Format Memory/Format Card

Press the MENU button ➔ menu icon ➔ Format memory/Format card ➔ OK button

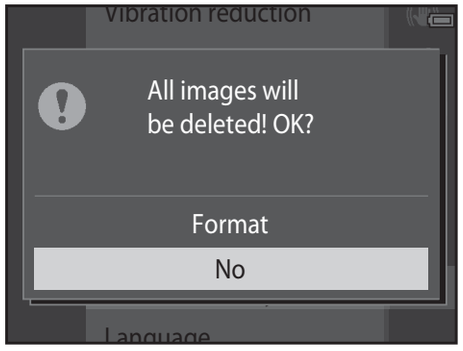
Use this option to format the internal memory or a memory card.

Formatting the internal memory or memory cards permanently deletes all data. Data that has been deleted cannot be recovered. Make sure to transfer important images to a computer before formatting.

- Do not turn the camera off or open the battery-chamber/memory card slot cover during formatting.

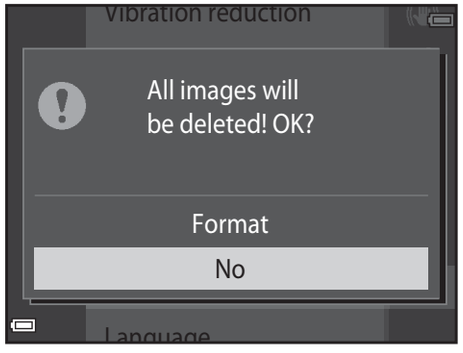
Formatting the Internal Memory

Remove the memory card from the camera. The **Format memory** option is displayed in the setup menu.



Formatting Memory Cards

Insert a memory card in the camera. The **Format card** option is displayed in the setup menu.



Language

Press the MENU button ➔ menu icon ➔ Language ➔ OK button

Select a language for display of camera menus and messages.

TV Settings

Press the MENU button ➔ menu icon ➔ TV settings ➔ OK button

Adjust settings for connection to a TV.

Option	Description
Video mode	Select from **NTSC** and **PAL**. Both **NTSC** and **PAL** are standards for analog color television broadcasting. • The available frame rates in **Movie options** (64) vary depending on the video mode setting.
HDMI	Select a resolution for HDMI output. When **Auto** (default setting) is selected, the option best suited to the TV to which the camera is connected is automatically selected from **480p**, **720p**, or **1080i**.
HDMI device control	When **On** (default setting) is selected, the HDMI-CEC-compatible TV's remote control can be used to control the camera during playback (23).

HDMI and HDMI-CEC

HDMI (High-Definition Multimedia Interface) is a multimedia interface. HDMI-CEC (HDMI-Consumer Electronics Control) allows compatible devices to inter-operate.

Charge by Computer

Press the MENU button ➔ menu icon ➔ Charge by computer ➔ OK button

Option	Description
AUTO Auto (default setting)	When the camera is connected to a computer that is running (📖83), the battery inserted into the camera is automatically charged using power supplied by the computer.
Off	The battery inserted into the camera is not charged when the camera is connected to a computer.

Notes About Charging with a Computer

- When connected to a computer, the camera automatically turns on and starts charging. If the camera is turned off, charging stops.
- About 3 hours and 15 minutes are required to charge a fully exhausted battery. Charging time increases when images are transferred while the battery is charging.
- The camera turns off automatically if there is no communication with the computer for 30 minutes after the battery has finished charging.

When the Charge Lamp Quickly Flashes Green

Charging cannot be performed, possibly due to one of the reasons described below.

- The ambient temperature is not suited to charging. Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F).
- The USB cable is not connected correctly, or the battery is faulty. Make sure the USB cable is connected correctly and replace the battery if necessary.
- The computer is in sleep mode and is not supplying power. Wake up the computer.
- The battery cannot be charged because the computer cannot supply power to the camera due to the computer's settings or its specifications.

Blink Warning

Press the MENU button ➔ menu icon ➔ Blink warning ➔ OK button

Select whether or not the camera detects human subjects that have blinked using face detection (📖64) when shooting in the following modes:

- SCENE (scene auto selector) mode (📖32)
- **Portrait** or **Night portrait** scene mode (📖34)
- (auto) mode (when **Face priority** (👓44) is selected for AF area mode option)

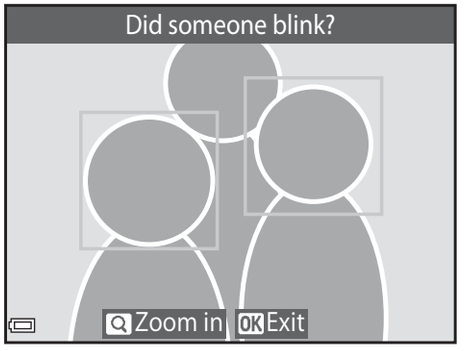
Option	Description
On	When one or more human subjects may have blinked in an image captured using face detection, the **Did someone blink?** screen is displayed in the monitor. Check the image and determine whether or not another image should be captured.
Off (default setting)	Blink warning is disabled.

The Blink Warning Screen

Faces detected by the blink warning are displayed inside a border.

The operations described below are available.

- To enlarge the face: Move the zoom control toward **T** (🔍). If more than one face is detected, use the multi selector ◀▶ to select the desired face.
- To switch to full-frame playback: Move the zoom control toward **W** (▦).



If you press the OK button, or if no operations are performed for a few seconds, the camera returns to shooting mode.

