

Nikon D70

Nikon D70 Digital Camera User Manual

Model: D70

1. INTRODUCTION

The Nikon D70 is a digital SLR camera designed for a wide range of users. It features a DX format 6.1-effective megapixel CCD sensor, optimized for sharpness and clarity, producing images up to 3008 x 2000 pixels. The camera's advanced system LSI processor enhances performance, color reproduction, auto white balance, and reduces digital noise in long exposure shots. The D70 offers fast operation, including quick startup and rapid processing of compressed NEF (RAW) files. It can capture images at 3 frames per second for continuous shooting.

Key features include a built-in Speedlight flash, a 1/8000 second shutter speed, various auto modes (Portrait, Landscape, Close-Up, Sports, Night Portrait, Night Landscape), 25 customizable settings, a creative lighting system with 3D Color Matrix meter, and a 1.8-inch LCD viewing screen. It supports multiple file formats such as NEF (RAW), TIFF, and JPEG. The camera utilizes a 5-area AF system with predictive focus tracking for quick and sharp focus. Images are stored on CompactFlash (Type I/II) or Microdrive memory cards. Connectivity is provided via USB 1.1. The D70 is powered by a rechargeable EN-EL3 lithium-ion battery or three CR2 lithium batteries (with MS-D70 holder). Its dimensions are 5.5 x 4.4 x 3.1 inches, and it weighs 21 ounces (body only).

2. CAMERA COMPONENTS

Familiarize yourself with the main components of your Nikon D70 camera.



Figure 2.1: Front View. This image displays the front of the Nikon D70 camera body, highlighting the F-mount lens attachment, the built-in flash unit, and the ergonomic grip.



Figure 2.2: Top View. This image shows the top panel of the Nikon D70, featuring the mode dial, shutter release button, command dials, and the monochrome LCD information panel.



Figure 2.3: Rear View. This image illustrates the back of the Nikon D70, including the 1.8-inch color LCD monitor, viewfinder, and various control buttons for menu navigation and image playback.



Figure 2.4: Bottom View. This image displays the bottom of the Nikon D70, showing the battery compartment cover and the tripod socket.

3. INITIAL SETUP

3.1. Charging and Inserting the Battery

1. Insert the EN-EL3 Li-ion battery into the MH-18 charger.
2. Connect the charger to a power outlet. The charging indicator will illuminate.
3. Once charging is complete, remove the battery from the charger.
4. Open the battery chamber cover on the bottom of the camera.
5. Insert the charged EN-EL3 battery into the chamber, ensuring correct orientation. Close the cover securely.
6. Alternatively, use the MS-D70 battery holder with three CR2 lithium batteries.

3.2. Inserting a Memory Card

1. Locate the CompactFlash card slot on the side of the camera.
2. Open the card slot cover.
3. Insert a CompactFlash (Type I or II) or Microdrive memory card into the slot with the correct orientation until it clicks into place.
4. Close the card slot cover.

3.3. Attaching a Lens

1. Remove the body cap from the camera and the rear lens cap from the lens.
2. Align the mounting mark on the lens with the mounting mark on the camera body (typically a white dot).
3. Rotate the lens counter-clockwise until it clicks into place.
4. To remove the lens, press the lens release button on the camera body and rotate the lens clockwise.

4. BASIC OPERATION

4.1. Powering On/Off

To power on the camera, rotate the power switch located around the shutter release button to the 'ON' position. To power off, rotate it to 'OFF'.

4.2. Shooting Modes

The mode dial on the top of the camera allows selection of various shooting modes:

- **P (Programmed Auto):** Camera sets both shutter speed and aperture for optimal exposure.
- **S (Shutter-Priority Auto):** User selects shutter speed, camera sets aperture.
- **A (Aperture-Priority Auto):** User selects aperture, camera sets shutter speed.
- **M (Manual):** User controls both shutter speed and aperture.
- **Scene Modes:** Includes Portrait, Landscape, Close-Up, Sports, Night Portrait, and Night Landscape for specific shooting situations.

4.3. Focusing

The D70 features a 5-area AF system. Focus modes can be selected via the camera's menu. Half-press the shutter button to activate autofocus.

