## En

## Nikon

DIGITAL CAMERA

# COOLPIX A900 Ouick Start Guide





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

## Introduction

## **Read This First**

Thank you for purchasing the Nikon COOLPIX A900 digital camera.

## Downloading the "Reference Manual"

The Reference Manual (PDF format) provides details in various languages on how to use this product. Download the Reference Manual from our Download Center at the URL below and save it on your smart device or computer for reference.

 The Reference Manual can be viewed using Adobe Acrobat Reader (downloadable from the Adobe website) or iBooks (an iOS app).

## **Downloading Nikon Software**

#### For Computer

Download the software from our Download Center at the URL below.

 ViewNX-i: This software enables you to transfer images and movies to your computer for viewing and editing.

#### **For Smart Device**

SnapBridge: When you establish a wireless connection, this app enables you to
upload images and movies to your smart device. See "Connecting to a Smart
Device (SnapBridge)" (
14) for information on how to download the app and
establish a connection.

## **Visit Our Download Center**

#### http://downloadcenter.nikonimglib.com

Visit our website to download manuals for Nikon imaging products, computer software, or firmware.

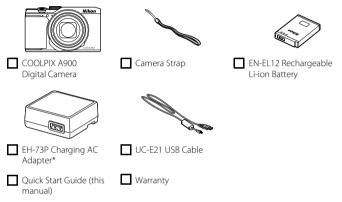


## **Nikon User Support**

If you need any technical assistance with the operation of your Nikon product(s), please contact one of the Nikon representatives. For information on the Nikon representatives in your area, please visit http://www.nikon-asia.com/support.

## **Confirming the Package Contents**

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



\* 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 (\$\sum 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** ( $\square$ 22) 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 ( $\square$ 22), 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 → **®** 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.

## N DANGER for Batteries

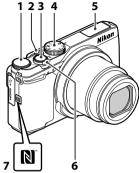
- Do not mishandle batteries. Failure to observe the following precautions could result in the batteries leaking, overheating, rupturing, or catching fire:
  - Use only batteries approved for use in this product.
  - Do not expose batteries to flame or excessive heat.
  - Do not disassemble.
  - Do not 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.

## MARNING 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

Zoom control

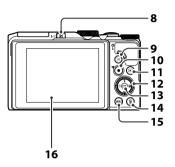
 $\boldsymbol{W}$  : Wide-angle

**T**: Telephoto

: Thumbnail playback

**Q** : Playback zoom

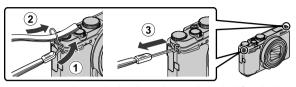
7 N-Mark (NFC antenna)



- 8 \$ © (flash pop-up) control
- 9 💢 (snap-back zoom) button
- 10 (\*▼ movie-record) button
- 11 (playback) button
- 12 Rotary multi selector (multi selector)
- 13 (R) (apply selection) button
- 14 m (delete) button
- 15 MENU (menu) button
- 16 Monitor

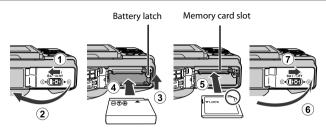
## **Preparing for Shooting**

## **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**



- With the battery's positive and negative terminals oriented correctly, move the orange battery latch (③), and fully insert the battery (④).
- Slide the memory card in until it clicks into place (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 (\$\sum22\$).

## Removing the Battery or Memory Card

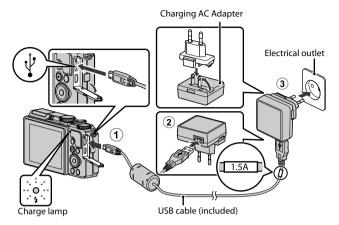
Turn the camera off and make sure that the power-on lamp and screen have turned off, and then open the battery-chamber/memory card slot cover.

- 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**



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.

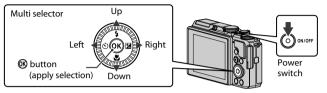


Be particularly careful not to touch these areas.

## **Camera Setup**

#### **1** Turn the camera on.

· Use the multi selector to select and adjust settings.



- 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.



# 2 When the dialog at right is displayed, follow the instructions below and press the MENU or ๗ button.

- If you will not establish a wireless connection with a smart device: Press the **MENU** button and proceed to step 3.
- If you will establish a wireless connection with a smart device: Press the **3** button. See "Connecting to a Smart Device (SnapBridge)" ( 14) for information about the setup procedure.
- 3 When prompted to set the camera clock, press ▲▼ to highlight Yes and press the ® button.



- 4 Highlight your home time zone and press the ® button.
  - Press ▲ to set daylight saving time. When it is on, the time is one hour earlier and 🏶 is displayed at the top of the map. Press ▼ to turn daylight saving time off.