Notes About Blink Warning

- The blink warning is disabled at continuous settings other than **Single** (👓39).
- The blink warning may not function properly in some shooting conditions.

Wi-Fi Options

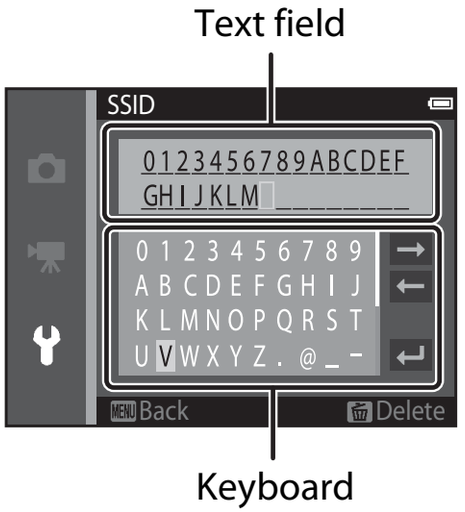
Press the MENU button ➔ menu icon ➔ Wi-Fi options ➔ OK button

Configure the Wi-Fi (wireless LAN) settings to connect the camera and a smart device.

Option	Description
Wi-Fi network	When wirelessly connecting the camera and a smart device, set **Wi-Fi network** to **On**. The default setting is **Off**. See "Using the Wi-Fi (Wireless LAN) Function" (📖80) for more information.
SSID	Change the SSID. The SSID configured here is displayed on the smart device. Set a 1- to 24-character alphanumeric SSID.
Auth./encryp.	Select whether or not to encrypt the communications between the camera and the connected smart device. Communications are not encrypted when **Open** (default setting) is selected.
Password	Set the password. Set a 8- to 16-character alphanumeric password.
Channel	Select the channel used for wireless connections.
Current settings	Display the current settings.
Restore factory defaults	Restore the Wi-Fi settings to their default values.

Operating the Text Input Keyboard

- Use the multi selector ▲▼◀▶ to select alphanumeric characters. Press the ⓞⓚ button to enter the selected character in the text field and move the cursor to the next space.
- To move the cursor in the text filed, select ← or → on the keyboard, and press the ⓞⓚ button.
- To delete one character, press the 🗑 button.
- To apply the setting, select ↵ on the keyboard and press the ⓞⓚ button.



☑ Notes About Wi-Fi Network

Wi-Fi network cannot be selected in the following situations:

- When an HDMI, USB or audio/video cable is connected to the camera
- When no memory card is inserted in the camera
- When an Eye-Fi card is inserted in the camera
- When the battery level indicator in the monitor indicates 🪫

Eye-Fi Upload

Press the MENU button ➔ menu icon ➔ Eye-Fi upload ➔ ⓞ button

Option	Description
Enable (default setting)	Upload images created by the camera to a preselected destination.
Disable	Images are not uploaded.

Notes About Eye-Fi Cards

- Note that images will not be uploaded if signal strength is insufficient even if **Enable** is selected.
- Remove your Eye-Fi card from the camera where wireless devices are prohibited. Signals may be transmitted even if **Disable** is selected.
- Refer to the instruction manual of your Eye-Fi card for more information. In the event of malfunction, contact the card manufacturer.
- The camera can be used to turn Eye-Fi cards on and off, but may not support other Eye-Fi functions.
- The camera is not compatible with the Endless Memory function. When it is set on a computer, disable the function. If the Endless Memory function is enabled, the number of images taken may not be displayed correctly.
- Eye-Fi cards are for use only in the country of purchase. Observe all local laws concerning wireless devices.
- Leaving the setting as **Enable** will result in the battery being depleted in a shorter period of time.

Eye-Fi Communication Indicator

The communication status of the Eye-Fi card in the camera can be confirmed in the monitor (📖7).

- : **Eye-Fi upload** is set to **Disable**.
- (lights): Eye-Fi upload enabled; waiting to begin upload.
- (flashes): Eye-Fi upload enabled; uploading data.
- : Eye-Fi upload enabled but no images available for upload.
- : An error occurred. The camera cannot control the Eye-Fi card.

Reset All

Press the MENU button ➔ menu icon ➔ Reset all ➔ OK button

When **Reset** is selected, the camera's settings are restored to their default values.

- Some settings, such as **Time zone and date** or **Language**, are not reset.

Resetting File Numbering

To reset file numbering to "0001", delete all images saved in the internal memory or on the memory card (📖30) before selecting **Reset all**.

Firmware Version

Press the MENU button ➔ menu icon ➔ Firmware version ➔ OK button

View the current camera firmware version.

Error Messages

Refer to the table below if an error message is displayed.

Display	Cause/Solution	🕮
Battery temperature is elevated. The camera will turn off.	The camera turns off automatically. Wait until the camera or battery temperature has cooled before resuming use.	–
The camera will turn off to prevent overheating.		
Memory card is write protected.	The write-protect switch is in the “lock” position. Slide the write-protect switch to the “write” position.	–
This card cannot be used.	An error occurred while accessing the memory card. • Use an approved card. • Check that the terminals are clean. • Confirm that the memory card is correctly inserted.	14, 22
This card cannot be read.		
Card is not formatted. Format card?	The memory card has not been formatted for use in the camera. Formatting deletes all data saved on the memory card. If you need to keep copies of any images, make sure to select **No** and save the copies to a computer or other medium before formatting the memory card. Select **Yes** and press the OK button to format the memory card.	5

