Nikon

DIGITAL CAMERA

COOLPIX A900
Quick Start Guide

SnapBridge

Nikon
COOLPIX

En

- Read this manual thoroughly before using the camera.
- To ensure proper use of the camera, be sure to read "For Your Safety" (page viii).
- After reading this manual, keep it in a readily accessible place for future reference.

S SnapBridge

Your images. The world. Connected

Welcome to SnapBridge — Nikon's new family of services to enrich your image experience. SnapBridge eliminates the barrier between your camera and compatible smart device, through a combination of *Bluetooth*® low energy (BLE) technology and a dedicated app. The stories you capture with your Nikon camera and lenses are automatically transferred to the device as they are taken. They can even be uploaded effortlessly to cloud storage services, inviting access across all your devices. You can share your excitement, when and where you want.

Download the SnapBridge app to get started!

Take advantage of the wide-ranging convenience by downloading the SnapBridge app onto your smart device now. Through a few simple steps, this app connects your Nikon cameras with a compatible iPhone ®, iPad ® and/or iPod touch ® or smart devices running on the Android™ operating system. The app is available free from the website (http://snapbridge.nikon.com), Apple App Store® and Google Play™.

For the latest information on SnapBridge, visit the Nikon website for your area (□vi).

COOLPIX A900 Model Name: N1511

The exciting image experience that SnapBridge offers…

Automatic picture transfer from camera to smart device thanks to the constant connection between the two devices — making online photo sharing easier than ever

NIKON IMAGE SPACE

Upload of photos and thumbnail images to the NIKON IMAGE SPACE cloud service

A range of services that enriches your imaging life, including:

• Camera remote control

• Imprinting up to two pieces of credit information (e.g. copyright, comments, text and logos) on pictures

XXXXXXXX

Hawaii

• Automatic update of camera's date and time info and location info

• Receive camera's firmware updates

See from page 7 onwards for information on setting or using SnapBridge.

Introduction

Read This First

Thank you for purchasing the Nikon COOLPIX A900 digital camera.

Downloading the "Reference Manual"

The Reference Manual (PDF format) provides more details in various languages on how to use this camera. Use your smart device or computer to refer to it along with this manual. Download the Reference Manual from our Download Center at the URL below.
- The Reference Manual can be viewed using Adobe PDF Reader, iBooks, or other software. Adobe PDF reader can be downloaded from the Adobe website.

Downloading "ViewNX-i"

ViewNX-i is free software that enables you to transfer images and movies to your computer for viewing and editing. Download the software from our Download Center at the URL below.

Visit Our Download Center

Visit the website below to download the Reference Manual and software for this camera.
http://downloadcenter.nikonimglib.com

Scan this image with your smart device's QR code reader.

Nikon User Support

Should you need technical support, we offer a number of options.

Internet
For customers in the United States: www.nikonusa.com
For customers in Canada: www.nikon.ca (English), fr.nikon.ca (Français)
For customers in Mexico: www.nikon.com.mx
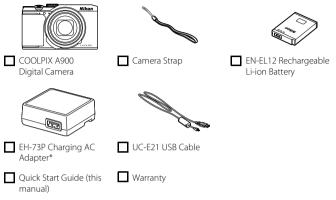For customers in Brazil: www.nikon.com.br

Telephone
For customers in the United States: **1-800-NIKON-US (1-800-645-6687)**
For customers in Canada: **1-877-534-9910**
For customers in Mexico: **001-888-565-5452**
For customers in Brazil: **0800-886-4566 (0800-88 NIKON)**

Confirming the Package Contents

In the event that any items are missing, please contact the store where you purchased the camera.

☐ COOLPIX A900
Digital Camera

☐ Camera Strap

☐ EN-EL12 Rechargeable
Li-ion Battery

☐ EH-73P Charging AC
Adapter*

☐ UC-E21 USB Cable

☐ Quick Start Guide (this
manual)

☐ Warranty

* A plug adapter is included if the camera was purchased in a country or region that requires a plug adapter. The shape of the plug adapter varies with the country or region of purchase (□4).

NOTE: A memory card is not included with the camera. SD, SDHC, and SDXC memory cards are referred to as "memory cards" in this manual.

Information and Precautions

Life-Long Learning

As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually updated information is available online at the following websites:

- For users in the U.S.A.: http://www.nikonusa.com/
- For users in Europe: http://www.europe-nikon.com/support/
- For users in Asia, Oceania, the Middle East, and Africa: http://www.nikon-asia.com/

Visit these websites to keep up-to-date with the latest product information, tips, answers to frequently asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. Visit the website below for contact information.

http://imaging.nikon.com/

Use Only Nikon Brand Electronic Accessories

Nikon COOLPIX cameras are designed to the highest standards and include complex electronic circuitry. Only Nikon brand electronic accessories (including battery chargers, batteries, AC adapters, and USB cables) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY.

The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking.

Holographic seal: Identifies this device as an authentic Nikon product.

For more information about Nikon brand accessories, contact a local authorized Nikon dealer.

Before Taking Important Pictures

Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction.

About the Manuals

- No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission.
- Illustrations and screen content shown in this manual may differ from the actual product.
- Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.
- Nikon will not be held liable for any damages resulting from the use of this product.
- While every effort was made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).

Comply with Copyright Notices

Under copyright law, photographs or recordings of copyrighted works made with the camera can not be used without the permission of the copyright holder. Exceptions apply to personal use, but note that even personal use may be restricted in the case of photographs or recordings of exhibits or live performances.

Disposing of Data Storage Devices

Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data. Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility.

Before discarding a data storage device or transferring ownership to another person, make sure to format the camera's settings in **Reset all** ($\Box$20) in the setup menu. After formatting the camera's settings, erase all data in the device using commercial deletion software, or format the device in **Format memory** or **Format card** in the setup menu ($\Box$20), then completely refill it with images containing no private information (for example, images of empty sky). Care should be taken to avoid injury or damage to property when physically destroying memory cards.

