6. SPECIFICATIONS

Key technical specifications for the Canon EOS 5DS DSLR Camera.

Feature	Specification
Model Name	EOS 5DS (0581C002)
Sensor Type	Full-Frame CMOS
Photo Sensor Resolution	50.6 MP
Image Processor	Dual DIGIC 6

Lens Mount	Canon EF
ISO Range	100-6400 (Expandable)
Continuous Shooting	5 FPS
Autofocus System	61-Point High Density Reticular AF
Video Resolution	Full HD 1080p at 30 fps
Screen Size	3.2 Inches
Viewfinder	Optical (Intelligent Viewfinder II)
Connectivity	HDMI, USB
Battery Type	LP-E6N Lithium-Ion
Item Weight	11.11 Pounds (Body Only)

7. WARRANTY AND SUPPORT

7.1. Warranty Information

The Canon EOS 5DS DSLR Camera comes with a **90-day limited warranty**. This warranty covers manufacturing defects and issues arising from normal use within the specified period. Please retain your proof of purchase for warranty claims.

7.2. Customer Support

For technical assistance, service, or further inquiries regarding your Canon EOS 5DS camera, please contact Canon customer support. Refer to the official Canon website for the most current contact information and support resources.

Online resources, including FAQs and software downloads, are also available on the official Canon support pages.