Display	Cause/Solution	🕮
Not available if Eye-Fi card is locked.	The write-protect switch of the Eye-Fi card is in the "lock" position.	–
	An error occurred while accessing the Eye-Fi card. • Check that the terminals are clean. • Confirm that the Eye-Fi card is correctly inserted.	14
Out of memory.	Delete images or insert a new memory card.	14, 30, 77
Image cannot be saved.	An error occurred while saving the image. Insert a new memory card or format the internal memory or memory card.	81
	The camera has run out of file numbers. Insert a new memory card or format the internal memory or memory card.	81
	The image cannot be used for the welcome screen.	70
	There is insufficient space to save the copy. Delete images from the destination.	30
Album is full. No further pictures can be added.	200 images have already been added to the album. • Remove some images from the album. • Add to other albums.	8 6
Sound file cannot be saved.	A voice memo cannot be attached to this image. • Voice memos cannot be attached to movies. • Select an image captured with this camera.	–

Display	Cause/Solution	📖
Image cannot be modified.	Select images that support the editing function.	14, 14
Cannot record movie.	A time-out error occurred while saving the movie on the memory card. Select a memory card with a faster write speed.	73, 22
Memory contains no images.	There are no images in the internal memory or on the memory card. • Remove the memory card from the camera to play back images in the camera's internal memory. • To copy the images saved in the camera's internal memory to the memory card, press the **MENU** button to select **Copy** in the playback menu.	15 61
	No images have been added to the selected album.	6, 7
	No images are contained in the category selected in auto sort mode.	10
File contains no image data.	The file was not created or edited with this camera. The file cannot be viewed on this camera. View the file using a computer or the device used to create or edit this file.	–
This file cannot be played back.		
All images are hidden.	There are no images available for a slide show, etc.	56
This image cannot be deleted.	The image is protected. Disable protection.	57

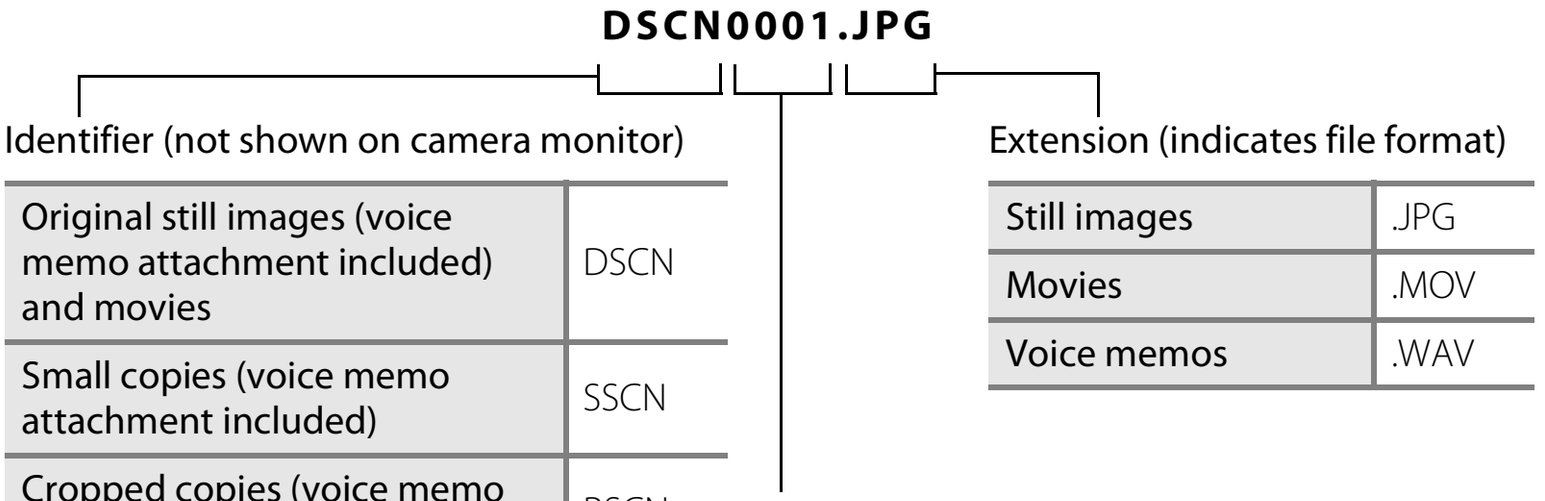
Display	Cause/Solution	🕮
No access.	The camera could not receive the communication signal from the smart device. Set **Wi-Fi network** to **On** in **Wi-Fi options** in the setup menu, and wirelessly connect the camera and smart device again.	81, 85
Could not connect.	The camera failed to establish the connection while receiving the communication signals from the smart device. Select a different channel in **Channel** in **Wi-Fi options** in the setup menu and establish the wireless connection again.	81, 85
Wi-Fi connection terminated.	A cable was connected to the camera while the camera and smart device were wirelessly connected, the battery level became low, or the connection was aborted due to poor connectivity. Disconnect the cable and establish the wireless connection again.	81, 85
Lens error	A lens error occurred. Turn the camera off and then on again. If the error persists, contact your retailer or Nikon-authorized service representative.	20
Communications error	An error occurred while communicating with the printer. Turn the camera off and reconnect the USB cable.	25
System error	An error occurred in the camera's internal circuitry. Turn the camera off, remove and reinsert the battery, and turn the camera on. If the error persists, contact your retailer or Nikon-authorized service representative.	10, 20