Conformity Marking

Follow the procedure below to display some of the conformity markings that the camera complies with.
Press the MENU button ➔ 𝐘 menu icon ➔ Conformity marking ➔ 𝕆𝕂 button

For Your Safety

To prevent damage to property or injury to yourself or to others, read "For Your Safety" in its entirety before using this product.

Keep these safety instructions where all those who use this product will read them.

⚠ **DANGER**	**Failure to observe the precautions marked with this icon carries a high risk of death or severe injury.**
⚠ **WARNING**	**Failure to observe the precautions marked with this icon could result in death or severe injury.**
⚠ **CAUTION**	**Failure to observe the precautions marked with this icon could result in injury or property damage.**

⚠ WARNING

- Do not use while walking or operating a motor vehicle. Failure to observe this precaution could result in accidents or other injury.

- Do not disassemble or modify this product. Do not touch internal parts that become exposed as the result of a fall or other accident. Failure to observe these precautions could result in electric shock or other injury.

- Should you notice any abnormalities such as the product producing smoke, heat, or unusual odors, immediately disconnect the battery or power source. Continued operation could result in fire, burns or other injury.

- Keep dry. Do not handle with wet hands. Do not handle the plug with wet hands. Failure to observe these precautions could result in fire or electric shock.

- Do not let your skin remain in prolonged contact with this product while it is on or plugged in. Failure to observe this precaution could result in low-temperature burns.

- Do not use this product in the presence of flammable dust or gas such as propane, gasoline or aerosols. Failure to observe this precaution could result in explosion or fire.

- Do not aim the flash at the operator of a motor vehicle. Failure to observe this precaution could result in accidents.

- Keep this product out of reach of children. Failure to observe this precaution could result in injury or product malfunction. In addition, note that small parts constitute a choking hazard. Should a child swallow any part of this product, seek immediate medical attention.

- Do not entangle, wrap or twist the strap around your neck. Failure to observe this precaution could result in accidents.

- Do not use batteries/chargers/AC adapters/USB cables not specifically designated for use with this product. When using batteries/chargers/AC adapters/USB cables designated for use with this product, do not:
  - Damage, modify, forcibly tug or bend the cords or cables, place them under heavy objects, or expose them to heat or flame.
  - Use travel converters or adapters designed to convert from one voltage to another or with DC-to-AC inverters.
  Failure to observe these precautions could result in fire or electric shock.

- Do not handle the plug when charging the product or using the AC adapter during thunderstorms. Failure to observe this precaution could result in electric shock.

- Do not handle with bare hands in locations exposed to extremely high or low temperatures. Failure to observe this precaution could result in burns or frostbite.

⚠ **CAUTION**

- Do not leave the lens pointed at the sun or other strong light sources. Light focused by the lens could cause fire or damage to product's internal parts. When shooting backlit subjects, keep the sun well out of the frame.

- Turn this product off when its use is prohibited. Disable wireless features when the use of wireless equipment is prohibited. The radio-frequency emissions produced by this product could interfere with equipment onboard aircraft or in hospitals or other medical facilities.

- Remove the battery and disconnect the AC adapter if this product will not be used for an extended period. Failure to observe this precaution could result in fire or product malfunction.

- Do not touch moving parts of the lens or other moving parts. Failure to observe this precaution could result in injury.

- Do not fire the flash in contact with or in close proximity to the skin or objects. Failure to observe this precaution could result in burns or fire.

- Do not leave this product where it will be exposed to extremely high temperatures, for an extended period such as in an enclosed automobile or in direct sunlight. Failure to observe this precaution could result in fire or product malfunction.

⚠ DANGER for Batteries

- Do not mishandle batteries. Failure to observe the following precautions could result in the batteries leaking, overheating, rupturing, or catching fire:
  - Use only batteries approved for use in this product.
  - Do not expose batteries to flame or excessive heat.
  - Do not disassemble.
  - Do not short circuit the terminals by touching them to necklaces, hairpins, or other metal objects.
  - Do not expose batteries or the products in which they are inserted to powerful physical shocks.
- Do not attempt to recharge EN-EL12 rechargeable batteries using chargers/ cameras not specifically designated for this purpose. Failure to observe this precaution could result in the batteries leaking, overheating, rupturing, or catching fire.
- If battery liquid comes into contact with the eyes, rinse with plenty of clean water and seek immediate medical attention. Delaying action could result in eye injuries.

⚠ WARNING for Batteries

- Keep batteries out of reach of children. Should a child swallow a battery, seek immediate medical attention.
- Do not immerse this product in water or expose to rain. Failure to observe this precaution could result in fire or product malfunction. Immediately dry the product with a towel or similar object should it become wet.
- Discontinue use immediately should you notice any changes in the batteries, such as discoloration or deformation. Cease charging EN-EL12 rechargeable batteries if they do not charge in the specified period of time. Failure to observe this precaution could result in the batteries leaking, overheating, rupturing, or catching fire.
- Prior to disposal, insulate battery terminals with tape. Overheating, rupture, or fire may result should metal objects come into contact with the terminals. Recycle or dispose of batteries in accord with local regulations.
- If battery liquid comes into contact with skin or clothing, immediately rinse the affected area with plenty of clean water. Failure to observe this precaution could result in skin irritation.

Parts of the Camera

The Camera Body

1	Command dial
2	Power switch/power-on lamp
3	Shutter-release button
4	Mode dial
5	Flash
6	Zoom control **W** : Wide-angle **T** : Telephoto ■■ : Thumbnail playback Q : Playback zoom
7	N-Mark (NFC antenna)
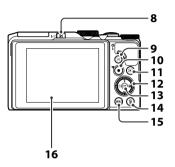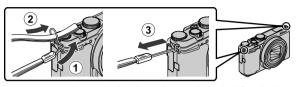
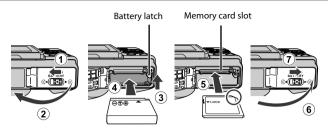|	
8	🗲 ⓒ (flash pop-up) control
9	⌶ (snap-back zoom) button
10	● (🎥 movie-record) button
11	▶ (playback) button
12	Rotary multi selector (multi selector)
13	⓸ (apply selection) button
14	🗑 (delete) button
15	MENU (menu) button
16	Monitor

Preparing for Shooting

How to Attach the Camera Strap

- The camera strap can be attached to the eyelet on either side (left and right) of the camera body.