- 5 Press ▲▼ to select a date format and press the ® button.
- 6 Enter the current date and time and press the ® button.
  - Press ◆▶ to highlight items and press ▲▼ to change.
  - Press the **®** button to set the clock.



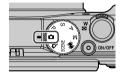
- **7** When prompted, select **Yes** and press the **®** button.
  - Setup is complete when the camera switches to the shooting screen.
  - The time zone and date can be changed at any time using the setup menu (□22)
     → Time zone and date.

## **Basic Shooting and Playback Operations**

## **Shooting Images**

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

## Rotate the mode dial to .



Number of exposures remaining

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



Battery level indicator

## Hold the camera steady.

 Keep fingers and other objects away from the lens, flash, AF-assist illuminator, microphone, and speaker.

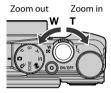


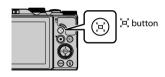
 When taking pictures in portrait ("tall") orientation, turn the camera so that the flash is above the lens.



## **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 A (snap-back zoom) button to temporarily widen the visible area so that you can frame the subject more easily.





## **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 (\(\sum\_6\)), 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.

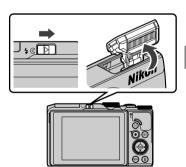
## When Using a Tripod

- We recommend using a tripod to stabilize the camera in the following situations:
  - When shooting in dim lighting with the flash mode set to (3) (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 (\$\sum\_2\$2) 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**

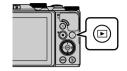
Display the shooting screen and press the (\*\overline{\pi}\) movie-record) button to start recording a movie. Press the (\*\overline{\pi}\) button again to end recording.



## **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 is 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.



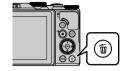
 In full-frame playback mode, move the zoom control toward W ( ) to switch to thumbnail playback mode and display multiple images on the screen.





## **Deleting Images**

Press the m (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.
  - You can also select the desired deletion method by rotating the command dial or multi selector.



- **3** Select **Yes** and press the **®** button.
  - · Deleted images cannot be recovered.



## **✓** 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 mutter button while a key picture is displayed for a sequence of images, all images in the sequence are deleted



- To delete individual images in a sequence, press the **®** button to display them one at a time and press the **m** button.
- Deleting the Image Captured While in Shooting Mode

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

# Connecting to a Smart Device (SnapBridge)

## Installing the SnapBridge App

When you install the SnapBridge app and establish a wireless connection between a SnapBridge-supported camera and smart device, you can upload images captured with the camera to the smart device, or use the smart device to release the camera shutter (118).



- Procedures are described using the SnapBridge app Version 2.0. Use
  the latest version of the SnapBridge app. The operating procedures may vary
  depending on the camera's firmware, version of the SnapBridge app, or OS of the
  smart device
- See the documentation provided with the smart device for information on how to use it.

## 1 Install the SnapBridge app on the smart device.

 Download the app on the Apple App Store® for iOS, and on Google Play™ for Android™. Search for "snapbridge" and then install it.





- Visit the applicable download site for more information about supported OS versions.
- The "SnapBridge 360/170 app" cannot be used with this camera.

## 2 Enable Bluetooth and Wi-Fi on the smart device.

 Use the SnapBridge app to connect to the camera. You cannot connect from the Bluetooth settings screen on the smart device.

## Screens in the SnapBridge App

- ① You can view notices from Nikon and the SnapBridge app Help, as well as configure the app's settings.
- ② Primarily perform connection settings for smart devices and cameras.
- ③ You can view, delete, or share images downloaded from the camera.



## Connecting the Camera and a Smart Device

- Use a sufficiently charged battery so that the camera does not turn off during the procedure.
- Insert a memory card with sufficient free space into the camera.
  - Camera: Select **Network menu** (22) → Connect to smart device, and press the 60 button.
    - The dialog in step 2 is displayed when you turn on the camera for the first time. This step is unnecessary in such cases.



**2** Camera: Press the ® button when the dialog on the right is displayed.

 A dialog prompting you whether to use the NFC function is displayed. If you will use the NFC function, touch the NFC antenna of the smart device to N (N-mark) on the camera. When Start pairing? is displayed on the smart device, tap OK and proceed to step 6. If you will not use the NFC function, press the 60 button.



Airplane mode

Connect to smart device

Send while shooting

- Camera: Confirm that the dialog on the right is displayed.
  - Prepare the smart device and proceed to the next step.



## 4 <u>Smart device</u>: Launch the SnapBridge app and tap **Pair with camera**.

- When the dialog to select a camera is displayed, tap the camera you want to connect to.
- If you did not connect to the camera by tapping Skip at the upper-right of the screen when launching the SnapBridge app for the first time, tap Pair with camera in the at and proceed to step 5.