Display	Cause/Solution	🕮
Printer error: check printer status.	After solving the problem, select **Resume** and press the ⓞⓚ button to resume printing.*	–
Printer error: check paper.	Load the specified size of paper, select **Resume**, and press the ⓞⓚ button to resume printing.*	–
Printer error: paper jam.	Remove the jammed paper, select **Resume**, and press the ⓞⓚ button to resume printing.*	–
Printer error: out of paper.	Load the specified size of paper, select **Resume**, and press the ⓞⓚ button to resume printing.*	–
Printer error: check ink.	There is a problem with the printer's ink. Check the ink, select **Resume**, and press the ⓞⓚ button to resume printing.*	–
Printer error: out of ink.	Replace the ink cartridge, select **Resume**, and press the ⓞⓚ button to resume printing.*	–
Printer error: file corrupt.	There is a problem with the image file to be printed. Select **Cancel** and press the ⓞⓚ button to cancel printing.	–

* See the documentation provided with your printer for further guidance and information.

File Names

Images, movies, or voice memos are assigned file names as follows.



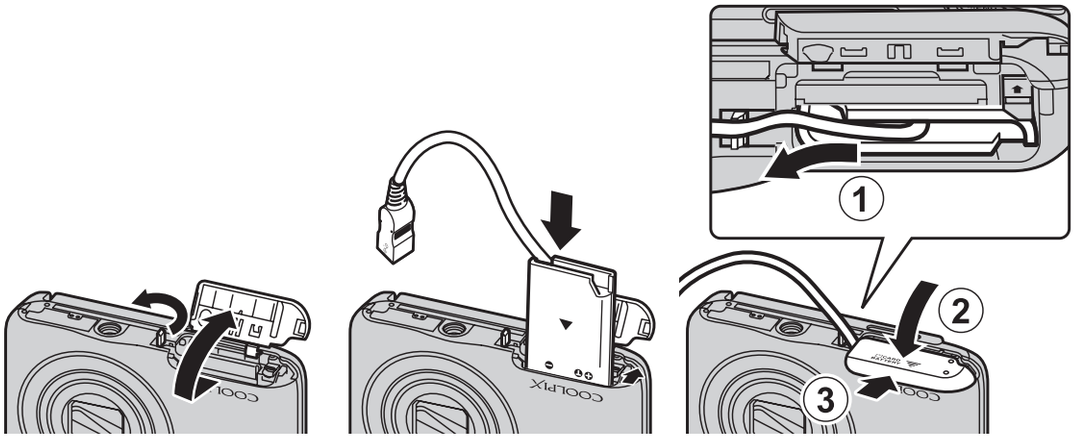
Original still images (voice memo attachment included) and movies	DSCN
Small copies (voice memo attachment included)	SSCN
Cropped copies (voice memo attachment included)	RSCN
Images created by an image editing function other than small picture or crop* (voice memo attachment included), and movies created by the movie editing function	FSCN

Still images	.JPG
Movies	.MOV
Voice memos	.WAV

* Including images edited using the quick effects function (📖45) in 📷 (auto) mode

- Voice memo file names have the same identifier and file number as the image to which the voice memo is attached.

Optional Accessories

Battery charger	Battery Charger MH-66 (Charging time when no charge remains: Approx. 1 h 50 min)
AC adapter	AC Adapter EH-62G (connect as shown)  Make sure that the power connector cord has been properly aligned in power connector and battery chamber grooves before closing the battery-chamber/memory card slot cover. If part of the cord runs out of the grooves, the cover or cord may be damaged when the cover is closed.
Audio/video cable	Audio Video Cable EG-CP16

Availability may vary with country or region.
See our website or brochures for the latest information.

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Caring for the Product

The Camera

To ensure continued enjoyment of this Nikon product, observe the precautions described below in addition to the warnings in "For Your Safety" (📖viii-x) when using or storing the device.

☑ Do Not Drop

The product may malfunction if subjected to strong shock or vibration.

☑ Handle the Lens and All Moving Parts with Care

Do not apply force to the lens, lens cover, monitor, memory card slot, or battery chamber. These parts are easily damaged. Applying force to the lens cover could result in camera malfunction or damage to the lens. 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.

☑ 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. Strong static charge or the magnetic fields produced by equipment such as radio transmitters could interfere with the monitor, damage data saved on the memory card, or affect the product's internal circuitry.

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 deterioration of the image sensor, producing a white blur effect in photographs.

Turn the Product off Before Removing or Disconnecting the Power Source

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 product memory or internal circuitry.

Notes About the Monitor

- Monitors and 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.
- The monitor is lit by an LED backlight. Should the monitor begin to dim or flicker, contact your Nikon-authorized service representative.

The Battery

Be sure to read and follow the warnings in "For Your Safety" (📖viii-x) before use.

- Check the battery level before using the camera and replace or charge the battery if necessary. Do not continue charging once the battery is fully charged as this will result in reduced battery performance. Whenever possible, carry a fully charged spare battery when taking images on important occasions.
- Do not use the battery at ambient temperatures below 0°C (32°F) or above 40°C (104°F).
- Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F) before use.
- 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 45°C (113°F).