Inserting the Battery and Memory Card

Battery latch   Memory card slot

- With the battery's positive and negative terminals oriented correctly, move the orange battery latch ($\textcircled{3}$), and fully insert the battery ($\textcircled{4}$).
- Slide the memory card in until it clicks into place ($\textcircled{5}$).
- Be careful not to insert the battery or memory card upside-down or backward, as this could cause a malfunction.

⚠ Formatting a Memory Card

The first time you insert a memory card that has been used in another device into this camera, make sure to format it with this camera.

- **Note that formatting a memory card permanently deletes all images and other data on the memory card.** Be sure to make copies of any images you wish to keep before formatting the memory card.
- Insert the memory card into the camera, press the **MENU** button, and select **Format card** in the setup menu ($\square$20).
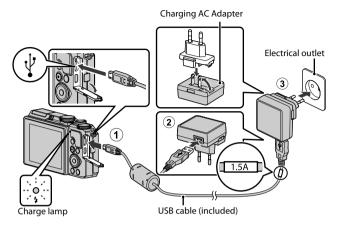
Removing the Battery or Memory Card

Turn the camera off and make sure that the power-on lamp and screen have turned off, and then open the battery-chamber/memory card slot cover.
- Move the battery latch to eject the battery.
- Gently push the memory card into the camera to partially eject the memory card.
- Be careful when handling the camera, battery, and memory card immediately after using the camera, as they may be hot.

Memory Cards and Internal Memory

Camera data, including images and movies, can be saved either on a memory card or in the camera's internal memory. To use the camera's internal memory, remove the memory card.

Charging the Battery

Charging AC Adapter

Electrical outlet

Charge lamp

USB cable (included)

If a plug adapter* is included with your camera, securely connect it to the Charging AC Adapter. Once the two are connected, attempting to forcibly remove the plug adapter could damage the product.

* The shape of the plug adapter varies according to the country or region in which the camera was purchased.
  This step can be omitted if the plug adapter comes permanently bonded to the Charging AC Adapter.

- Charging starts when the camera is connected to an electrical outlet while the battery is inserted, as shown in the illustration. The charge lamp slowly flashes green while the battery is charging.

- When charging is complete, the charge lamp turns off. Unplug the Charging AC Adapter from the electrical outlet, and disconnect the USB cable.
  Charging time is about 2 hours and 20 minutes for a fully exhausted battery.

- The battery cannot be charged when the charge lamp quickly flashes green, possibly due to one of the reasons described below.
  - The ambient temperature is not suited to charging.
  - The USB cable or Charging AC Adapter is not properly connected.
  - The battery is damaged.

⚠ Notes About the USB Cable

- Do not use a USB cable other than the UC-E21. Using a USB cable other than the UC-E21 could result in overheating, fire, or electric shock.
- Check the shape and direction of the plugs and do not insert or remove the plugs at an angle.

⚠ Notes About Charging the Battery

- The camera can be operated while the battery is charging, but the charging time increases. The charge lamp turns off while the camera is being operated.
- Do not, under any circumstances, use another make or model of AC adapter other than the EH-73P Charging AC Adapter, and do not use a commercially available USB-AC adapter or a battery charger for a mobile phone. Failure to observe this precaution could result in overheating or in damage to the camera.

Changing the Angle of the Monitor

You can adjust the direction and angle of the monitor.

For normal shooting   When taking self-portraits

When shooting in a low position

When shooting in a high position

⚠ Notes About the Monitor

- When moving the monitor, do not apply excessive force and move slowly within the monitor's adjustable range so that the connection will not be damaged.
- Do not touch the area to the rear of the monitor. Failure to observe this precaution could cause product malfunction.

Be particularly careful not to touch these areas.

Camera Setup

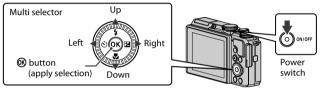## Setup from a Smartphone or Tablet

- Before proceeding, install the SnapBridge app (□ii) and enable Bluetooth and Wi-Fi on your smartphone or tablet (below, "smart device").
- The camera and smart device screens shown in this manual may differ from those of the actual products.

1 Turn the camera on.

- Use the multi selector to select and adjust settings.

Multi selector

Up

Left ← → Right

⊛ button (apply selection)

Down

Power switch

ON/OFF

- A language selection dialog will be displayed. Press ▲ or ▼ on the multi selector to highlight a language and press the ⊛ button to select.
- The language can be changed at any time using the **Language** option in the setup menu.
- The power switch is enabled a few seconds after the battery is inserted. Wait a few seconds before pressing the power switch.

Language
Български
Čeština
Dansk
Deutsch
English
Español

Cancel

2 Press the ⊛ button when the dialog at right is displayed.

- If you do not wish to use a smart device to configure the camera, press the **MENU** button (□9).

Use SnapBridge to send photos to your smart device and share them online.

To skip this screen and set SnapBridge later from the Network menu, press MENU.

Later   Set

3 Pair (i.e., establish a Bluetooth link between) the camera and the smart device.

- **Android Devices with NFC Support**
  After checking that NFC is enabled on the smart device, touch the camera **N** (N-Mark) to the NFC antenna on the smart device to launch the SnapBridge app.
  - Close all apps that use NFC (including the SnapBridge app). Pairing may fail if an app using NFC is activated.
  - If the SnapBridge download site is displayed, download and install the app before repeating the above steps.

- **iOS Devices and Android Devices Without NFC Support**
  Press the camera ⓞ button. The camera will wait for a connection; launch the SnapBridge app on the smart device, then follow the on-screen instructions and tap the camera name (camera SSID) that you want to pair with.
  - When the accessory selection dialog is displayed on an iOS device, tap the camera name again.

```
App
SnapBridge
Camera
A900_xxxxxxx
```
On your smart device, go to the app store and search for SnapBridge. After installing, open the SnapBridge app.