## 5 <u>Smart device</u>: In the **Pair with camera** screen, tap the camera name.

 For iOS, if a dialog explaining the procedure is displayed when connecting, confirm the details and tap Understood (if it is not displayed, scroll down the screen).
 Tap the camera name again when the screen to select an accessory is displayed (it may take some time for the camera name to be displayed).



Camera/smart device:
Confirm that the
camera and smart
device display the
same number (six
digits).



- For iOS, the number may not be displayed on the smart device depending on the OS version. Proceed to step 7 in such cases
- Camera/smart device: Press the button on the camera and tap PAIR in the SnapBridge app.





## **8** Camera/smart device: Finish the connection settings.

Camera: Press the **®** button when the dialog on the right is displayed.

Smart device: Tap **OK** when the dialog indicating that pairing is complete is displayed.



## 9 <u>Camera</u>: 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. Enable location data features on the smart device, and in
  the 
  the tab of the SnapBridge app → Auto link options → enable Synchronize
  location data.
- You can synchronize the camera clock to the time reported by the smart device by selecting Yes when prompted. In the ☐ tab of the SnapBridge app → Auto link options → enable Synchronize clocks.

Connecting the camera and smart device is complete.

Still images captured with the camera are automatically uploaded to the smart device.

## To Learn More About Using the SnapBridge App

- See the online help for details on how to use the SnapBridge app (after connecting, refer
  to the SnapBridge app menu → Help).
  - https://nikonimglib.com/snbr/onlinehelp/en/index.html
- See the documentation "Reference Manual" (PDF format) provided with the camera for details on how to use it. You can download it from the Download Center. http://downloadcenter.nikonimglib.com

### If the Connection Is Unsuccessful

- If the camera displays Could not connect. when connecting
  - Press the button and repeat the procedure from step 2 ( 15) in "Connecting the Camera and a Smart Device" to connect again.
- Press the **MENU** button to cancel the connection.
- The issue may be solved by relaunching the app. Close the SnapBridge app completely
  and then tap the app icon again to launch it. When the app launches, repeat the
  procedure from step 1 (\(\superstack\)15) in "Connecting the Camera and a Smart Device".

## **Disabling or Enabling the Wireless Connection**

Use any of the following methods to disable or enable the connection.

- Switch the setting in Network menu → Airplane mode in the camera. You can set it to On to turn off all communication functions in places where wireless communication is prohibited.
- Switch the setting in Network menu → Bluetooth → Connection in the camera.

You can reduce battery consumption of the smart device by disabling this setting.

## **Image Upload and Remote Photography**

## **Image Upload**

There are three ways to upload images.

• Images in the internal memory cannot be uploaded.

	, ,
Automatically upload images to the smart device every time they are captured. 1, 2	Network menu in the camera → Send while shooting → set Still images to Yes.  Movies cannot be uploaded automatically.
Select images in the camera and upload them to the smart device. 1, 2	Playback menu in the camera → use Mark for upload to select images. Movies cannot be selected for upload.
Use the smart device to select images in the camera and download them to the smart device.	

1 The size of images that are uploaded is 2 megapixels.

- When Network menu → Bluetooth → Send while off in the camera is set to On, images are uploaded to the smart device automatically even when the camera is turned off.
- Depending on the iOS version, you must select the camera SSID when you tap OK. See "If a Dialog Related to Wi-Fi Connections Is Displayed in iOS" (QQ 19).

## Notes About When in a Wi-Fi Connection

- If the smart device enters sleep mode or you switch from the SnapBridge app to another app, the Wi-Fi connection will be disconnected.
- Some functions of the SnapBridge app cannot be used during a Wi-Fi connection. To cancel a Wi-Fi connection, tap the ☐ tab
   → ♠ → Yes.



## **Remote Photography**

You can tap the 

tab in the SnapBridge app → Remote photography to release the camera shutter using a smart device.

- Follow the instructions in the SnapBridge app to switch to a Wi-Fi connection. In iOS, a dialog related to Wi-Fi connections may be displayed. In such cases, see "If a Dialog Related to Wi-Fi Connections Is Displayed in iOS" (219).
- You cannot perform remote photography if a memory card is not inserted in the camera.

## If a Dialog Related to Wi-Fi Connections Is Displayed in iOS

The SnapBridge app normally connects the camera and smart device via Bluetooth. However, switch to a Wi-Fi connection when using **Download pictures** or remote photography. Depending on the iOS version, you must switch the connection manually. In such cases, use the following procedure to set the connection.

- Write down the camera SSID (camera name at default) and password displayed on the screen in the smart device, and then tap View options.
  - You can change the SSID or password by using Network
    menu → Wi-Fi → Network settings in the camera. To
    protect your privacy, we recommend that you change the
    password regularly. Disable the wireless connection when
    changing the password (□18).