- Note that the battery may become hot during use; wait for the battery to cool before charging. Failure to observe these precautions could damage the battery, impair its performance, or prevent it from charging normally.
- On cold days, the capacity of batteries tends to decrease. If an exhausted battery is used at a low temperature, the camera will not turn on. Be sure that the battery is fully charged before heading outside to take images in cold weather. Keep spare batteries in a warm place and exchange as necessary. Once warmed, a cold battery may recover some of its charge.
- Dirt on the battery terminals can prevent the camera from functioning. Should the battery terminals become dirty, wipe them off with a clean, dry cloth before use.
- If the battery will not be used for some time, insert it in the camera and completely exhaust it before removing it for storage. The battery should be stored in a cool 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.
- Always remove the battery from the camera or optional battery charger when it is not being used. When inserted, minute amounts of current are drawn from the battery even when not in use. This may result in excessive draining of the battery and complete loss of function. Turning the camera on or off while the battery is exhausted can result in reduced battery life.
- Recharge the battery at least once every six months and completely exhaust it before returning it to storage.
- After removing the battery from the camera or optional battery charger, put the battery in the included battery case and store it in a cool place.
- 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 EN-EL19 battery.
- 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.

Charging AC Adapter

Be sure to read and follow the warnings in "For Your Safety" (📖viii-x) before use.

- The Charging AC Adapter EH-70P is for use only with compatible devices. Do not use with another make or model of device.
- The EH-70P 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.

- Do not, under any circumstances, use another make or model of AC adapter other than Charging AC Adapter EH-70P or USB-AC adapter. Failure to observe this precaution could result in overheating or in damage to the camera.

Memory Cards

- Use only Secure Digital memory cards. See "Approved Memory Cards" (22) for recommended memory cards.
- Observe the precautions noted in the documentation included with your memory card.
- Do not affix labels or stickers to the memory card.
- Do not format the memory card using a computer.
- The first time you insert a memory card that has been used in another device into this camera, be sure to format it with this camera. We recommend formatting new memory cards with this camera before using them with this camera.
- Note that ***formatting a memory card permanently deletes all images and other data on the memory card***. If there is data saved on the memory card that you wish to keep, copy that data to a computer before formatting.
- If the message **Card is not formatted. Format card?** is displayed when the camera is turned on, the memory card must be formatted. If there is data on the memory card that you do not want to delete, select **No** and press the OK button. Copy that data to a computer before formatting. To format the memory card, select **Yes**.
- Observe the following precautions while formatting the memory card, saving and deleting images, and copying images to a computer, otherwise data or the memory card itself may be damaged.
  - Do not open the battery-chamber/memory card slot cover or remove the memory card or battery.
  - Do not turn off the camera.
  - Do not disconnect the AC adapter.

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 them 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

Turn the camera off when not in use. Be sure that the power-on lamp is off before putting the camera away. Remove the battery if the camera will not be used for an extended period. Do not store the camera with naphtha or camphor moth balls, or in any of the following locations:

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

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.

For storing the battery, follow the precautions in "The Battery" (3) in "Caring for the Product" (2).

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.

Power, Display, Settings Issues

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.	20, 95
Battery inserted in the camera cannot be charged.	• Confirm all connections. • When connected to a computer, the camera may not charge for any of the reasons described below. - **Off** is selected for **Charge by computer** in the setup menu. - Battery charging stops if the camera is turned off. - Battery charging is not possible if the camera's display language and date and time have not been set, or the date and time were reset after the camera's clock battery was exhausted. Use the Charging AC Adapter to charge the battery. - Battery charging may stop if the computer is in sleep mode. - Depending upon the computer specifications, settings, and status, battery charging may not be possible.	12 79, 83 – 16, 18 – –
Camera cannot be turned on.	The battery is exhausted.	20

Problem	Cause/Solution	🕮
Camera turns off without warning.	• The camera automatically turns off to save power (auto off function). • The camera or battery have become too cold and cannot operate properly. • 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 camera turns off if the USB cable connecting it to a computer or printer is disconnected. Reconnect the USB cable.	21 🔆3 – 83, 88, 👓25
Monitor is blank.	• The camera is off. • The camera has entered standby mode to save power. Press the power switch, shutter-release button, 📷 button, ▶ button, or ● (🎥 movie-record) button. • The flash lamp flashes while the flash is charging. Wait for the flash to charge. • The camera and computer are connected via the USB cable. • The camera and TV are connected via an audio/video cable or HDMI cable.	20 1, 21 49 83, 88 83, 👓22
Monitor is hard to read.	• Adjust the monitor brightness. • The monitor is dirty. Clean the monitor.	78, 👓73 🔆6
Date and time of recording are not correct.	• If the camera clock has not been set, the "Date not set" indicator flashes during shooting and movie recording. Images and movies saved before the clock is set are dated "00/00/0000 00:00" or "01/01/2013 00:00" respectively. Set the correct time and date from the **Time zone and date** option in the setup menu. • The camera clock is not as accurate as ordinary watches or clocks. Periodically compare the time of the camera clock with that of a more accurate timepiece and reset as required.	16, 78, 👓71

Problem	Cause/Solution	🕮
No indicators displayed in monitor.	**Hide info** is selected for **Photo info** in **Monitor settings** in the setup menu.	78, 👓73
Print date not available.	**Time zone and date** has not been set in the setup menu.	16, 78, 👓71
Date not imprinted on images even when **Print date** is enabled.	• The current shooting mode does not support **Print date**. • The date cannot be imprinted on movies.	78, 👓75
Screen for setting time zone and date is displayed when camera is turned on.	The clock battery is exhausted; all settings were restored to their default values.	16, 18
Camera settings reset.		
Monitor turns off, and the power-on lamp flashes quickly.	The battery temperature is high. Turn off the camera and allow the battery to cool down before resuming use. After the lamp flashes for three minutes, the camera turns off automatically. Pressing the power switch also turns off the camera.	–
Camera becomes hot.	The camera may become hot when used for an extended period of time to shoot movies or send images using an Eye-Fi card, or when used in a hot environment; this is not a malfunction.	–
Camera makes sound.	When **Autofocus mode** is set to **Full-time AF** or while in some shooting modes, the camera may produce an audible focusing sound.	58, 75