Cancel

```
Connect to Camera

xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
Camera name
A900_xxxxxxx
```

4 Check the authentication code.

- After confirming that the camera and smart device display the same six-digit authentication code, follow the steps below to complete pairing (note that the code may not be displayed in some versions of iOS, but you should follow the steps below even if the code is not displayed).
  - On the camera, press the ⓞ button.
  - On the smart device, tap **Pairing** (the name of the button varies with the smart device).

```
Auth. code
000000
```
Confirm that the same authentication code is displayed on the smart device and press OK.

Cancel   OK OK

5 Press the ⓚ button when the dialog at right is displayed.

- When a constant connection between the camera and smart device is established, the dialog at right is displayed.
- If the camera displays **Could not connect.**, press the ⓚ button to return to Step 3. To cancel pairing settings, press the **MENU** button.

Your camera and smart device are connected!
SnapBridge will send your photos to your smart device as they are taken.

ⓚ Next

6 Follow the on-screen instructions to complete the setup process.

- To record location data with photographs, select **Yes** when prompted and enable the location data features both in the SnapBridge app and on the smart device itself (for more information, see the documentation provided with the smart device).
- You can also synchronize the camera clock to the time reported by the smart device by selecting **Yes** when prompted and enabling synchronization in the SnapBridge app. If you select **No**, set the camera clock from the menus as described in Step 2 on page 9.
- Setup is complete when the camera returns to the shooting display.
- See page 11 for more information on using SnapBridge.

❏ Where the Use of Wireless Devices Is Prohibited

Where the use of wireless devices is prohibited, disable wireless features in the camera network menu by selecting **On** for **Airplane mode**. This will temporarily interrupt the constant connection with the smart device, but the connection is automatically re-established when airplane mode is turned off.

Setup from the Camera Menus

The camera clock can be set manually.

1 Turn the camera on (□7).

- A language selection dialog will be displayed. Press ▲ or ▼ on the multi selector to highlight a language and press the ⓚ button to select.
- The language can be changed at any time using the **Language** option in the setup menu.
- The power switch is enabled a few seconds after the battery is inserted. Wait a few seconds before pressing the power switch.

Language
Български
Čeština
Dansk
Deutsch
English
Español

Cancel

2 Press the MENU button when the dialog at right is displayed.

- Select **Yes** when prompted to set the camera clock.

Use SnapBridge to send photos to your smart device and share them online.

To skip this screen and set SnapBridge later from the Network menu, press MENU.

Later · Set

3 Highlight your home time zone and press the ⊛ button.

- To turn daylight saving time on press ▲; ⊛ will be displayed at the top of the map. Press ▼ to turn daylight saving time off.

New York, Toronto, Lima

Back

4 Press ▲ or ▼ to choose a date format and press the ⊛ button.

5 Enter the current date and time and press the ⊛ button.

- Press ◀ or ▶ to highlight items and press ▲ or ▼ to change.
- Press the ⊛ button to set the clock.

Date and time

M   D   Y   h   m
11 . 15 . 2016 13 : 10

Edit

6 When prompted, press ▲ or ▼ to highlight **Yes** and press the ⊛ button.

- The camera exits to the shooting display when setup is complete.

🖉 Resetting the Clock

The **Time zone and date** option in the setup menu can be used to choose the time zone and set the camera clock.

Daylight saving time can be turned on or off in the **Time zone** menu.

What SnapBridge Can Do for You

The SnapBridge app can be used for a variety of tasks once the camera has been paired with your smart device.

- See SnapBridge app online help for more information.
  http://nikonimglib.com/snbr/onlinehelp/en/index.html

Auto Upload

At default settings, pictures will automatically be uploaded to the smart device as they are taken.

- Place the smart device close to the camera and launch the SnapBridge app.

Option	Description
Disabling auto upload	Auto upload can be disabled using the **Send while shooting** > **Still images** option in the camera network menu (□20).
Upload options	Use the **Send while shooting** > **Upload (photos)** item in the camera network menu to choose the types of pictures automatically uploaded.
Selecting pictures for upload	You can use this option to automatically upload selected pictures that were not uploaded during shooting. • Use the **Mark for upload** option in the camera playback menu (□20) to select pictures. • The constant connection ensures that upload will continue even when the camera is off.
Resizing pictures for upload	Use the SnapBridge app to choose the size at which pictures are copied to the smart device. The default size is 2 megapixels.
Embedding photo info	Use the SnapBridge app to choose the information imprinted on photographs copied to the smart device. Comments and copyright information can be entered in advance from the camera setup menu. You can also imprint text entered in the SnapBridge app.

⚠ Notes About Image Upload and Remote Photography

- Movies cannot be uploaded using the **Send while shooting** or **Mark for upload** options. To upload movies to a smart device, use the SnapBridge app.

- See "Wi-Fi Connection" (□12) for more information.

- When the camera is set to **Multiple exp. Lighten** scene mode, you cannot use the image upload features (**Send while shooting**, **Mark for upload**, or **Download selected pictures**) or **Remote photography**.
  Change the settings or switch to playback mode.
  When **Bluetooth** ➔ **Send while off** ➔ **On** is set in the network menu, you can resume image upload even after turning off the camera.

Wireless Networks

Option	Description
Pairing after camera setup	Select **Connect to smart device** in the camera network menu and follow the instructions in "Setup from a Smartphone or Tablet" from Step 2 (□7).
Unpairing	In the SnapBridge app, tap ◐ in ᗕ **Connect**, and then tap **End pairing** on the screen that is displayed.
Number of pairable smart devices	The camera can be paired with up to five smart devices. However, it can connect to only one device at a time.

✐ Re-pairing

Re-pair when pairing again after unpairing.

Select **Connect to smart device** in the camera network menu, and then follow the instructions on the camera and smart device screen. When **Non-NFC enabled devices: press OK.** is displayed, press the ⓚ button, and then launch the SnapBridge app on the smart device. Tap ◐ in ᗕ **Connect**, and then tap the name of the camera you want to pair with on the screen that is displayed. When the authentication code is displayed on the camera screen, follow the instructions in "Setup from a Smartphone or Tablet" from Step 4 (□8).

