

Nikon D7000

Nikon D7000 Digital SLR Camera Instruction Manual

Model: D7000

INTRODUCTION

This manual provides detailed instructions for the safe and effective use of your Nikon D7000 16.2 Megapixel Digital SLR Camera. The Nikon D7000 is designed to deliver stunning images with sharp resolution and smooth tonal gradation, featuring a 16-megapixel DX-format CMOS image sensor and a powerful EXPEED 2 image processing engine. It offers a wide ISO range, a 39-point AF system, and Full HD 1080p video capabilities.

WHAT'S IN THE BOX

Upon unboxing your Nikon D7000, please ensure all the following components are present:

- Nikon D7000 DSLR Camera Body
- Nikon 18-105mm DX VR Lens (if purchased as a kit)
- EN-EL15 Lithium-Ion Battery
- MH-25 Quick Charger
- Camera Strap
- USB Cable
- Audio Video Cable
- DK-5 Eyepiece Shield (Replacement)
- BM-11 LCD Monitor Cover
- BF-1B Body Cap
- BS-1 Hot-Shoe Cover
- View NX 2 CD-ROM
- User's Manual (this document)

SETUP

1. Battery Installation and Charging

Insert the EN-EL15 Lithium-Ion Battery into the camera's battery compartment. Use the MH-25 Quick Charger to fully charge the battery before first use. A full charge allows for approximately 1,050 frames based on CIPA standards.

2. Memory Card Installation

The D7000 features twin SD card slots. Insert compatible SD/SDHC/SDXC memory cards (not included) into the slots. You can configure the camera to record sequentially, simultaneously to both cards, or separate RAW and JPEG files to different cards.

3. Attaching the Lens

Align the mounting mark on the lens with the mounting mark on the camera body. Rotate the lens counter-clockwise until it clicks into place. Ensure the lens is securely attached before operation.



Image: Nikon D7000 camera with the 18-105mm lens attached, showcasing the camera's front and side profile.

OPERATING THE CAMERA

1. Power On/Off and Shutter Release

The D7000 has a super-fast power-up time, allowing it to be ready for shooting almost instantly. The split-second shutter release lag (approx. 0.052-second) ensures you capture fleeting moments without delay.

2. Image Quality and Sensor

Equipped with a 16.2 effective megapixel DX-format CMOS image sensor and the EXPEED 2 image processing engine, the D7000 produces images rich in tone and detail. It supports 14-bit A/D conversion for superior image integrity.

3. ISO Sensitivity

The camera offers a wide ISO range from 100 to 6400, expandable to 25,600. This allows for shooting in various lighting conditions, from bright daylight to low-lit evenings, with minimized color noise.

4. Autofocus System

The D7000 features a powerful 39-point AF system with nine cross-type sensors, covering a wide area of the frame for flexible compositional possibilities. It includes 3D tracking for continuously following moving subjects and Auto-area AF for automatic subject detection.

5. Continuous Shooting

Capture fast-paced action with continuous shooting at approximately 6 frames per second (fps) for up to 100 shots, ensuring you don't miss critical moments.

6. D-Movie (Video Recording)

Record Full HD 1080p videos with full-time autofocus and manual exposure control. The camera also supports high-quality stereo sound recording via an external microphone jack. The video below provides an overview of the Nikon D7000's capabilities.

Your browser does not support the video tag.

Video: An official overview of the Nikon D7000, highlighting its key features and performance in various shooting scenarios. Duration: 2 minutes, 7 seconds.

7. LCD Monitor

The camera features an expansive 3-inch VGA LCD monitor with reinforced glass and approximately 921k-dot resolution. Its wide 170° viewing angle and bright display make it easy to review images and confirm settings.



Image: Rear view of the Nikon D7000, displaying the high-resolution LCD screen and the intuitive layout of control buttons.

8. Active D-Lighting

Nikon's exclusive Active D-Lighting preserves details in both highlights and shadowy areas, even in high-contrast scenes. The EXPEED 2 engine renders scenes with smoother tones, and the camera can automatically adjust or bracket settings.

9. White Balance

The intelligent Auto White Balance (AWB) algorithm ensures accurate white rendition under various light sources, including challenging mercury vapor lighting. An additional AWB mode maintains incandescent warmth in images.

