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Nikon A900

Nikon COOLPIX A900 Digital Camera User Manual

Model: A900

1. PRODUCT OVERVIEW

The Nikon COOLPIX A900 is a versatile digital camera designed for capturing high-quality photos and videos. It features a 20.0 Megapixel CMOS Image Sensor and a powerful 35x Optical Zoom NIKKOR Glass Lens, allowing for detailed shots from a distance. Its compact design makes it suitable for various shooting environments.

Key features include:

- 20MP 1/2.3" BSI CMOS Sensor for excellent image quality.
- NIKKOR f/3.4-6.9 ED Lens with a focal length equivalent to 24-840mm in 35mm format.
- 35x Optical Zoom, extendable to 70x Dynamic Fine Zoom.
- 3" 921k-Dot Tilting LCD for flexible viewing angles.
- UHD 4K Video Recording at 30 fps for high-resolution video capture.
- Built-in Wi-Fi, NFC, and Bluetooth Low Energy for seamless connectivity and image transfer.



Figure 1: Front view of the Nikon COOLPIX A900 Digital Camera. This image shows the lens, flash, and the Nikon branding.

2. GETTING STARTED: SETUP

2.1. Unpacking the Camera

Carefully remove all components from the packaging. The box should contain the Nikon COOLPIX A900 camera and its included battery.

2.2. Charging and Inserting the Battery

The camera uses an EN-EL12 Lithium Ion battery. Before first use, ensure the battery is fully charged.

1. Open the battery chamber cover on the bottom of the camera.
2. Insert the EN-EL12 battery, ensuring the correct orientation as indicated inside the compartment.
3. Close the battery chamber cover securely.
4. Connect the camera to the included AC adapter and power outlet using the USB cable to charge the battery. The charging indicator will show the charging status.

2.3. Inserting a Memory Card

The COOLPIX A900 supports SD, SDHC, and SDXC memory cards. A memory card is essential for storing photos and videos.

1. Locate the memory card slot, typically next to the battery compartment.
2. Insert the memory card with the label facing the correct direction until it clicks into place.
3. Close the cover.
4. *Note:* Format new memory cards in the camera before first use to ensure optimal performance. Refer to the camera's on-screen menu for the formatting option.

3. OPERATING THE CAMERA

3.1. Powering On/Off

Press the power button located on the top of the camera to turn it on or off.

3.2. Basic Photography

- Selecting a Shooting Mode:** Rotate the mode dial (located on top) to select your desired shooting mode (e.g., Auto, Scene, Program Auto).
- Framing Your Shot:** Use the 3-inch tilting LCD screen to compose your image. The screen can be tilted for high or low angle shots.
- Zooming:** Use the zoom lever around the shutter button to adjust the optical zoom (35x) or Dynamic Fine Zoom (70x).
- Focusing:** The camera uses Contrast Detection autofocus. Half-press the shutter button to focus. The focus area will illuminate when focus is achieved.
- Taking a Photo:** Fully press the shutter button to capture the image.



Figure 2: Angled view of the Nikon COOLPIX A900, highlighting the tilting LCD screen and top controls like the mode dial and zoom lever.

3.3. Video Recording

The COOLPIX A900 can record UHD 4K video at 30 frames per second.

1. Press the dedicated movie-record button to start recording.
2. Press the button again to stop recording.

3. For continuous autofocus during video recording, ensure the AF-F (Full-time AF) setting is enabled in the camera's menu.

3.4. Connectivity (Wi-Fi, NFC, Bluetooth)

The camera features SnapBridge compatibility for easy transfer of images to a smart device.

- Download the Nikon SnapBridge app to your smartphone or tablet.
- Follow the app's instructions to pair your camera via Bluetooth for an "always on" connection.
- Use Wi-Fi for faster transfer of larger files or for remote camera control.
- NFC can be used for quick pairing with compatible Android devices.

4. MAINTENANCE AND CARE

Proper maintenance ensures the longevity and optimal performance of your COOLPIX A900 camera.

- **Cleaning the Lens:** Use a soft, lint-free cloth specifically designed for camera lenses. Avoid touching the lens surface with your fingers.
- **Cleaning the Camera Body:** Wipe the camera body with a soft, dry cloth. For stubborn dirt, a slightly damp cloth can be used, followed by a dry one.
- **Storage:** When not in use, 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:** Recharge the battery regularly, even if not in frequent use, to maintain its capacity. Avoid fully discharging the battery before recharging.
- **Avoid Moisture:** The camera is not water-resistant. Keep it away from water and high humidity.

5. TROUBLESHOOTING

This section addresses common issues you might encounter with your Nikon COOLPIX A900.

Problem	Possible Cause / Solution
Camera does not power on.	Ensure the battery is fully charged and correctly inserted. Check if the battery contacts are clean.
Images are blurry.	Ensure the lens is clean. Check lighting conditions; low light can affect focus. Hold the camera steady or use a tripod, especially at high zoom levels. The camera has optical image stabilization, but extreme movement can still cause blur. Ensure the camera has properly focused before taking the shot (half-press shutter).
Video footage appears shaky.	While the camera has optical image stabilization, significant movement during recording (e.g., walking) can still result in noticeable shake. Try to minimize camera movement or use a gimbal/stabilizer for smoother footage.
Audio in videos is too low.	Check the audio recording settings in the camera's menu. Ensure the microphone is not obstructed. Consider external microphone options if available and higher quality audio is required.

Problem	Possible Cause / Solution
Cannot transfer photos via SnapBridge.	Ensure Bluetooth and Wi-Fi are enabled on both the camera and your smart device. Verify that the SnapBridge app is installed and updated on your device. Re-pair the camera and smart device if connection issues persist.

6. SPECIFICATIONS

Feature	Detail
Model Name	Nikon COOLPIX A900
Photo Sensor Resolution	20 MP
Photo Sensor Size	1/2.3-inch BSI CMOS
Optical Zoom	35x
Digital Zoom	4x (70x Dynamic Fine Zoom)
Lens	NIKKOR f/3.4-6.9 ED Lens (4.3-151mm, 24-840mm equivalent)
Image Stabilization	Optical
Video Resolution	4K UHD 2160p at 30 fps
Screen Size	3 Inches
Display Type	Tilting LCD (921,000 dots)
Connectivity	Wi-Fi, NFC, Bluetooth Low Energy, USB, HDMI
Supported File Formats	RAW, JPEG (images); MP4 (video); AAC, MP3 (audio)
Storage Media	SD, SDHC, SDXC, Internal memory
Battery Type	EN-EL12 Lithium Ion
Dimensions (approx.)	4.5 in. x 2.7 in. x 1.6 in. (excluding projections)
Weight (approx.)	10.56 ounces (with battery and memory card)

7. WARRANTY AND SUPPORT

For detailed warranty information, please refer to the warranty card included with your product or visit the official Nikon website.

If you require technical assistance, repairs, or have questions about your Nikon COOLPIX A900, please contact Nikon customer support. You can also find additional resources, including the full user manual, on the Nikon support website. A digital version of the User Guide is available here:[Nikon COOLPIX A900 User Guide \(PDF\)](#)

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