Other Options for the SnapBridge App

Option	Description
Remote photography	Use the smart device to release the camera shutter. Before performing remote photography, turn the camera on.
Viewing the pictures on the camera (download selected pictures)	Use the smart device to view and download the pictures on the camera. This option is available even when the camera is off.

✐ Wi-Fi Connection

When performing remote photography or downloading selected pictures, follow the instructions on the SnapBridge app or smart device to switch from a Bluetooth connection to a Wi-Fi connection.
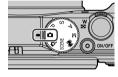
- When downloading selected pictures, you can upload still images without switching to a Wi-Fi connection, but images will be saved at a size of 2 megapixels. Still images cannot be uploaded at their original size.
- In iOS, if you are prompted for a password when switching to a Wi-Fi connection, input the camera password.
  You can check and change the camera password by using **Wi-Fi ➜ Network settings ➜ Password** in the network menu. To protect your privacy, we recommend that you change the password.

Basic Shooting and Playback Operations

Shooting Images

A (auto) mode is used here as an example. A (auto) mode enables you to perform general shooting in a variety of shooting conditions.

1 Rotate the mode dial to A.

Number of exposures remaining

- Battery level indicator
  B: The battery level is high.
  B: The battery level is low.
- Number of exposures remaining
  I is displayed when no memory card is inserted in the camera, and images are saved in the internal memory.

Battery level indicator

2 Hold the camera steady.

- Keep fingers and other objects away from the lens, flash, AF-assist illuminator, microphone, and speaker.
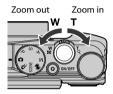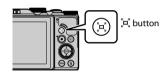
- When taking pictures in portrait ("tall") orientation, turn the camera so that the flash is above the lens.

3 Frame the picture.

- Move the zoom control to change the zoom lens position.
- If you lose sight of the subject while shooting with the lens in telephoto position, press the 🛱 (snap-back zoom) button to temporarily widen the visible area so that you can frame the subject more easily.

Zoom out   Zoom in

🛱 button

4 Press the shutter-release button halfway.

- To press the shutter-release button "halfway" means to press and hold the button at the point where you feel a slight resistance.
- When the subject is in focus, the focus area or focus indicator is displayed in green.
- When taking self-portraits (□6), the focus area is not displayed.
- When you are using digital zoom, the camera focuses in the center of the frame and the focus area is not displayed.
- If the focus area or focus indicator flashes, the camera is unable to focus. Modify the composition and try pressing the shutter-release button halfway again.

Focus area

5 Without lifting your finger, press the shutter-release button all the way down.

❎ **Notes About Saving Images or Movies**

The indicator showing the number of exposures remaining or the indicator showing the remaining recording time flashes while images or movies are being saved. **Do not open the battery-chamber/memory card slot cover or remove the battery or memory card** while an indicator is flashing. Doing this could result in loss of data, or in damage to the camera or the memory card.

🖉 **The Auto Off Function**

- When no operations are performed for about one minute, the screen turns off, the camera enters standby mode, and then the power-on lamp flashes. The camera turns off after remaining in standby mode for about three minutes.
- To turn the screen back on while the camera is in standby mode, perform an operation such as pressing the power switch or shutter-release button.
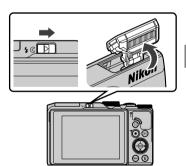
🖉 **When Using a Tripod**

- We recommend using a tripod to stabilize the camera in the following situations:
  - When shooting in dim lighting with the flash mode set to 🚫 (off)
  - When the zoom is at a telephoto position
- When using a tripod to stabilize the camera during shooting, set **Photo VR** to **Off** in the setup menu (□20) to prevent potential errors caused by this function.

Using the Flash
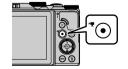
In situations where a flash is needed, such as in dark locations or when the subject is backlit, move the 🔦 (flash pop-up) control to raise the flash.

- When not using the flash, gently push to lower the flash until it clicks shut.
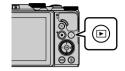
Recording Movies

Display the shooting screen and press the ● (🎥 movie-record) button to start recording a movie. Press the ● (🎥) button again to end recording.

Playing Back Images

1 Press the ▶ (playback) button to enter playback mode.

- If you press and hold down the ▶ button while the camera is turned off, the camera turns on in playback mode.

2 Use the multi selector to select an image to display.

- Press and hold down ▲▼◀▶ to scroll through the images quickly.
- Images can also be selected by rotating the multi selector.
- To play back a recorded movie, press the ⓚ button.
- To return to shooting mode, press the ▶ button or shutter-release button.
- When **OK:✐** is displayed in full-frame playback mode, you can press the ⓚ button to apply an effect to the image.

Display the previous image

Display the next image

- Move the zoom control toward **T** (Q) in full-frame playback mode to zoom in on an image.
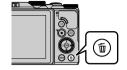
- In full-frame playback mode, move the zoom control toward **W** (➡) to switch to thumbnail playback mode and display multiple images on the screen.

Deleting Images

1 Press the 🗑 (delete) button to delete the image currently displayed on the screen.

2 Use the multi selector ▲▼ to select the desired deletion method and press the ⓚ button.

* To exit without deleting, press the MENU button.

Delete
Current image
Erase selected images
All images

3 Select **Yes** and press the ⓚ button.

* Deleted images cannot be recovered.

⚠ Erase 1 image?
Yes
No

⚠ Deleting Images Captured Continuously (Sequence)

* Images captured continuously, or with the multiple exp. lighten, self-collage function, or creative mode, are saved as a sequence, and only one image in the sequence (the key picture) is displayed in playback mode.
* If you press the 🗑 button while a key picture is displayed for a sequence of images, all images in the sequence are deleted.
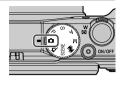
0004.JPG
11/15/2016 15:30
1/5
NORM 🔲

* To delete individual images in a sequence, press the ⓚ button to display them one at a time and press the 🗑 button.