## 2 Select the SSID you wrote down in step 1 from the list of connections.

- When you connect for the first time, input the password you wrote down in step 1 while taking note of uppercase and lowercase characters. Inputting the password is unnecessary after the first time connecting.

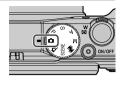




## **Other Functions**

## **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 ( 1880/180/180) or 180/181080/180 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  $\blacktriangle$  ( $\clubsuit$ )  $\blacktriangleleft$  ( $\maltese$ )  $\blacktriangleright$  ( $\maltese$ ) to set the functions described below.



#### 4 Flash mode

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

- (S) 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), శ 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<sup>1, 2</sup>
- MODE Playback mode menu (List by date mode)<sup>3</sup>
- Playback menu<sup>3</sup>
- 👣 Network menu
- Y Setup menu
- 1 Press the **MENU** button when the shooting screen is displayed.
- <sup>2</sup> Menu icons and available setting options vary depending on the shooting mode.
- 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.





## 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.





## 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



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.

#### Interface Cables

Use the interface cables sold or provided by Nikon for your equipment. Using other interface cables may exceed the limits of Class B Part 15 of the FCC rules.

#### Notice for Customers in the State of California

#### WARNING

Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm.

### Wash hands after handling.

Nikon Inc.,

1300 Walt Whitman Road, Melville, New York 11747-3064, U.S.A.

Tel: 631-547-4200

### **Notice for Customers in Canada**

CAN ICES-3 B / NMB-3 B

### **Notices for Customers in Europe**

#### CAUTIONS

## RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS.

This symbol indicates that electrical and electronic equipment is to be collected separately.

The following apply only to users in European countries:

- This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- Separate collection and recycling helps conserve natural resources and prevent negative consequences for human health and the environment that might result from incorrect disposal.
- For more information, contact the retailer or the local authorities in charge of waste management.

This symbol on the battery indicates that the battery is to be collected separately.

The following apply only to users in European countries:

- All batteries, whether marked with this symbol or not, are designated for separate collection at an appropriate collection point. Do not dispose of as household waste.
- For more information, contact the retailer or the local authorities in charge of waste management.



## 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 (\(\simegaz\)22) 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 Europe

#### **Declaration of Conformity (Europe)**

Hereby, Nikon Corporation, declares that COOLPIX A900 is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. The declaration of conformity may be consulted at

http://imaging.nikon.com/support/pdf/DoC\_A900.pdf.

## **Notice for customers in Singapore**

This device complies with radio-frequency regulations.

Complies with IMDA Standards DA103423

## **Caring for the Product**

Observe the precautions described below in addition to the warnings in "For Your Safety" (Qpvi-viii) 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 Nikonauthorized 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
  - 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:
   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" (\$\sum\_29\$) in "Caring for the Product" (\$\sum\_28\$).

## **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 (\(\subseteq\subseteq\subseteq\subseteq)\)

Problem	Cause/Solution	m
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.	3, 4, 29
	The power switch is enabled a few seconds after the battery is inserted. Wait a few seconds before pressing the power switch.	-
The camera turns off without warning.	The camera automatically turns off to save power (auto off function).	11
	The camera and battery may not work properly at low temperatures.	29
	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.	_
The monitor is blank.	The camera is off.	7
	The battery is exhausted.	9
	The camera automatically turns off to save power (auto off function).	11
	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.	_
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 200 and 2160/30p (4K UHD) or 200 and 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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- The N-Mark is a trademark or registered trademark of NFC Forum, Inc. in the United States and in other countries.
- All other trade names mentioned in this manual or the other documentation provided with your Nikon product are the trademarks or registered trademarks of their respective holders.

"Made for iPod," "Made for iPhone," and "Made for iPad" mean that an electronic accessory has been designed to connect specifically to iPod, iPhone, or iPad, respectively, and has been certified by the developer to meet Apple performance standards. Apple is not responsible for the operation of this device or its compliance with safety and regulatory standards. Please note that the use of this accessory with iPod, iPhone, or iPad may affect wireless performance.

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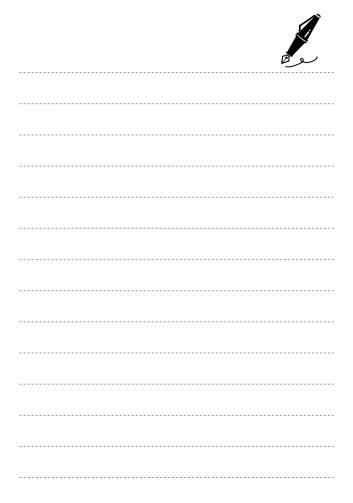
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