Shooting Issues

Problem	Cause/Solution	🕮
Cannot switch to shooting mode.	• Disconnect the HDMI cable or USB cable. • The camera cannot be switched to shooting mode while connected to a power outlet via the Charging AC Adapter.	83, 88, 👓22, 👓25 12
No image captured when the shutter-release button is pressed.	• When the camera is in playback mode, press the 📷 button, the shutter-release button, or the ● (🎥 movie-record) button. • When menus are displayed, press the **MENU** button. • The battery is exhausted. • When the flash lamp is flashing, the flash is charging.	1, 28 4 20 49
Camera cannot focus.	• The subject is too close. Try shooting using scene auto selector mode, **Close-up** scene mode, or macro mode. • The subject is hard to focus on. • Set **AF assist** in the setup menu to **Auto**. • Turn the camera off and then on again.	32, 36, 53 66 79, 👓79 20
Images are blurred.	• Use the flash. • Increase the ISO sensitivity value. • Enable vibration reduction or motion detection. • Use **BSS** (Best Shot Selector). • Use a tripod to stabilize the camera when shooting (using the self-timer at the same time is more effective).	49 58 78 37, 58, 👓39 51

Problem	Cause/Solution	🕮
Bright specks appear in images captured with flash.	The flash is reflecting off particles in the air. Set the flash mode setting to (off).	50
Flash does not fire.	• The flash mode is set to (off). • A scene mode that restricts the flash is selected. • **On** is selected for **Blink proof** in the smart portrait menu. • **On (continuous)** or **On (BSS)** is selected for **Smile timer** in the smart portrait menu. • A function that restricts the flash is enabled.	49 55 59 59 60
Digital zoom cannot be used.	• **Digital zoom** is set to **Off** in the setup menu. • Digital zoom cannot be used in the following situations. - When **Portrait**, **Night portrait**, **Night landscape**, **Backlighting** (when **HDR** is set to **On**), **Easy panorama**, or **Pet portrait** is selected in scene mode - When smart portrait mode is selected - When **Continuous** in the shooting menu is set to **Multi-shot 16** - When **AF area mode** in the shooting menu is set to **Subject tracking** • The gesture control function is in use.	79, 79 34 42 58, 39 58, 44 46, 76
Image mode not available.	A function that restricts the **Image mode** option is enabled.	60
No sound when shutter is released.	**Off** is selected for **Sound settings** > **Shutter sound** in the setup menu. No sound is produced with some shooting modes and settings, even when **On** is selected.	79, 80

Problem	Cause/Solution	🕮
AF-assist illuminator does not light.	• **Off** is selected for the **AF assist** option in the setup menu. AF-assist illuminator may not light depending on the position of the focus area or the current scene mode, even when **Auto** is selected. • The gesture control function is in use.	79, 79 46, 76
Images appear smeared.	The lens is dirty. Clean the lens.	6
Colors are unnatural.	White balance or hue is not adjusted properly.	36, 58, 36
Randomly spaced bright pixels ("noise") appear in image.	The subject is dark, and the shutter speed is too slow or ISO sensitivity is too high. Noise can be reduced by: • Using the flash. • Specifying a lower ISO sensitivity setting.	 49 58, 42
Images are too dark (underexposed).	• The flash mode is set to (off). • The flash window is blocked. • The subject is beyond the range of the flash. • Adjust exposure compensation. • Increase ISO sensitivity. • The subject is backlit. Select **Backlighting** scene mode or set the flash mode setting to (fill flash).	49 24 49 54 58, 42 37, 49
Images are too bright (overexposed).	Adjust exposure compensation.	54
Unexpected results when flash set to (auto with red-eye reduction).	When taking images with (auto with red-eye reduction), scene auto selector mode, or fill flash with slow sync and red-eye reduction in **Night portrait** scene mode, In-Camera Red Eye Fix may be applied to areas not affected by red-eye in rare cases. Use any scene mode other than **Night portrait**, and change the flash mode to any setting other than (auto with red-eye reduction) and try taking an image again.	32, 35, 49

Problem	Cause/Solution	🕮
Skin tones are not softened.	• In some shooting conditions, facial skin tones may not be softened. • For images containing four or more faces, try using the **Skin softening** effect in **Glamour retouch** in the playback menu.	42 70, 18
Saving images takes time.	It may take more time to save images in the following situations. • When the noise reduction function is in operation, such as when shooting in a dark environment • When the flash mode is set to (auto with red-eye reduction) • When shooting in **Night landscape**, **Night portrait**, or **Backlighting** (when **HDR** is set to **On**) scene mode • When the skin softening function is applied while shooting • When using continuous shooting mode	 – 50 35, 36, 37 59 58, 39
A ring-shaped belt or rainbow-colored stripe appears in the monitor or images.	When shooting with backlighting or when a very strong light source (such as sunlight) is in the frame, a ring-shaped belt or rainbow-colored stripe (ghosting) may occur. Change the position of the light source, or frame the image so that the light source does not enter the frame, and try again.	–