🖉 Deleting the Image Captured While in Shooting Mode

When using shooting mode, press the 🗑 button to delete the last image that was saved.

Other Functions

Selecting a Shooting Mode

You can rotate the mode dial to align the desired shooting mode with the indicator mark on the camera body.

- **🗖 (Auto) mode**
  Select this mode to perform general shooting in a variety of shooting conditions.
- **🗖C (Creative) mode**
  The camera saves four images with effects and one image without effects simultaneously in one shot.
- **SCENE (Scene) modes**
  Press the MENU button and select a scene mode.
  - **Scene auto selector**: The camera recognizes the shooting conditions when you frame a picture, and you can take pictures in accordance with the conditions.
  - **Time-lapse movie**: The camera can automatically capture still images at a specified interval to create time-lapse movies (🎞🄿🖩 **1080/30p** or 🎞🄿🖩 **1080/25p**) that are approximately 10 seconds long.
  - **Multiple exp. Lighten**: The camera automatically captures moving subjects at regular intervals, compares each image and composites only their bright areas, and then saves them as one image. Light trails such as the flow of car lights or motion of stars are captured.
  - **Superlapse movie**: Use to record movies while moving the camera and record changes in the subject as time elapses. The movies are recorded in fast motion (🎞🄿🖩 **1080/30p** or 🎞🄿🖩 **1080/25p**).
  - **Smart portrait**: Use glamour retouch to enhance human faces during shooting, and use the smile timer or self-collage function to take pictures.

  In addition to the above modes, you can select various scene modes.
- **🎬 (Short movie show) mode**
  The camera creates a short movie that is up to 30 seconds long (🎞🄿🖩 **1080/30p** or 🎞🄿🖩 **1080/25p)** by recording and automatically combining multiple movie clips that are several seconds long.
- **P, S, A, and M modes**
  Select these modes for greater control over shutter speed and f-number.

Help Display

The descriptions of functions are displayed while changing the shooting mode or while the setting screen is displayed.

Press the shutter-release button halfway to quickly switch to shooting mode. You can show or hide the descriptions using **Help display** in **Monitor settings** in the setup menu.

Setting Shooting Functions with the Multi Selector

When the shooting screen is displayed, you can press the multi selector ▲ (🔆) ◀ (🕐) ▼ (🌷) ▶ (🔅) to set the functions described below.

- **🔆 Flash mode**

  When the flash is raised, the flash mode can be set according to shooting conditions.

- **🕐 Self-timer/Self-portrait timer**
  - Self-timer: The shutter is automatically released in 10 or 2 seconds.
  - Self-portrait timer: The camera focuses in 5 seconds, and the shutter is automatically released.

- **🌷 Macro mode**

  Use macro mode when you take close-up pictures.

- **🔅 Creative slider (🔅 brightness (exposure compensation), 🎨 vividness, 🎨 hue, and 🕐 Active D-Lighting)**

  You can adjust overall image brightness (exposure compensation).

  In **Smart portrait** scene mode, you can apply glamour retouch to enhance human faces.

  In P, S, A, and M mode, you can adjust overall image brightness, vividness, hue, and Active D-Lighting.

The functions that can be set vary depending on the shooting mode.

Menu Operations

You can set the menus listed below by pressing the **MENU** (menu) button.

- **Shooting menu**[1, 2]
- **Movie menu**[1]
- **Playback mode menu (List by date mode)**[3]
- **Playback menu**[3]
- **Network menu**
- **Setup menu**

[1] Press the **MENU** button when the shooting screen is displayed.
[2] Menu icons and available setting options vary depending on the shooting mode.
[3] Press the **MENU** button when the playback screen is displayed.

1 Press the MENU (menu) button.

- The menu is displayed.

2 Press the multi selector ◀.

- The current menu icon is displayed in yellow.

Menu icons

3 Select a menu icon and press the ® button.

- The menu options become selectable.

4 Select a menu option and press the ⓞⓚ button.

- Certain menu options cannot be set depending on the current shooting mode or the state of the camera.
- Items can also be selected by rotating the multi selector.

Time zone and date	
Monitor settings	
Date stamp	OFF
Photo VR	
AF assist	AUTO
Digital zoom	ON

5 Select a setting and press the ⓞⓚ button.

- The setting you selected is applied.
- When you are finished using the menu, press the MENU button.
- When a menu is displayed, you can switch to shooting mode by pressing the shutter-release button or ● (🎥) button.

Date stamp	
DATE Date	
DATE⊙ Date and time	
Off	

🖉 **Command Dial or Multi Selector Operation When a Menu is Displayed**

When a menu or setting items are displayed, you can select a menu option also by rotating the command dial or multi selector.

Technical Notes

Notices

Notices for Customers in the U.S.A.

**IMPORTANT SAFETY INSTRUCTIONS -
SAVE THESE INSTRUCTIONS.**

**DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY
FOLLOW THESE INSTRUCTIONS**

For connection to a supply not in the U.S.A., use an attachment plug adapter of the
proper configuration for the power outlet if needed.

The power supply unit is intended to be correctly orientated in a vertical or floor
mount position.

Federal Communications Commission (FCC) Radio Frequency Interference
Statement

This equipment has been tested and
found to comply with the limits for a
Class B digital device, pursuant to Part
15 of the FCC rules. These limits are
designed to provide reasonable
protection against harmful

FC   **Nikon**
COOLPIX A900

interference in a residential installation. This equipment generates, uses, and can
radiate radio frequency energy and, if not installed and used in accordance with the
instructions, may cause harmful interference to radio communications. However,
there is no guarantee that interference will not occur in a particular installation. If this
equipment does cause harmful interference to radio or television reception, which
can be determined by turning the equipment off and on, the user is encouraged to
try to correct the interference by one or more of the following measures:
• Reorient or relocate the receiving antenna.
• Increase the separation between the equipment and receiver.
• Connect the equipment into an outlet on a circuit different from that to which the
receiver is connected.
• Consult the dealer or an experienced radio/television technician for help.

