

Nikon AW120

Nikon COOLPIX AW120 Digital Camera User Manual

Model: AW120

1. INTRODUCTION

This manual provides essential instructions for the safe and effective use of your Nikon COOLPIX AW120 digital camera. The COOLPIX AW120 is a rugged, waterproof, shockproof, and freezeproof camera designed for outdoor adventures. It features a NIKKOR f/2.8 wide-angle lens, 16 million pixels, built-in GPS/GLONASS, altimeter, depth gauge, barometer, and Wi-Fi connectivity. Please read this manual thoroughly before using your camera and keep it in a safe place for future reference.

2. PRODUCT OVERVIEW

2.1 Key Features

- **NIKKOR Lens:** Bright f/2.8 lens with a 24mm equivalent wide-angle focal length (35mm format).
- **Rugged Design:** Waterproof, shockproof, and freezeproof for demanding outdoor environments.
- **Advanced GPS/GLONASS:** Fast and accurate positioning with altimeter, depth gauge, and barometric pressure display.
- **Full HD Video:** Records 1080p video with 5-axis hybrid image stabilization (VR).
- **Built-in Wi-Fi:** Easily connect to smart devices for sharing photos and remote control.
- **16 Million Pixels:** High-resolution imaging for detailed photos.

2.2 Camera Components

Familiarize yourself with the main parts of your camera.



Image 2.2.1: Front view of the Nikon COOLPIX AW120 Digital Camera. This image illustrates the camera's overall design, including the lens, flash, and grip. Specific component labels are not visible in this general product view.

Typical components include the lens, flash, shutter button, power button, mode dial, zoom control, LCD monitor, control pad, menu button, playback button, battery compartment, and memory card slot.

3. SETUP

3.1 Battery Installation and Charging

The camera uses one Lithium-ion battery (included). Ensure the battery is fully charged before first use.

1. Open the battery/memory card compartment cover on the side of the camera. Ensure the lock is disengaged.
2. Insert the battery with the correct orientation, matching the contacts.
3. Close the cover securely until it clicks into place and engage the lock.
4. Connect the camera to a power source using the supplied USB cable and AC adapter to charge the battery. The charging indicator will light up.



Image 3.1.1: Nikon COOLPIX AW120 Digital Camera. This image serves as a general illustration of the camera body where

the battery compartment is located, typically on the side or bottom.

3.2 Memory Card Insertion

The camera supports SD, SDHC, and SDXC memory cards (sold separately).

1. Open the battery/memory card compartment cover.
2. Insert the memory card into the slot with the correct orientation until it clicks.
3. Close the compartment cover securely and engage the lock.



Image 3.2.1: Nikon COOLPIX AW120 Digital Camera. This image illustrates the camera body, indicating the general area where the memory card slot is located, often shared with the battery compartment.

3.3 Initial Settings

Upon first power-on or after a battery change, you may need to set the date, time, and language. Follow the on-screen prompts to configure these settings.

4. OPERATING THE CAMERA

4.1 Power On/Off

Press and hold the **Power** button to turn the camera on or off.

4.2 Basic Photography

1. Turn on the camera.
2. Select a shooting mode using the mode dial or menu.
3. Frame your shot using the LCD monitor.
4. Press the **Shutter** button halfway to focus, then press fully to take a picture.

4.3 Video Recording

The COOLPIX AW120 can record Full HD (1080p) videos.

1. Press the dedicated **Movie Record** button to start recording.
2. Press the **Movie Record** button again to stop recording.

4.4 GPS and GLONASS Functions

The camera features built-in GPS and GLONASS for location data. This allows for faster positioning and improved accuracy, especially in challenging environments. Location data can be embedded in your photos and videos.

- To activate, navigate to the GPS settings in the camera menu.
- The camera can display altitude, depth, and barometric pressure.
- Log data can be recorded for tracking your outdoor activities.

4.5 Wi-Fi Connectivity

Connect your COOLPIX AW120 to a smart device (smartphone or tablet) via Wi-Fi using the Nikon Wireless Mobile Utility app.

1. Enable Wi-Fi on your camera via the menu.
2. On your smart device, connect to the camera's Wi-Fi network.
3. Use the app to transfer photos, control the camera remotely, and more.

5. MAINTENANCE

5.1 Cleaning

- **Camera Body:** Wipe with a soft, dry cloth. For stubborn dirt, use a cloth lightly dampened with water.
- **Lens:** Use a lens brush or blower to remove dust, then gently wipe with a lens cleaning cloth. Avoid touching the lens surface with your fingers.
- **LCD Monitor:** Use a soft, dry cloth.
- **Waterproof Seals:** Regularly inspect the rubber seals around the battery/memory card compartment for dirt or damage. Clean with a soft, lint-free cloth. Do not use alcohol or solvents.

5.2 Storage

- Remove the battery if the camera will not be used for an extended period.
- Store the camera in a cool, dry, well-ventilated area, away from direct sunlight and extreme temperatures.
- Avoid storing the camera with mothballs or other chemicals.

6. TROUBLESHOOTING

If you encounter issues with your camera, refer to the following common solutions:

Problem	Possible Cause / Solution
Camera does not turn on.	Battery is depleted or incorrectly inserted. Charge the battery or reinsert it correctly.
Lens fogging.	Condensation due to sudden temperature changes. Allow the camera to acclimatize to the environment. Avoid opening compartments in humid conditions.
Cannot take pictures.	Memory card is full, locked, or not inserted. Insert a new card, unlock the card, or insert it correctly.
Wi-Fi connection fails.	Ensure Wi-Fi is enabled on both camera and smart device. Check network settings and app permissions.
GPS data not acquired.	Camera is indoors or obstructed. Move to an open outdoor area. Acquisition may take longer in certain conditions.

7. SPECIFICATIONS

Key technical specifications for the Nikon COOLPIX AW120.

Feature	Detail
Item Model Number	AW120OR
Maximum Webcam Image Resolution	16 MP
Brand	Nikon
Expanded ISO Minimum	100

Feature	Detail
Optical Zoom	5x
Maximum Focal Length	140 Millimeters
Image Stabilization	Digital (5-axis hybrid VR for video)
Supported File Format	JPEG, RAW
Photo Sensor Technology	CMOS
Aspect Ratio	4:3
Compatible Mountings	Nikon 1 (Lens is fixed)
Item Weight	7.5 ounces
Batteries	1 Lithium Ion battery (included)
Date First Available	February 7, 2014

8. WARRANTY AND SUPPORT

For warranty information and customer support, please refer to the warranty card included with your product or visit the official Nikon website. Keep your proof of purchase for warranty claims. For technical assistance or service, contact Nikon customer support directly.

Nikon Official Website: www.nikonusa.com