Playback Issues

Problem	Cause/Solution	🕮
File cannot be played back.	• This camera may not be able to play back images saved with another make or model of digital camera. • This camera cannot play back movies recorded with another make or model of digital camera. • This camera may not be able to play back data edited on a computer.	–
Cannot zoom in on image.	• Playback zoom cannot be used with movies, small pictures, or images that have been cropped to a size of 320 × 240 or smaller. • This camera may not be able to zoom in on images captured with another make or model of digital camera.	–
Cannot record voice memos.	• Voice memos cannot be attached to movies. • Voice memos cannot be attached to images captured with other cameras. Voice memos attached to images using another camera cannot be played back on this camera.	– 70, 60
Cannot edit image.	• Some images cannot be edited. Images that have already been edited may not be edited again. • There is not enough free space in the internal memory or on the memory card. • This camera is unable to edit images captured with other cameras. • Editing functions used for images are not available for movies.	38, 14 – 70, 14 –

Problem	Cause/Solution	🕮
Cannot rotate image.	This camera cannot rotate images captured with another make or model of digital camera.	–
Images are not displayed on TV.	• **Video mode** or **HDMI** is not correctly set in the **TV settings** setup menu. • The cables are connected to the HDMI micro connector (Type D) and to the USB/audio/video output connector simultaneously. • The memory card contains no images. Replace the memory card to play back images from the internal memory.	79, 82 83, 88, 22, 25 15
Nikon Transfer 2 does not start when camera is connected to a computer.	• The camera is off. • The battery is exhausted. • The USB cable is not correctly connected. • The camera is not recognized by the computer. • Confirm system requirements. • The computer is not set to start Nikon Transfer 2 automatically. For more information about Nikon Transfer 2, refer to help information contained in ViewNX 2.	20 20 83, 88 – 85 90
The PictBridge startup screen is not displayed when the camera is connected to a printer.	With some PictBridge-compatible printers, the PictBridge startup screen may not be displayed and it may be impossible to print images when **Auto** is selected for the **Charge by computer** option in the setup menu. Set the **Charge by computer** option to **Off** and reconnect the camera to the printer.	79, 83

Problem	Cause/Solution	🕮
Images to be printed are not displayed.	• The memory card contains no images. Replace the memory card. • Remove the memory card to print images from the internal memory.	14 15
Cannot select paper size with camera.	The camera cannot be used to select the paper size in the following situations, even when printing from a PictBridge-compatible printer. Use the printer to select the paper size. • The printer does not support the paper sizes specified by the camera. • The printer automatically selects the paper size.	 83, 🕶28, 🕶29 –

Specifications

Nikon COOLPIX S6600 Digital Camera

Type	Compact digital camera
Number of effective pixels	16.0 million
Image sensor	1/2.3-in. type CMOS; approx. 16.79 million total pixels
Lens	NIKKOR lens with 12× optical zoom
Focal length	4.5-54.0 mm (angle of view equivalent to that of 25-300 mm lens in 35mm [135] format)
f/-number	f/3.3-6.3
Construction	9 elements in 7 groups (1 ED lens element)
Digital zoom magnification	Up to 4× (angle of view equivalent to that of approx. 1200 mm lens in 35mm [135] format)
Vibration reduction	Lens shift
Motion blur reduction	Motion detection (still pictures)
Autofocus (AF)	Contrast-detect AF
Focus range	• [W]: Approx. 50 cm (1 ft 8 in.)–∞, [T]: Approx. 1.5 m (5 ft)–∞ • Macro mode: Approx. 2 cm (0.8 in.)–∞ (wide-angle position) (All distances measured from center of front surface of lens)
Focus-area selection	Face priority, manual with 99 focus areas, center, subject tracking, target finding AF
Monitor	6.7 cm (2.7-in.), approx. 460k-dot, TFT LCD with anti-reflection coating and 5-level brightness adjustment
Frame coverage (shooting mode)	Approx. 97% horizontal and 97% vertical (compared to actual picture)
Frame coverage (playback mode)	Approx. 99% horizontal and 99% vertical (compared to actual picture)

Storage	
Media	Internal memory (approx. 25 MB), SD/SDHC/SDXC memory card
File system	DCF, Exif 2.3, and DPOF compliant
File formats	Still pictures: JPEG Sound files (Voice Memo): WAV Movies: MOV (Video: H.264/MPEG-4 AVC, Audio: LPCM stereo)
Image size (pixels)	• 16M (High) [4608 × 3456★] • 16M [4608 × 3456] • 8M [3264 × 2448] • 4M [2272 × 1704] • 2M [1600 × 1200] • VGA [640 × 480] • 16:9 [4608 × 2592] • 1:1 [3456 × 3456]
ISO sensitivity (Standard output sensitivity)	• ISO 125-1600 • ISO 3200, Hi 1 (equivalent to ISO 6400) (available when using Auto mode)
Exposure	
Metering mode	Matrix, center-weighted (digital zoom less than 2×), spot (digital zoom 2× or more)
Exposure control	Programmed auto exposure and exposure compensation (–2.0 – +2.0 EV in steps of 1/3 EV)
Shutter	Mechanical and CMOS electronic shutter
Speed	• 1/2000-1 s • 1/4000 s (maximum speed during high-speed continuous shooting) • 4 s (**Fireworks show** scene mode)
Aperture	Electronically-controlled ND filter (–2 AV) selection
Range	2 steps (f/3.3 and f/6.6 [W])
Self-timer	Can be selected from 10 s and 2 s

