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Nikon D6 (Model 1624)

Nikon D6 DSLR Camera User Manual

Model: D6 (Model 1624)

1. PRODUCT OVERVIEW

The Nikon D6 is a professional-grade DSLR camera designed for exceptional speed, performance, reliability, and precision. It is equipped with a 20.8MP FX-format sensor and an EXPEED 6 image processor, enabling high-speed continuous shooting and UHD 4K video recording. Its advanced autofocus system ensures precise subject tracking in various conditions.



Figure 1.1: Nikon D6 DSLR Camera body and included accessories, such as the XQD card, battery, charger, cables, and cleaning kit.

Key features include:

- 20.8MP FX-Format CMOS Sensor for high-resolution imaging.
- EXPEED 6 Image Processor for fast performance and excellent image quality.
- Multi-CAM 37K 105-Point All Cross-Type AF system for superior autofocus precision.
- High-speed 14 fps continuous shooting.
- Extended ISO range up to 3280000 for low-light conditions.
- 4K UHD Video Recording at 30 fps.
- 3.2-inch 2.36m-Dot Touchscreen LCD Monitor for intuitive control.
- Built-In Wi-Fi, Bluetooth, and GPS for seamless connectivity and geotagging.

2. SETUP GUIDE

2.1. Unpacking and Initial Inspection

Carefully remove all components from the packaging. Verify that all items listed in the product bundle are present. Inspect the camera body and accessories for any signs of damage.

2.2. Battery Installation and Charging

1. Insert the Nikon EN-EL18c Rechargeable Lithium-Ion Battery into the MH-26aAK charger.
2. Connect the charger to a power outlet. The charging indicator will show the charging status. Charge the battery fully before first use.
3. Once charged, open the battery chamber cover on the bottom of the camera body and insert the battery, ensuring it clicks into place.



Figure 2.1: Front view of the Nikon D6 camera body, showing the lens mount and grip.

2.3. Memory Card Insertion

The Nikon D6 uses XQD memory cards. Locate the memory card slot cover on the side of the camera. Open the cover and gently insert the Sony 120GB G Series XQD Memory Card until it locks into place. Close the cover securely.

2.4. Attaching the Strap and Body Cap

Attach the AN-DC22 strap to the camera's strap lugs for secure handling. Ensure the BF-1B Body Cap is on the lens mount when a lens is not attached to protect the sensor from dust.

3. OPERATING INSTRUCTIONS

3.1. Powering On and Basic Settings

To power on the camera, rotate the power switch located around the shutter release button. The camera's rear LCD monitor will activate. Use the menu system to set the date, time, and language during initial setup.



Figure 3.1: Rear view of the Nikon D6, showing the LCD touchscreen, control buttons, and viewfinder.

3.2. Shooting Modes and Exposure Control

The D6 offers various shooting modes including Program (P), Aperture Priority (A), Shutter Priority (S), and Manual (M). These can be selected via the mode dial or menu. Exposure control is managed through settings like ISO sensitivity (100-102400 native, expandable to 3280000), aperture, and shutter speed.

3.3. Autofocus System

The Multi-CAM 37K autofocus system features 105 cross-type points. Select your desired AF-area mode (e.g., Single-point AF, Dynamic-area AF, Group-area AF) based on your subject and shooting scenario. The camera supports continuous-servo AF (AF-C) for tracking moving subjects.

3.4. Video Recording

To record video, switch to Live View mode and select the movie recording option. The D6 supports UHD 4K video recording at 30 fps. Ensure sufficient memory card space for video files.

3.5. Connectivity (Wi-Fi, Bluetooth, GPS)

The D6 features built-in Wi-Fi and Bluetooth for wireless image transfer to smart devices using the Nikon SnapBridge app. GPS functionality allows for geotagging images with location data.

4. MAINTENANCE AND CARE

4.1. Cleaning the Camera

Regularly clean the camera body with a soft, dry cloth. Use the included 6AVE Electronics TM Cleaning Set for lens and sensor cleaning, following proper procedures to avoid damage. Never use abrasive cleaners or solvents.

4.2. Battery Care

Store batteries in a cool, dry place when not in use. Avoid fully discharging the battery frequently to prolong its lifespan. Recharge batteries before extended storage.

4.3. Storage

When storing the camera for long periods, remove the battery and memory card. Store the camera in a dry, dust-free environment, ideally in the included camera bag, to protect it from moisture and impact.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Nikon D6 camera.

5.1. Camera Does Not Power On

- Ensure the battery is fully charged and correctly inserted.
- Check that the battery chamber cover is securely closed.
- If using an AC adapter (sold separately), ensure it is properly connected.

5.2. Images Are Blurry

- Verify that the lens is properly attached and clean.
- Check your focus mode and ensure the camera is focusing correctly on your subject.
- Increase shutter speed or use a tripod (like the included 12 Inch Flexible Tripod) to prevent camera shake, especially in low light.
- Ensure image stabilization (if using a VR lens) is enabled if needed.

5.3. Memory Card Error

- Ensure the XQD card is inserted correctly.
- Try formatting the memory card (this will erase all data, so back up first).
- Test with a different compatible XQD memory card if the issue persists.

5.4. Wi-Fi/Bluetooth Connection Issues

- Ensure Wi-Fi/Bluetooth is enabled on both the camera and your smart device.
- Restart both devices.
- Ensure the Nikon SnapBridge app is up to date on your smart device.

6. TECHNICAL SPECIFICATIONS

Nikon D6 Key Specifications

Feature	Specification
Sensor Type	20.8MP FX-Format CMOS Sensor
Image Processor	EXPEED 6
ISO Sensitivity	Native: 100-102400; Expanded: 50-3280000
Autofocus System	Multi-CAM 37K with 105 Cross-Type Points
Continuous Shooting	Up to 14 fps
Video Recording	UHD 4K (3840 x 2160) at 30 fps
Monitor	3.2-inch 2.36m-Dot Touchscreen LCD
Viewfinder	Optical Pentaprism, 0.72x Magnification
Memory Card Slots	Dual XQD Card Slots (120GB XQD card included)
Connectivity	Wi-Fi, Bluetooth, GPS, HDMI, USB
Dimensions (H x W x D)	Approx. 6.42 inches (height)
Weight	Approx. 7.88 Pounds (with battery and memory card)
Battery Type	Nikon EN-EL18c Lithium-Ion

7. WARRANTY AND SUPPORT

7.1. Warranty Information

This Nikon D6 DSLR Camera (Renewed) comes with a 90-day limited warranty. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

7.2. Customer Support

For technical assistance, troubleshooting beyond this manual, or warranty service, please contact the seller or refer to the official Nikon support resources. Detailed support information can often be found on the manufacturer's website.

For additional resources, you may visit the [Amazon Renewed Store](#).

