Nikon D80

Nikon D80 Digital Camera Instruction Manual

Model: D80

INTRODUCTION

This instruction manual provides essential information for the safe and effective use of your Nikon D80 Digital SLR Camera. Please read this manual thoroughly before using the camera to ensure proper operation and to maximize its performance. Keep this manual accessible for future reference.

WHAT'S IN THE BOX

Upon opening your Nikon D80 package, verify that all components are present:

- Nikon D80 Camera Body
- Rechargeable Li-ion Battery
- Battery Charger
- USB Cable
- Body Cap
- Neck Strap
- Instruction Manual (this document)

Image: Contents of the Nikon D80 package, including the camera body, neck strap, and documentation.

Image: Included documentation and software for the Nikon D80 camera.

SETUP

1. Charging the Battery

Before initial use, fully charge the supplied rechargeable Li-ion battery. Insert the battery into the charger and connect the charger to a power outlet. The charging indicator will show the charging status. A full charge typically takes approximately 2 hours.

Image: Nikon battery charger, battery, and USB cable.

2. Inserting the Battery

Open the battery chamber cover located at the bottom of the camera. Insert the charged battery with the contacts facing the correct direction, then close the cover securely.

3. Inserting a Memory Card

The Nikon D80 uses SD (Secure Digital) memory cards. Open the memory card slot cover on the side of the camera. Insert an SD card into the slot until it clicks into place. Ensure the card is inserted correctly to avoid damage. The camera supports SD cards up to 32 GB.

4. Attaching the Neck Strap

Thread the ends of the neck strap through the strap eyelets on the camera body. Secure the strap as shown in the strap's individual instructions to prevent accidental drops.

5. Attaching a Lens

The Nikon D80 uses Nikon F-mount lenses. Remove the body cap from the camera and the rear cap from the lens. Align the mounting marks on the lens with the corresponding mark on the camera body. Rotate the lens counter-clockwise until it clicks into place. Do not force the lens. Ensure the camera is powered off before attaching or detaching a lens.

Image: Front view of the Nikon D80 camera body.

OPERATING THE CAMERA

1. Power On/Off

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

2. Basic Controls Overview

Image: Rear view of the Nikon D80 camera, highlighting the LCD and control layout.

- **Shutter Release Button:** Press halfway to focus, fully to take a picture.
- **Mode Dial:** Selects shooting modes (e.g., Auto, Program, Shutter-priority, Aperture-priority, Manual).
- **Command Dials:** Used to adjust settings like aperture, shutter speed, and menu navigation.
- **Multi-selector:** For navigating menus and selecting autofocus points.
- **LCD Monitor:** Displays menus, settings, and image playback. (2.5 inches)

3. Selecting a Shooting Mode

Rotate the mode dial to choose your desired shooting mode. The D80 offers both**Automatic** and **Manual** exposure control options, along with various scene modes for specific situations.

4. Focusing

The D80 features an 11-point autofocus system with Phase Detection technology. You can select between automatic AF (AF-A) or manual focus. To autofocus, press the shutter release button halfway. The camera will lock focus on the subject.

5. Adjusting Exposure

Exposure can be controlled manually or automatically. The camera offers Matrix, Center-weighted, and Spot

metering methods to evaluate scene brightness.

6. White Balance

Set the white balance according to the light source to ensure accurate color reproduction. Options include Auto, Cloudy, and Flash torch, among others.

7. Using the Built-in Flash

The D80 has a built-in flash with Fill Flash mode. To activate, press the flash button. The flash sync speed is 1/200s.

8. Image Playback

Press the playback button to review captured images on the 2.5-inch color LCD screen. Use the multi-selector to scroll through images.

9. Connecting to a Computer

Use the supplied USB cable to connect the camera to a computer. This allows for image transfer. The camera has one USB 2.0 port.

MAINTENANCE

- **Cleaning the Camera Body:** Use a soft, dry cloth to wipe the camera body. For stubborn dirt, lightly dampen the cloth with water. Avoid using organic solvents.
- **Cleaning the Lens and Sensor:** Use a blower brush to remove dust from the lens and sensor. For smudges on the lens, use a lens cleaning solution and a microfiber cloth. Sensor cleaning should be performed with caution or by a professional.
- **Battery Care:** Store batteries in a cool, dry place when not in use. Avoid extreme temperatures. Do not short-circuit or disassemble batteries.
- **Storage:** When storing the camera for extended periods, remove the battery and memory card. Store the camera in a dry, well-ventilated area, away from direct sunlight and high humidity.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Camera does not turn on	Battery is depleted or incorrectly inserted.	Charge the battery fully and ensure it is inserted correctly.
Cannot take pictures	Memory card is full, locked, or not inserted. Lens cap is on.	Replace/format memory card, unlock card, insert card. Remove lens cap.
Images are blurry	Incorrect focus, camera shake, or dirty lens.	Ensure proper focus. Use a faster shutter speed or tripod. Clean the lens.
Flash does not fire	Flash is disabled or in a mode where it won't fire.	Check flash settings and ensure it's enabled or in an appropriate mode.

SPECIFICATIONS

- **Model:** Nikon D80

- **Camera Type:** Digital SLR Camera

- **Megapixels:** 10.2 MP Effective Still Resolution

- **Photo Sensor Type:** CMOS, APS-C size

- **Compatible Mountings:** Nikon F

- **LCD Screen Size:** 2.5 inches (Color LCD)

- **Memory Type:** SD (Secure Digital), up to 32 GB supported

- **ISO Sensitivity:** Expanded ISO Minimum 100 (range typically 100-3200)

- **Shutter Speed:** Max 0.00025 seconds, Min 0.00025 seconds (Note: Typical minimum shutter speeds are longer for DSLRs, please refer to official Nikon documentation for precise range)

- **Continuous Shooting:** 3 FPS

- **Autofocus Points:** 11

- **Metering Methods:** Matrix, Center-weighted, Spot

- **Flash:** Built-In, Fill Flash mode, Sync Speed 1/200s

- **Connectivity:** USB 2.0

- **Weight:** 590 Grams (Item Weight)

- **Power Source:** Rechargeable Li-ion Battery

WARRANTY AND SUPPORT

Warranty information for your Nikon D80 camera is typically provided with your purchase documentation. Please refer to the warranty card or contact your retailer for details regarding coverage and terms.
For further technical support, product updates, or service inquiries, please visit the official Nikon website or contact Nikon customer service in your region. You can find more information at the Nikon Store.