Flash	
Range (approx.) (ISO sensitivity: Auto)	[W]: 0.5–3.0 m (1 ft 8 in.–9 ft 10 in.) [T]: 1.5–1.8 m (5 ft–5 ft 10 in.)
Flash control	TTL auto flash with monitor preflashes
Interface	Hi-Speed USB
Data transfer protocol	MTP, PTP
Video output	Can be selected from NTSC and PAL
HDMI output	Can be selected from Auto, 480p, 720p, and 1080i
I/O terminal	Audio/video (A/V) output; digital I/O (USB) HDMI micro connector (Type D) (HDMI output)
Supported languages	Arabic, Bengali, Bulgarian, Chinese (Simplified and Traditional), Czech, Danish, Dutch, English, Finnish, French, German, Greek, Hindi, Hungarian, Indonesian, Italian, Japanese, Korean, Marathi, Norwegian, Persian, Polish, Portuguese (European and Brazilian), Romanian, Russian, Serbian, Spanish, Swedish, Tamil, Telugu, Thai, Turkish, Ukrainian, Vietnamese
Power sources	One Rechargeable Li-ion Battery EN-EL19 (included) AC Adapter EH-62G (available separately)
Charging time	Approx. 3 h (when using Charging AC Adapter EH-70P and when no charge remains)
Battery life[1]	
Still pictures	Approx. 150 shots when using EN-EL19
Movies (actual battery life for recording)[2]	Approx. 25 min when using EN-EL19
Tripod socket	1/4 (ISO 1222)
Dimensions (W × H × D)	Approx. 96.9 × 57.1 × 27.2 mm (3.9 × 2.3 × 1.1 in.) (excluding projections)
Weight	Approx. 165 g (5.9 oz) (including battery and SD memory card)

Operating environment	
Temperature	0°C–40°C (32°F–104°F)
Humidity	85% or less (no condensation)
Wi-Fi (Wireless LAN)	
Standards	IEEE 802.11b/g/n (standard wireless LAN protocol)
Communications protocols	IEEE 802.11b: DBPSK/DQPSK/CCK IEEE 802.11g: OFDM IEEE 802.11n: OFDM
Range (line of sight)	Approx. 10 m (11 yd)
Operating frequency	2412-2462 MHz (1-11 channels)
Data rates (actual measured values)	IEEE 802.11b: 5 Mbps IEEE 802.11g: 20 Mbps IEEE 802.11n: 20 Mbps
Security	WPA2
Access protocols	Infrastructure

- Unless otherwise stated, all figures assume a fully-charged battery and an ambient temperature of 23 ±3°C (73.4 ±5.4°F) as specified by the Camera and Imaging Products Association (CIPA).

[1] Battery life may vary depending on conditions of use, such as the interval between shots or the length of time that menus and images are displayed.

[2] Individual movie files cannot exceed 4 GB in size or 29 minutes in length. Recording may end before this limit is reached if camera temperature becomes elevated.

Rechargeable Li-ion Battery EN-EL19

Type	Rechargeable lithium-ion battery
Rated capacity	DC 3.7 V, 700 mAh
Operating temperature	0°C–40°C (32°F–104°F)
Dimensions (W × H × D)	Approx. 31.5 × 39.5 × 6 mm (1.3 × 1.6 × 0.3 in.)
Weight	Approx. 14.5 g (0.5 oz) (excluding battery case)

Charging AC Adapter EH-70P

Rated input	AC 100-240 V, 50/60 Hz, 0.07-0.044 A
Rated output	DC 5.0 V, 550 mA
Operating temperature	0°C–40°C (32°F–104°F)
Dimensions (W × H × D)	Approx. 55 × 22 × 54 mm (2.2 × 0.9 × 2.2 in.) (excluding plug adapter) For Argentina: Approx. 55 × 59 × 63 mm (2.2 × 2.4 × 2.5 in.) For Korea: Approx. 55 × 59 × 66.5 mm (2.2 × 2.4 × 2.7 in.)
Weight	Approx. 47 g (1.7 oz) (excluding plug adapter) For Argentina and Korea: Approx. 72 g (2.6 oz)

Specifications

- Nikon will not be held liable for any errors this manual may contain.
- The appearance of this product and its specifications are subject to change without notice.

Approved Memory Cards

The following Secure Digital (SD) memory cards have been tested and approved for use in this camera.

- Memory cards with an SD Speed Class rating of 6 or faster are recommended for recording movies. When using a memory card with a lower Speed Class rating, movie recording may stop unexpectedly.

	SD memory card	SDHC memory card [2]	SDXC memory card [3]
SanDisk	2 GB[1]	4 GB, 8 GB, 16 GB, 32 GB	64 GB, 128 GB
TOSHIBA	–	4 GB, 8 GB, 16 GB, 32 GB	64 GB
Panasonic	2 GB[1]	4 GB, 8 GB, 16 GB, 32 GB	64 GB
Lexar	–	4 GB, 8 GB, 16 GB, 32 GB	64 GB, 128 GB

[1] If the memory card will be used with a card reader or similar device, make sure that the device supports 2 GB cards.

[2] SDHC compliant.
If the memory card will be used with a card reader or similar device, make sure that the device supports SDHC.

[3] SDXC compliant.
If the memory card will be used with a card reader or similar device, make sure that the device supports SDXC.

- Contact the manufacturer for details on the above cards. We cannot guarantee camera performance when using memory cards made by other manufacturers.

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See **http://www.mpegla.com**.

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