

## Nikon D7200

# Nikon D7200 DX-format DSLR Body User Manual

Model: D7200

## 1. INTRODUCTION

This manual provides detailed instructions for the setup, operation, and maintenance of your Nikon D7200 DX-format DSLR camera. The D7200 is designed for photographers seeking advanced performance, featuring a 24.2MP DX-format CMOS sensor, EXPEED 4 image processor, and robust connectivity options. Please read this manual thoroughly to ensure proper use and to maximize your camera's capabilities.

## 2. KEY FEATURES

- 24.2 MP DX-format CMOS image sensor
- No Optical Low-Pass Filter (OLPF) for enhanced sharpness
- 51-point autofocus system for precise focusing
- 6 frames per second (fps) shooting capacity for capturing fast action
- EXPEED 4 image processing for high-speed performance and image quality
- ISO Sensitivity: ISO 100 - 25,600 (expandable to 102,400)
- Built-in Wi-Fi and Near Field Communication (NFC) for instant sharing and remote control
- Full HD 1080p video recording at 60 fps

## 3. SETUP

### 3.1. What's in the Box

Upon unboxing your Nikon D7200, ensure all the following components are present:

- D7200 DX-format Digital SLR Body (Black)
- EN-EL15 Rechargeable Li-ion Battery

- MH-25a Battery Charger
- UC-E17 USB Cable
- AN-DC1 Camera Strap
- DK-5 Eyepiece Cap
- DK-23 Rubber Eyecup
- BF-1B Body Cap



Figure 3.1: Front view of the Nikon D7200 DX-format DSLR Body with the lens cap attached.

### 3.2. Battery and Memory Card Installation

Insert the EN-EL15 rechargeable Li-ion battery into the battery compartment located at the bottom of the camera. Ensure it clicks into place. Charge the battery using the MH-25a Battery Charger before first use. The D7200 supports SD/SDHC/SDXC memory cards and features two card slots for extended storage or backup. Insert memory cards into the designated slots until they click.



Figure 3.2: Front view of the Nikon D7200 DX-format DSLR Body with the lens removed, exposing the image sensor.

### 3.3. Lens Attachment

The Nikon D7200 uses the Nikon F mount. To attach a lens, align the mounting mark on the lens with the mounting mark on the camera body, then rotate the lens counter-clockwise until it locks into place. To detach, press the lens release button and rotate the lens clockwise.



Figure 3.3: Side view of the Nikon D7200 DX-format DSLR Body with a NIKKOR lens attached.

## 4. OPERATING THE CAMERA

### 4.1. Basic Controls and Dials

Familiarize yourself with the camera's main controls. The top panel features the mode dial, command dials, and information display. The rear panel includes the 3.2-inch LCD monitor, multi-selector, and various function buttons for menu navigation, playback, and settings adjustments.



Figure 4.1: Top view of the Nikon D7200 DX-format DSLR Body, showing the mode dial, hot shoe, and top LCD panel.



Figure 4.2: Back view of the Nikon D7200 DX-format DSLR Body, highlighting the LCD screen and control buttons.

## 4.2. Shooting Modes

The D7200 offers a variety of shooting modes accessible via the mode dial:

- **Auto:** Fully automatic mode for simple point-and-shoot operation.
- **P (Programmed Auto):** Camera sets aperture and shutter speed for optimal exposure.
- **S (Shutter-Priority Auto):** You set the shutter speed, camera sets aperture. Ideal for controlling motion blur.
- **A (Aperture-Priority Auto):** You set the aperture, camera sets shutter speed. Ideal for controlling depth of field.
- **M (Manual):** You control both aperture and shutter speed.
- **Effects:** Apply various creative effects to your photos.
- **Scene:** Pre-set modes for specific scenes (e.g., portrait, landscape).

## 4.3. Autofocus System

The D7200 features an advanced Multi-CAM 3500 II DX 51-point AF sensor, providing fast and accurate autofocus performance. This system includes 15 cross-type sensors for enhanced detection strength, even in low light conditions down to -3 EV. You can select various AF-area modes, including single-point AF, dynamic-area AF, 3D-tracking, and auto-area AF.

## 4.4. ISO Sensitivity

The camera's native ISO range is 100 to 25,600, allowing for excellent image quality in diverse lighting conditions. For extreme low-light situations, the ISO can be expanded up to BW1 (51,200) and BW2 (102,400) for monochromatic shooting.

## 4.5. Video Recording

The D7200 supports Full HD 1080p video recording at frame rates up to 60 fps. It offers advanced video features such as in-camera time-lapse, smooth exposure variations, and the ability to output uncompressed footage via HDMI. External microphone support is available for enhanced audio quality.

## 4.6. Wi-Fi and NFC Connectivity

The D7200 is equipped with built-in Wi-Fi and NFC (Near Field Communication) for seamless connectivity with compatible smart devices. Use the Nikon Wireless Mobile Utility app to transfer photos, browse images on the camera, and remotely control the D7200 from your smartphone or tablet.

## 5. MAINTENANCE

- **Cleaning:** Regularly clean the camera body with a soft, dry cloth. Use a blower brush to remove dust from the lens and sensor. Avoid touching the sensor directly.
- **Storage:** Store the camera in a cool, dry place away from direct sunlight and extreme temperatures. If storing for extended periods, remove the battery.
- **Battery Care:** Charge the battery regularly, even if not in use, to maintain its lifespan.

## 6. TROUBLESHOOTING

If you encounter issues with your D7200, consider the following general troubleshooting steps:

- **Camera not turning on:** Check if the battery is charged and correctly inserted.

- **Images are blurry:** Ensure the lens is properly focused and the shutter speed is appropriate for the lighting conditions. Check for lens smudges.
- **Memory card error:** Reinsert the memory card or try a different card. Ensure the card is not locked.
- **Connectivity issues:** Ensure Wi-Fi/NFC is enabled on both the camera and your smart device. Refer to the app's instructions.

For more detailed troubleshooting and error codes, please refer to the official Nikon D7200 User Manual PDF linked in the Support section.

## 7. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Name	Nikon D7200
Photo Sensor Resolution	24.2 MP
Photo Sensor Size	APS-C
Image Processor	EXPEED 4
ISO Sensitivity	100 - 25,600 (Expanded: 51,200, 102,400)
Autofocus Points	51 (Multi-CAM 3500 II DX)
Continuous Shooting Speed	6 fps
Video Resolution	Full HD 1080p at 60 fps
Screen Size	3.2 Inches
Connectivity	Wi-Fi, NFC, USB
Storage Media	SD/SDHC/SDXC (two slots)
Battery Type	EN-EL15 Rechargeable Li-ion Battery
Item Weight	1.5 Pounds
Dimensions (H)	4.21 inches
Lens Mount	Nikon F

## 8. WARRANTY AND SUPPORT

### 8.1. Warranty Information

The Nikon D7200 comes with a 1-year coverage for parts and 1-year coverage for labor. This warranty does not apply to the batteries and software drivers that accompany this product.

### 8.2. Official User Manual

For comprehensive details, advanced settings, and in-depth troubleshooting, please refer to the official Nikon D7200 User Manual (PDF): [Download PDF Manual](#)