

Nikon D4

Nikon D4 Digital SLR Camera Instruction Manual

Model: D4 (Body Only)

1. INTRODUCTION

This manual provides comprehensive instructions for the Nikon D4 16.2 MP CMOS FX Digital SLR camera. It covers essential information regarding camera setup, operation, maintenance, troubleshooting, and technical specifications to ensure optimal use of your device.

The Nikon D4 is a professional-grade digital single-lens reflex camera designed for high-speed performance and exceptional image quality, featuring a 16.2-megapixel FX-format CMOS sensor and full 1080p HD video capabilities.

2. SETUP

2.1 Unpacking and Checking Contents

Before using your Nikon D4 camera, ensure all supplied accessories are present. The standard package includes:

- AN-DC7 strap
- EN-EL18 Rechargeable Li-ion Battery
- MH-26 Battery Charger
- UC-E15 USB Cable
- USB Cable Clip
- BF-1B Body Cap
- UF-2 Connector cover for stereo mini plug cable
- UF-1 Connector cover for USB cable
- Nikon View NX2 CD ROM

- Transmitter Utility CD
- BS-2 Accessory Shoe Cover

Inspect all items for any signs of damage. If any items are missing or damaged, contact your retailer.

2.2 Battery Installation and Charging

The Nikon D4 uses an EN-EL18 rechargeable Li-ion battery. Ensure the battery is fully charged before first use.

1. Insert the EN-EL18 battery into the MH-26 Battery Charger.
2. Connect the charger to a power outlet. The charging indicator will illuminate.
3. Once charging is complete, the indicator will turn off. Remove the battery from the charger.
4. Open the battery chamber cover on the bottom of the camera.
5. Insert the charged battery into the camera, ensuring correct orientation, until it clicks into place.
6. Close the battery chamber cover securely.



Figure 2.2.1: Bottom view of the Nikon D4 camera, illustrating the battery compartment and serial number label.

2.3 Memory Card Installation

The D4 features dual memory card slots, supporting one CompactFlash (CF) card and one XQD memory card.

1. Locate the memory card slot cover on the right side of the camera.
2. Open the cover.
3. Insert the CF card into its designated slot with the correct orientation until it clicks.
4. Insert the XQD card into its designated slot with the correct orientation until it clicks.
5. Close the memory card slot cover securely.



Figure 2.3.1: Right side of the Nikon D4 camera, showing the memory card slot cover. This is where CompactFlash and XQD cards are inserted.

2.4 Attaching a Lens

The Nikon D4 is compatible with Nikon F (FX) mount lenses.

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.
3. Rotate the lens counter-clockwise until it clicks into place.



Figure 2.4.1: Front view of the Nikon D4 camera body, highlighting the F-mount for lens attachment.

2.5 Initial Power-On and Basic Settings

1. Turn the camera on using the power switch.
2. Follow the on-screen prompts to set the language, date, and time.

3. OPERATING THE CAMERA

3.1 Basic Photography

The Nikon D4 offers various modes and settings for capturing still images.

- **Power On/Off:** Use the power switch located around the shutter release button.
- **Shutter Release:** Press the shutter release button halfway to focus, then fully to take a picture.
- **Exposure Modes:** Select from Programmed auto (P), Shutter-priority auto (S), Aperture-priority auto (A), and Manual (M) using the mode button and command dials.
- **Focusing:** The camera features a 51-point AF system. Use the AF-ON button or the joystick-style sub-selector to select AF points and modes.
- **Metering:** Choose between Multi, Center-weighted, and Spot metering modes.
- **ISO Sensitivity:** Adjust ISO from 100 to 12,800 (expandable down to 50 and up to 204,800) for varying light conditions.
- **White Balance:** Set white balance for accurate color reproduction. Options include Auto, preset manual, and Kelvin temperature.
- **Picture Control:** Access six preset options (Standard, Neutral, Vivid, Monochrome, Landscape, Portrait) and up to nine customizable settings via the dedicated Picture Control button.
- **Continuous Shooting:** Achieve speeds of 10 or 11 frames per second in FX-format.
- **Built-in HDR:** Combine two exposures to create a single image with an extended dynamic range.



Figure 3.1.1: Top view of the Nikon D4 camera, displaying the top LCD panel and various control buttons for settings like mode, exposure compensation, and metering.

3.2 Video Recording (D-Movie)

The D4 supports Full HD (1080p) video recording with advanced controls.

- **Starting/Stopping Video:** Use the dedicated movie record button.
- **Multi-Area Mode:** Choose from FX, DX (1.5x crop), or 1920x1080 (2.7x crop) formats.
- **Manual Exposure Control:** Adjust aperture, shutter speed, and ISO during recording.

- **Audio Recording:** Attach an external microphone (e.g., ME-1 Stereo Microphone) for high-fidelity audio. Monitor audio levels using on-screen indicators and the headphone jack.
- **HDMI Output:** View footage on an external monitor or record uncompressed 8-bit 4.2.2 footage directly to an external recording device via the HDMI terminal.
- **Time-Lapse Shooting:** Set intervals and frame rates to create time-lapse movies.