4.4. Exposure Control

The camera uses a 3D Color Matrix meter with a 1,005-pixel RGB Sensor for accurate exposure measurement. Exposure compensation can be adjusted using the appropriate button and command dial.

4.5. Using the Built-in Flash

The built-in Speedlight flash will automatically pop up and fire in certain auto modes or can be manually activated. Flash modes can be adjusted via the menu.

4.6. ISO Sensitivity

ISO sensitivity can be set from 200 to 1600, expandable to 3200, to adjust for varying light conditions. Higher ISO settings increase sensitivity but may introduce more digital noise.

4.7. File Formats

The D70 supports NEF (RAW), TIFF, and JPEG formats (Basic, Normal, Fine quality settings). A JPEG + NEF combination is also available.

5. MAINTENANCE

5.1. Cleaning the Camera

- Use a blower brush to remove dust from the lens and camera body.
- For stubborn smudges on the lens, use a soft, clean lens cloth and a small amount of lens cleaning fluid.
- Wipe the camera body with a soft, dry cloth. Avoid using harsh chemicals.
- Clean the LCD monitor with a soft, lint-free cloth.

5.2. Storage

When not in use for extended periods, store the camera in a cool, dry place away from direct sunlight. Remove the battery to prevent leakage. Use desiccant packets to absorb moisture if storing in humid environments.

6. TROUBLESHOOTING

6.1. Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check if the battery contacts are clean.
- If using CR2 batteries, ensure they are new and correctly oriented.

6.2. Cannot Take Pictures

- Verify that a memory card is inserted and has available space.
- Check if the lens is properly attached.

- Ensure the camera is in a valid shooting mode (not playback or menu).
- If the focus indicator is not green, the camera may not be able to achieve focus. Try focusing manually or on a different subject.

6.3. Images Are Blurry

- Check the focus mode and ensure the camera is focusing correctly.
- Ensure the shutter speed is fast enough to prevent camera shake, especially in low light or with long lenses.
- Clean the lens if smudges are present.

6.4. Flash Does Not Fire

- Check flash settings in the camera menu.
- Ensure the flash is popped up if required.
- The flash may not fire if the battery level is low.

7. SPECIFICATIONS

Feature	Specification
Model Name	Nikon D70
Sensor Type	DX Format CCD
Effective Pixels	6.1 Megapixels
Image Resolution	3008 x 2000, 2240 x 1488, 1504 x 1000
Lens Mount	Nikon F-Mount
Shutter Speed	1/8000 to 30 seconds, Bulb
ISO Sensitivity	200-1600 (expandable to 3200)
Autofocus System	5-area AF system with predictive focus tracking
Metering System	3D Color Matrix, Center-weighted, Spot
Continuous Shooting	Up to 3 frames per second
LCD Monitor	1.8-inch TFT Color LCD (130,000 dots)
Storage Media	CompactFlash (Type I/II), Microdrive
File Formats	NEF (RAW), TIFF, JPEG (Basic, Normal, Fine)
Connectivity	USB 1.1
Battery	Rechargeable Li-ion Battery EN-EL3, or three CR2 batteries (with MS-D70 holder)

Feature	Specification
Dimensions (W x H x D)	Approx. 5.5 x 4.4 x 3.1 inches (140 x 111 x 78 mm)
Weight	Approx. 21 ounces (600 g) body only, without battery or memory card

8. WHAT'S IN THE BOX

The standard package for the Nikon D70 Digital Camera includes:

- Nikon D70 Camera Body
- Strap
- Body Cap
- Eyepiece Cap
- LCD Monitor Cover
- USB Cable
- A/V Cable
- Rechargeable Li-ion Battery EN-EL3
- Battery Charger MH-18
- CR2 Battery Holder MS-D70
- Picture Project CD-ROM

9. WARRANTY AND SUPPORT

For information regarding warranty coverage, technical support, or service, please refer to the warranty card included with your product or visit the official Nikon support website. Contact details for customer service are typically available on the manufacturer's website.

© 2023 Nikon Corporation. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question