CAUTIONS

Modifications

The FCC requires the user to be notified that any changes or modifications made to
this device that are not expressly approved by Nikon Corporation may void the user's
authority to operate the equipment.

Notes About Wireless Communication Functions

Restrictions on Wireless Devices

The wireless transceiver included in this product conforms to wireless regulations in the country of sale and is not for use in other countries (products purchased in the EU or EFTA can be used anywhere within the EU and EFTA). Nikon does not accept liability for use in other countries. Users who are unsure as to the original country of sale should consult with their local Nikon service center or Nikon-authorized service representative. This restriction applies to wireless operation only and not to any other use of the product.

Security

Although one of the benefits of this product is that it allows others to freely connect for the wireless exchange of data anywhere within its range, the following may occur if security is not enabled:

- Data theft: Malicious third-parties may intercept wireless transmissions to steal user IDs, passwords, and other personal information.
- Unauthorized access: Unauthorized users may gain access to the network and alter data or perform other malicious actions. Note that due to the design of wireless networks, specialized attacks may allow unauthorized access even when security is enabled. Nikon is not responsible for data or information leaks that may occur during data transfer.
- Do not access networks that you are not permitted to use, even if they are displayed on your smartphone or tablet. Doing so may be regarded as unauthorized access. Only access networks that you are permitted to use.

Personal Information Management and Disclaimer

- User information registered and configured on the product, including wireless LAN connection settings and other personal information, is susceptible to alteration and loss resulting from operational error, static electricity, accident, malfunction, repair or other handling. Always keep separate copies of important information. Nikon is not responsible for any direct or indirect damages or lost profits resulting from alteration or loss of content that is not attributable to Nikon.
- Before discarding this product or transferring it to another owner, perform **Reset all** in the setup menu ($\Box$20) to delete all user information registered and configured with the product, including wireless LAN connection settings and other personal information.
- Nikon is not responsible for any damages resulting from unauthorized use of this product by third parties in the event that the product is stolen or lost.

Precautions when Exporting or Carrying This Product Abroad

This product is controlled by the United States Export Administration Regulations (EAR). The permission of the United States government is not required for export to countries other than the following, which as of this writing are subject to embargo or special controls: Cuba, Iran, North Korea, Sudan, and Syria (list subject to change).

Notice for Customers in the U.S.A. and Canada

Federal Communications Commission (FCC) and Industry of Canada (IC)

Declaration of Conformity

This device complies with Part 15 of FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of this device.

FCC/IC RF Exposure Statement

This transmitter must not be co-located or operated in conjunction with any other antenna or transmitter.

The available scientific evidence does not show that any health problems are associated with using low power wireless devices. There is no proof, however, that these low power wireless devices are absolutely safe. Low power wireless devices emit low levels of radio frequency energy (RF) in the microwave range while being used. Whereas high levels of RF can produce health effects (by heating tissue), exposure of low-level RF that does not produce heating effects causes no known adverse health effects. Many studies of low-level RF exposures have not found any biological effects. Some studies have suggested that some biological effects might occur, but such findings have not been confirmed by additional research. COOLPIX A900, which is equipped with a TYPE1FJ (FCC ID:VPYLB1FJ / IC ID:772C-LB1FJ) Wireless LAN Module, has been tested and found to comply with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. Please refer to the SAR test report that was uploaded to FCC website.

Notice for Customers in Jamaica

This product contains a Type Approved Module by Jamaica : "SMA –TYPE1FJ"

Caring for the Product

Observe the precautions described below in addition to the warnings in "For Your Safety" (□viii-x) when using or storing the device.

The Camera

Do Not Apply Strong Impact to the Camera

The product may malfunction if subjected to strong shock or vibration. In addition, do not touch or apply force to the lens or lens cover.

Keep Dry

The device will be damaged if immersed in water or subjected to high humidity.

Avoid Sudden Changes in Temperature

Sudden changes in temperature, such as when entering or leaving a heated building on a cold day, can cause condensation to form inside the device. To prevent condensation, place the device in a carrying case or a plastic bag before exposing it to sudden changes in temperature.

Keep Away from Strong Magnetic Fields

Do not use or store this device in the vicinity of equipment that generates strong electromagnetic radiation or magnetic fields. Doing so could result in loss of data or camera malfunction.

Do Not Point the Lens at Strong Light Sources for Extended Periods

Avoid pointing the lens at the sun or other strong light sources for extended periods when using or storing the camera. Intense light may cause the image sensor to deteriorate or produce a white blur effect in photographs.

Turn the Product Off Before Removing or Disconnecting the Power Source or Memory Card

Do not remove the battery while the product is on, or while images are being saved or deleted. Forcibly cutting power in these circumstances could result in loss of data or in damage to the memory card or internal circuitry.

Notes About the Monitor

- Monitors (including electronic viewfinders) are constructed with extremely high precision; at least 99.99% of pixels are effective, with no more than 0.01% being missing or defective. Hence while these displays may contain pixels that are always lit (white, red, blue, or green) or always off (black), this is not a malfunction and has no effect on images recorded with the device.
- Images in the monitor may be difficult to see under bright lighting.
- Do not apply pressure to the monitor, as this could cause damage or malfunction. Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent the liquid crystal from the display touching the skin or entering the eyes or mouth.

The Battery

Precautions for Use

- Note that the battery may become hot after use.
- Do not use the battery at ambient temperatures below 0°C (32°F) or above 40°C (104°F) as this could cause damage or malfunction.
- If you notice any abnormalities such as excessive heat, smoke, or an unusual smell coming from the battery, immediately discontinue use and consult your retailer or Nikon-authorized service representative.
- After removing the battery from the camera or optional battery charger, put the battery in a plastic bag, etc. in order to insulate it.

Charging the Battery

Check the battery level before using the camera and replace or charge the battery if necessary.

- Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F) before use.
- A high battery temperature may prevent the battery from charging properly or completely, and may reduce battery performance. Note that the battery may become hot after use; wait for the battery to cool before charging.
  When charging the battery inserted into this camera using the Charging AC Adapter or a computer, the battery is not charged at battery temperatures below 0°C (32°F) or above 50°C (122°F).
- Do not continue charging once the battery is fully charged as this will result in reduced battery performance.
- The battery temperature may increase during charging. However, this is not a malfunction.