Figure 3.2.1: Left side of the Nikon D4 camera, revealing the port covers for USB, HDMI, microphone input, and headphone output, essential for video recording and connectivity.

3.3 Live View and Menu Navigation

The D4 features a 3.2-inch, 921,000-dot LCD monitor for Live View shooting and menu access.

- **Live View Modes:** Switch between Photography Live View and Movie Live View.
- **Menu Access:** Press the MENU button to access camera settings. Navigate using the multi-selector and OK button.
- **Image Review:** Use the playback button to review photos and videos. Zoom in up to 46x for focus confirmation.



Figure 3.3.1: Rear view of the Nikon D4 camera, displaying the LCD monitor with the 'SHOOTING MENU' interface, illustrating menu navigation and settings adjustment.

3.4 Connectivity

The D4 offers various connectivity options for data transfer and remote control.

- **USB:** Connect the camera to a computer using the supplied UC-E15 USB cable for image transfer.
- **Optional WT-5A Wireless Transmitter:** This accessory enables secure, high-speed file transmission and remote camera functionality.
- **HTTP Mode:** Control camera functions, including Live View and video recording, via a web browser on a smartphone or tablet.
- **Image Transmission Mode:** Transmit images to an FTP server or computer.
- **Camera Control Pro 2:** Operate the D4 remotely from a computer, including simultaneous control of multiple D4/WT-5A combinations.

4. MAINTENANCE

Proper maintenance ensures the longevity and optimal performance of your Nikon D4 camera.

- **Cleaning the Camera Body:** Use a soft, dry cloth to clean the camera body. For stubborn dirt, a slightly dampened cloth can be used, followed by a dry cloth. Avoid using organic solvents.
- **Cleaning the Lens Mount:** Keep the lens mount free of dust and debris. Use a blower brush to remove loose particles. Avoid touching the electrical contacts.
- **Sensor Cleaning:** If dust spots appear on images, the image sensor may need cleaning. Nikon recommends professional sensor cleaning. For minor dust, a blower bulb can be used with caution.
- **Battery Care:** Store batteries in a cool, dry place when not in use. Avoid fully discharging batteries for extended periods.
- **Storage:** When storing the camera for extended periods, remove the battery and memory cards. Store the camera in a dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- **Firmware Updates:** Periodically check the Nikon website for available firmware updates to ensure your camera has the latest features and performance enhancements.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Nikon D4 camera.

- **Camera Does Not Power On:** Ensure the battery is fully charged and correctly inserted. Check if the battery chamber cover is securely closed.
- **Cannot Take Pictures:** Verify that a memory card is inserted and has sufficient free space. Check the focus mode and ensure the lens is properly attached.
- **Images Are Blurry:** Confirm that the lens is clean and properly focused. Check the shutter speed; a faster shutter speed may be needed in low light or for moving subjects. Ensure image stabilization (if available on the lens) is active if needed.
- **Memory Card Error:** Reinsert the memory card. If the error persists, try a different card. Ensure the card is compatible with the D4 (CF or XQD).
- **Flash Does Not Fire:** Check flash settings. Ensure the flash is enabled and not in a suppressed mode.
- **Poor Image Quality:** Review ISO settings (high ISO can introduce noise). Check white balance and exposure settings. Ensure the lens aperture is appropriate for the desired depth of field.

If you encounter issues not covered here or require further assistance, please refer to the Nikon support website or contact Nikon customer service.

6. SPECIFICATIONS

Key technical specifications for the Nikon D4 Digital SLR Camera:

Feature	Specification
Model Name	Nikon D4
Model Number	25482
Photo Sensor Resolution	16.2 MP
Photo Sensor Technology	CMOS
Photo Sensor Size	Full Frame (35mm)

Feature	Specification
Compatible Mountings	Nikon F (FX)
Expanded ISO Range	50 - 204,800 (Native: 100 - 12,800)
Autofocus Points	51
Continuous Shooting Speed	10/11 frames per second
Maximum Shutter Speed	1/8000 Seconds
Minimum Shutter Speed	30 seconds
Video Resolution	FHD 1080p
Screen Size	3.2 Inches
Display Resolution	921,000 dots
Memory Slots	1 CompactFlash (CF), 1 XQD
Battery Type	Lithium-Ion EN-EL18 rechargeable battery
Item Weight	2.95 Pounds (Body Only)
Connectivity Technology	USB, HDMI, Optional Wireless (WT-5A)
UPC	018208254828

7. WARRANTY AND SUPPORT

7.1 Warranty Information

The Nikon D4 camera comes with a One Year Limited Warranty. Please refer to the warranty card included with your product for specific terms and conditions. Keep your proof of purchase for warranty claims.

7.2 Customer Support

For technical assistance, service, or additional information, please visit the official Nikon support website or contact Nikon customer service in your region. Support resources often include FAQs, driver downloads, and service center locations.