10. Picture Control

Customize the look of your images by selecting from various Picture Control settings: Standard, Neutral, Vivid, Monochrome, Landscape, and Portrait. You can also adjust parameters like sharpness and saturation and save them as Custom Picture Controls.

11. Viewfinder

The viewfinder offers approximately 100% frame coverage, ensuring that what you see is precisely what is captured. The bright image and precision-crafted screen aid in confirming focus.

12. Shutter Unit

The D7000's durable shutter unit is tested for 150,000 cycles, offering a shutter speed range of 1/8000 to 30 seconds and a top flash synchronization speed of 1/250 second.

13. Controls and Dials

Controls are strategically placed for streamlined operation. The exposure mode dial and release mode dial are stacked for easy access. A quiet shutter release mode is available for near-silent operation, and one-touch Live View and movie recording are simplified.

14. Electronic Virtual Horizon

Especially useful for landscape photography, the virtual horizon displayed on the LCD helps you ensure the camera is level. This feature can also be used during Live View shooting.

15. Nikon Creative Lighting System (CLS)

The built-in pop-up flash covers a 16mm lens perspective and is fully compatible with Nikon's CLS. It delivers well-balanced i-TTL flash exposures and offers Commander mode for triggering remote flash units using Advanced Wireless Lighting.

16. Power Management

Nikon engineers designed the D7000 for maximum performance with minimized power usage. With the EN-EL15 battery, you can capture approximately 1,050 frames on a single charge.

17. Optional Accessories

The dedicated Multi-Power Battery Pack MB-D11 (sold separately) extends battery life, allowing for over 2,010 shots. It also features a shutter release button, command dials, and a multi-selector for vertical composition and improved camera balance with long telephoto lenses.

18. ViewNX 2 Software

The included ViewNX 2 software is an all-in-one imaging toolbox for browsing, organizing, editing, storing, and sharing photos and movies. It offers features like resizing, cropping, rotating, straightening, and red-eye correction.

MAINTENANCE

To ensure the longevity and optimal performance of your Nikon D7000, follow these general maintenance guidelines:

- **Cleaning:** Regularly clean the camera body with a soft, dry cloth. For the lens, use a lens brush or blower to remove dust, followed by a lens cleaning solution and a microfiber cloth. Avoid touching the sensor directly.
- **Dust and Moisture:** The D7000 features durable sealing against moisture and dust. However, it is not waterproof. Avoid exposing the camera to heavy rain, sand, or excessive humidity.
- **Storage:** When not in use, store the camera in a dry, cool place, ideally in a camera bag with desiccant packets to prevent mold and mildew. Remove the battery if storing for extended periods.
- **Lens Care:** Always keep lens caps on when the lens is not in use. Avoid sudden temperature changes that

can cause condensation.

TROUBLESHOOTING

If you encounter any issues with your Nikon D7000, please refer to the detailed troubleshooting section in the full user manual provided on the View NX 2 CD-ROM. For persistent problems or technical assistance, please contact Nikon customer support.

SPECIFICATIONS

Feature	Specification
Brand	Nikon
Model Name	Nikon D7000
Photo Sensor Resolution	16.2 MP
Photo Sensor Size	APS-C
ISO Sensitivity	100-6400 (Expandable to 25600)
Autofocus Points	39
Continuous Shooting Speed	6 fps
Video Resolution	Full HD 1080p
Screen Size	3 Inches
Display Resolution	921,000 dots
Memory Slots	2 Secure Digital (SD)
Item Weight	1.7 Pounds (body only)
Compatible Mountings	Nikon F (FX), Nikon F (DX)

WARRANTY AND SUPPORT

The Nikon D7000 comes with a **1-Year Limited Warranty**. Please refer to the warranty card included in your product packaging for specific terms and conditions. For any support needs, including technical assistance, repairs, or warranty claims, please visit the official Nikon support website or contact their customer service department.

Legal Disclaimer: The product's serial number is recorded. A 14-day satisfaction guarantee and 90-day parts and labor warranty are provided by the seller for used products. The manufacturer's warranty may vary or be expired for used items. Please verify warranty details at the time of purchase.

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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

Answered questions about this manual

Why is the shutter button on my Nikon D7000 not working or failing to respond when pressed?

If the shutter on your Nikon D7000 cannot be pressed or does not respond, it is often due to the camera being unable to achieve focus or a setting conflict. Please check the following...

[Read full answer](#)