Carrying Spare Batteries

Whenever possible, carry fully charged spare batteries when taking pictures on important occasions.

Using the Battery When Cold

On cold days, the capacity of batteries tends to decrease. If an exhausted battery is used at a low temperature, the camera may not turn on. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.

Battery Terminals

Dirt on the battery terminals may prevent the camera from functioning. Should the battery terminals become dirty, wipe them off with a clean, dry cloth before use.

Charging an Exhausted Battery

Turning the camera on or off while an exhausted battery is inserted in the camera may result in reduced battery life. Charge the exhausted battery before use.

Storing the Battery

- Always remove the battery from the camera or optional battery charger when it is not being used. Minute amounts of current are drawn from the battery while it is in the camera, even when not in use. This may result in excessive battery drain and complete loss of function.
- Recharge the battery at least once every six months and completely exhaust it before returning it to storage.
- Put the battery in a plastic bag, etc. in order to insulate it and store it in a cool place. The battery should be stored in a dry location with an ambient temperature of 15°C to 25°C (59°F to 77°F). Do not store the battery in hot or extremely cold locations.

Battery Life

A marked drop in the time a fully charged battery retains its charge, when used at room temperature, indicates that the battery needs to be replaced. Purchase a new battery.

Recycling Used Batteries

Replace the battery when it no longer holds a charge. Used batteries are a valuable resource. Please recycle used batteries in accordance with local regulations.

The Charging AC Adapter

- The EH-73P Charging AC Adapter is for use only with compatible devices. Do not use with another make or model of device.
- Do not use any USB cable other than the UC-E21. Using a USB cable other than the UC-E21 could result in overheating, fire or electric shock.
- Do not, under any circumstances, use another make or model of AC adapter other than the EH-73P Charging AC Adapter, and do not use a commercially available USB-AC adapter or a battery charger for a mobile phone. Failure to observe this precaution could result in overheating or in damage to the camera.
- The EH-73P is compatible with AC 100–240 V, 50/60 Hz electrical outlets. When using in other countries, use a plug adapter (commercially available) as necessary. For more information about plug adapters, consult your travel agency.
- The symbols on this product represent the following:
  $\sim$ AC, $=$ DC, ▣ Class II equipment (The construction of the product is double-insulated.)

Cleaning and Storage

Cleaning

Do not use alcohol, thinner, or other volatile chemicals.

Lens	Avoid touching glass parts with your fingers. Remove dust or lint with a blower (typically a small device with a rubber bulb attached to one end that is pumped to produce a stream of air out the other end). To remove fingerprints or other stains that cannot be removed with a blower, wipe the lens with a soft cloth, using a spiral motion that starts at the center of the lens and working toward the edges. If this fails, clean the lens using a cloth lightly dampened with commercial lens cleaner.
Monitor	Remove dust or lint with a blower. To remove fingerprints and other stains, clean the monitor with a soft, dry cloth, being careful not to apply pressure.
Body	Use a blower to remove dust, dirt, or sand, then wipe gently with a soft, dry cloth. After using the camera at the beach or other sandy or dusty environment, wipe off any sand, dust, or salt with a dry cloth lightly dampened with fresh water and dry thoroughly. **Note that foreign matter inside the camera could cause damage not covered by the warranty.**

Storage

Remove the battery if the camera will not be used for an extended period. To prevent mold or mildew, take the camera out of storage at least once a month.

Turn the camera on and release the shutter a few times before putting the camera away again. Do not store the camera in any of the following locations:

- Places that are poorly ventilated or subject to humidity of over 60%
- Exposed to temperatures above 50°C (122°F) or below –10°C (14°F)
- Next to equipment that produces strong electromagnetic fields, such as televisions or radios

For storing the battery, follow the precautions in "The Battery" (□27) in "Caring for the Product" (□26).

Troubleshooting

If the camera fails to function as expected, check the list of common problems below before consulting your retailer or Nikon-authorized service representative.
Also, refer to the Reference Manual (PDF format) for further details on how to use this camera (□iv).

Problem	Cause/Solution	□
The camera is on but does not respond.	• Wait for recording to end. • If the problem persists, turn the camera off. If the camera does not turn off, remove and reinsert the battery or batteries or, if you are using an AC adapter, disconnect and reconnect the AC adapter. Note that although any data currently being recorded will be lost, data that have already been recorded will not be affected by removing or disconnecting the power source.	–
The camera cannot be turned on.	• The battery is exhausted. • The power switch is enabled a few seconds after the battery is inserted. Wait a few seconds before pressing the power switch.	3, 4, 27 –
The camera turns off without warning.	• The camera automatically turns off to save power (auto off function). • The camera and battery may not work properly at low temperatures. • The inside of the camera has become hot. Leave the camera off until the inside of the camera has cooled, and then try turning it on again.	15 27 –
The monitor is blank.	• The camera is off. • The battery is exhausted. • The camera automatically turns off to save power (auto off function). • The flash lamp flashes while the flash is charging. Wait until charging is complete. • The camera is connected to a TV or computer. • Time-lapse movie shooting is in progress. • The camera and smart device are connected using Wi-Fi connection and the camera is operated by remote control.	7 13 15 – – – –
The camera becomes hot.	The camera may become hot when used for an extended period of time to record movies or send images, or when used in a hot environment; this is not a malfunction.	–

Memory Cards That Can Be Used

The camera supports SD, SDHC, and SDXC memory cards, including SDHC and SDXC cards compliant with UHS-I.

- Cards rated Speed Class 6 or better are recommended for movie recording (when **Movie options** is set to 2160/30p (4K UHD) or 2160/25p (4K UHD), cards rated UHS Speed Class 3 or better are recommended); using slower cards may result in recording being interrupted.
- When choosing cards for use in card readers, be sure they are compatible with the device.
- Contact the manufacturer for information on features, operation, and limitations on use.

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  HƆMI

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