

Nikon D4S

Nikon D4S 16.2 MP CMOS FX Digital SLR Camera Instruction Manual

1. INTRODUCTION

The Nikon D4S is a high-performance 16.2 MP FX-format CMOS Digital SLR camera designed for professional use. It offers advanced speed, precision, and versatility for various shooting conditions. This manual provides essential information for setting up, operating, maintaining, and troubleshooting your camera to ensure optimal performance.

The D4S features rapid image processing with the EXPEED 4 engine, an extended ISO range for diverse lighting, and comprehensive video capabilities. It is built for durability and reliability, making it suitable for demanding assignments.

2. SETUP

2.1. Unpacking and Initial Inspection

Carefully unpack all components and verify that all items listed in the 'What's in the Box' section are present. Inspect the camera body and accessories for any signs of damage.

2.2. Attaching the Camera Strap

Attach the supplied AN-DC11 strap to the camera's strap lugs. Ensure it is securely fastened to prevent accidental drops.

2.3. Charging and Installing the Battery

The camera uses an EN-EL18a Rechargeable Li-ion Battery. Before first use, fully charge the battery using the MH-26a Battery Charger. Insert the charged battery into the camera's battery chamber, ensuring it clicks into place.

Video: Nikon Smart Tip: Spare Battery. This video provides a helpful tip on always having a fully charged spare battery for your DSLR to avoid interruptions during shooting sessions.

2.4. Inserting Memory Cards

The D4S supports both XQD and CF cards. Open the memory card slot cover and insert the cards into their respective slots until they click. Ensure the cards are correctly oriented.

2.5. Attaching a Lens

Remove the body cap from the camera and the rear cap from the lens. Align the mounting marks on the lens with those on the camera body, then rotate the lens counter-clockwise until it locks into place.



Image: Front angled view of the Nikon D4S DSLR camera with a lens attached, showcasing its robust build and ergonomic design.

3. OPERATING THE CAMERA

3.1. Power On/Off

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

3.2. Basic Shooting Controls

Familiarize yourself with the main controls:

- **Shutter-release button:** Press halfway to focus, fully to take a picture.
- **Mode dial:** Selects exposure mode (P, S, A, M).
- **ISO button:** Adjusts ISO sensitivity.
- **QUAL button:** Sets image quality and size.
- **WB button:** Adjusts white balance.



Image: Front view of the Nikon D4S DSLR camera body, highlighting the lens mount and grip.



Image: Rear view of the Nikon D4S DSLR camera, showing the LCD screen and various control buttons for navigation and settings adjustment.



Image: Top view of the Nikon D4S DSLR camera, displaying the top control panel, hot shoe, and mode dial.

3.3. Autofocus System

The D4S features a 51-point AF system and 3D Color Matrix metering III with a 91,000-pixel RGB sensor for fast and accurate autofocus. Utilize the new Group Area AF setting for faster initial subject capture by using five AF sensors as a single focus point. For viewfinder shooting, a custom setting allows toggling Face Detection on and off.

3.4. ISO Performance

Achieve noise-free shooting from ISO 100 to 25,600. The ISO range can be expanded to an equivalent of ISO

409,600 (Hi 4) for challenging low-light conditions.

3.5. Video Recording

Record stunning 1080/60p Full HD videos with high-fidelity stereo audio. The 2.7x Crop Mode extends the reach of lenses while maintaining video quality. Adjust audio settings in real-time during recording, including selectable sound ranges (Wide Range, Voice Range) and improved wind noise reduction. You can also capture 2MP stills simultaneously while recording video.

Video: Nikon Photo Tips: Shooting Videos. This video offers guidance on effectively using your Nikon camera for video recording.

