

Canon 8469B002

Canon EOS 70D Digital SLR Camera (Body Only) - Instruction Manual

Model: 8469B002

1. INTRODUCTION

The Canon EOS 70D Digital SLR Camera (Body Only) is designed for photographers seeking high-resolution images and excellent low-light sensitivity. Featuring an APS-C CMOS sensor and DIGIC 5+ image processor, this camera delivers detailed, clear imagery with natural tonality and color gradations. It supports high-speed continuous shooting and full HD 1080p video recording, making it a versatile tool for various photographic needs.

2. SETUP

2.1. Unpacking the Camera

Carefully remove all components from the packaging. The box should contain:

- Camera Body Only
- Eyecup Eb
- Battery Pack LP-E6
- Battery Charger LC-E6
- Wide Strap EW-EOS 70D
- USB Interface Cable IFC-130U
- EOS Digital Solution Disk & Software Instruction Manual CD
- Camera Instruction Manual

2.2. Attaching the Lens

The Canon EOS 70D is compatible with all Canon EF and EF-S lenses. To attach a lens:

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 index mark on the camera body.
3. Turn the lens clockwise until it clicks into place.

2.3. Inserting the Battery and Memory Card

The camera uses a Lithium Metal battery (LP-E6) and supports SD, SDHC, and SDXC memory cards, including Ultra High Speed (UHS-I) cards.

1. Open the battery compartment cover on the bottom of the camera.
2. Insert the charged Battery Pack LP-E6, ensuring the correct orientation. Close the cover.
3. Open the memory card slot cover on the side of the camera.
4. Insert the memory card with the label facing the back of the camera until it clicks into place. Close the cover.



Figure 1: Rear view of the Canon EOS 70D, highlighting the articulating touchscreen and control layout.

3. OPERATING THE CAMERA

3.1. Powering On and Basic Settings

Turn the power switch to the 'ON' position. The 3.0-inch articulating touch panel LCD screen will activate. You can navigate menus and settings using the touchscreen or physical buttons.

3.2. Photography Features

- **Sensor and Processor:** The 20.2 MP APS-C CMOS sensor combined with the DIGIC 5+ image processor ensures high-quality images with minimal noise.
- **Autofocus System:** Features a 19-point all cross-type AF system for precise focusing. Dual Pixel CMOS AF enables fast and smooth autofocus during Live View and video recording.
- **ISO Sensitivity:** Offers an ISO range of 100-12800, expandable to 25600 in H mode, for excellent performance in

various lighting conditions.

- **Continuous Shooting:** Capture fast-moving subjects with up to 7 frames per second (fps) shooting.
- **Intelligent Viewfinder:** Provides approximately 98% field of view with an electronic overlay for essential shooting information.
- **Built-in Flash:** Integrated Speedlite transmitter and hot shoe for external flash units.
- **Scene Intelligent Auto Mode:** Automatically analyzes the scene and optimizes settings for the best exposure.
- **Creative Filters:** Apply seven different creative filters (e.g., Grainy Black and White, Soft Focus, Miniature Effect) in real-time or during post-processing.



Figure 2: Front view of the Canon EOS 70D camera body with the lens cap attached.

3.3. Video Recording Features

- **Full HD Movie Mode:** Records 1080p HD video at 30, 25, or 24 fps, and 720p HD video at 60 or 50 fps (H.264/MPEG-4/MOV format).
- **Movie Servo AF:** Provides continuous autofocus tracking of moving subjects during video recording, ensuring sharp focus.
- **Movie Digital Zoom:** Magnify the center of the image by approximately 3x-10x when shooting in Full HD.
- **Audio Control:** Features an internal stereo microphone and a wind filter. Audio recording levels can be manually or automatically controlled, with a built-in attenuator to prevent clipping.
- **Video Snapshot:** Capture short video clips (2, 4, or 8 seconds) and combine them into a highlights album directly in-camera.

Video Recording Time and File Size (Approximate)

Recording Size	Total Recording Time (Approx. min.)	File Size (Approx. MB/min.)	8GB Card	16GB Card
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Recording Size	Total Recording Time (Approx. min.)	File Size (Approx. MB/min.)	8GB Card	16GB Card
1920 x 1080 30 fps IPB	32	235	32	64
1920 x 1080 30 fps All-I	11	685	11	22
1280 x 720 60 fps IPB	37	205	37	74

3.4. Connectivity and Other Features

- **Built-in Wi-Fi:** Enables instant sharing and remote control via the Canon EOS Remote app (iOS/Android).
- **GPS Compatible:** With the optional GPS Receiver GP-E2, record location data (latitude, longitude, altitude) and track movement.
- **Image Rating:** Organize images by rating them from one to five stars for easier browsing and management.

4. MAINTENANCE

4.1. Cleaning the Camera

- **Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, use a cloth lightly dampened with water.
- **Lens:** Use a lens blower to remove dust. For smudges, use a lens brush and lens cleaning solution with a microfiber cloth.
- **Sensor:** For sensor cleaning, it is recommended to use the camera's built-in sensor cleaning function or consult a professional service.

4.2. Battery Care

- Always use the provided Battery Charger LC-E6 to charge the Battery Pack LP-E6.
- Store batteries in a cool, dry place when not in use.
- Avoid fully discharging the battery frequently to prolong its lifespan.

4.3. Storage

When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, ideally in a camera bag with desiccant packets to prevent mold and mildew.

5. TROUBLESHOOTING

This section provides solutions to common issues. For more detailed troubleshooting, please refer to the full user manual PDF.

5.1. Common Issues and Solutions

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted. Check if the battery compartment cover is securely closed.
- **Images are blurry:** Check focus mode (autofocus/manual focus). Ensure sufficient lighting. Clean the lens. Use a higher shutter speed or image stabilization if available.
- **Memory card error:** Ensure the memory card is inserted correctly. Try reformatting the card (this will erase all data). Try a different compatible memory card.
- **Flash does not fire:** Check flash settings. Ensure the flash is enabled and not in a mode that suppresses it (e.g., Silent Mode).

6. SPECIFICATIONS

- **Product Dimensions:** 5.47 x 3.09 x 4.11 inches
- **Item Weight:** 1.66 pounds
- **ASIN:** B00DMS0GTC
- **Item Model Number:** 8469B002
- **Batteries:** Lithium Metal batteries required (included)
- **Compatible Mountings:** Canon EF, Canon EF-S
- **Aspect Ratio:** 16:9, 1:1, 3:2, 4:3
- **Photo Sensor Technology:** CMOS
- **Supported File Format:** JPEG: Fine, Normal., RAW: RAW, M-RAW, S-RAW (14bit)
- **Image Stabilization:** No (body only, lens dependent)
- **Maximum Focal Length:** 55 Millimeters (lens dependent)
- **Optical Zoom:** 3 x (lens dependent)
- **Maximum Aperture:** 2.8 f (lens dependent)
- **Expanded ISO Minimum:** 100
- **Metering Description:** Multi, Center-weighted, Spot, Partial

7. WARRANTY & SUPPORT

7.1. Warranty Information

The Canon EOS 70D Digital SLR Camera (Body Only) comes with a One Year Limited Warranty. Please refer to the included 'One Year Limited Warranty Card' for full terms and conditions.

7.2. Additional Support

For further assistance, detailed instructions, or software, please refer to the official Canon EOS 70D User Manual (PDF) available online or on the provided 'EOS Digital Solution Disk & Software Instruction Manual CD'.

You can also visit the official [Canon Store](#) for product information and support resources.