3.6. Advanced Features

- **Image Area Modes:** Select from FX, DX, 1.5x, 5:4, and 1.2x while shooting stills in Live View.
- **RAW SIZE S:** A new setting for shooting smaller, more manageable 12-bit uncompressed Nikon NEF files, speeding up workflow.
- **Picture Control:** Enhanced tone curves deliver more depth and clearer color rendition in "Standard" mode.
- **Time Lapse:** Create smoother Time Lapse sequences with reduced flicker and improved interval control (up to 9,999 shots).
- **Wired LAN:** Transfer files up to 10x faster with new 1000 Base-T (Gigabit) wired LAN.

Video: Nikon Smart Tip: Additional Lenses. This video provides advice on selecting and utilizing additional lenses for your Nikon camera.

Video: Nikon Smart Tip: Pumpkin Patch Trip. This video offers creative photography tips for capturing moments during a pumpkin patch visit.

Video: Nikon Photo Tips: Holiday Lights. This video provides tips for photographing holiday lights effectively.

Video: Nikon Photo Tips: Family Holiday Portraits. This video offers advice on capturing memorable family portraits during the holiday season.

Video: Nikon Photo Tip: Shooting in Winter Weather. This video provides essential tips for using your camera in cold and snowy conditions.

Video: Nikon Smart Tip: Fall Photo Shoots. This video offers creative ideas and techniques for capturing beautiful autumn photographs.

Video: Nikon Smart Tip: Family Dinners. This video provides tips for capturing candid and appealing photos during family dinner gatherings.

4. MAINTENANCE

4.1. Cleaning the Camera

Regularly clean the camera body with a soft, dry cloth. For the lens and sensor, use specialized cleaning tools and solutions to avoid damage. Never use harsh chemicals or abrasive materials.

4.2. Storage

When not in use, store the camera in a dry, cool place away from direct sunlight and extreme temperatures. Remove the battery if storing for extended periods.

5. TROUBLESHOOTING

5.1. Common Issues and Solutions

- **Camera does not power on:** Ensure the battery is fully charged and correctly inserted.
- **Images are blurry:** Check focus settings, lens cleanliness, and shutter speed. Use a tripod in low light.
- **Memory card error:** Ensure the card is inserted correctly and is not full or damaged. Try reformatting the card (this will erase all data).
- **Flash not firing:** Check flash settings and ensure it is properly attached and charged.

For more complex issues, refer to the detailed troubleshooting section in the full user manual or contact Nikon support.

6. SPECIFICATIONS

Feature	Detail
Product Dimensions	6.3 x 3.58 x 6.18 inches
Item Weight	2.98 pounds
Item model number	1541
Batteries	1 Lithium Ion batteries required (included)
Compatible Mountings	Nikon F (FX)
Aspect Ratio	3:2
Photo Sensor Technology	CMOS
Supported File Format	NEF (12-bit or 14-bit, compressed or lossless compressed RAW), NEF + JPEG, TIFF, JPEG
Image Stabilization	No
Optical Zoom	1 x
Expanded ISO Minimum	50
Metering Description	Multi, Center-weighted, Spot
Brand	Nikon
Model Name	Nikon D4S

7. WHAT'S IN THE BOX

- D4S FX-format Digital SLR Camera Body
- EN-EL18a Rechargeable Li-ion Battery
- MH-26a Battery Charger
- USB Cable Clip

- HDMI Cable Clip
- UF-2 Connector Cover for stereo mini plug cable
- C-E15 USB Cable
- AN-DC11 Strap
- BF-1B Body Cap
- BS-2 Accessory Shoe Cover
- BL-6 Battery Chamber Cover
- DK-17 Eyepiece
- ViewNX 2 CD-ROM

8. WARRANTY AND SUPPORT

8.1. Legal Disclaimer

SERIAL #2038819 FULL 14 DAY NO HASSLE SATISFACTION GUARANTEE AND A 90 DAY PARTS AND LABOR WARRANTY.

8.2. Customer Support

For further assistance, technical support, or warranty claims, please visit the official Nikon website or contact their customer service department. Keep your purchase receipt and product serial number handy for faster service.

You can visit the [Nikon Store on Amazon](#) for more product information and accessories.