

User Guide



Insignia 10 Megapixel Digital Camera

NS-DSC10SL



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Important safety instructions

- 1 Read these instructions.
- 2 Keep these instructions.
- 3 Heed all warnings.
- 4 Follow all instructions.
- 5 Do not use your camera near water.
- 6 Clean only with a dry cloth.
- 7 Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
- 8 Do not leave your camera near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
- 9 Protect the power cord from being walked on or pinched particularly at plugs and the point where they exit from your camera.
- 10 Only use attachments/accessories specified by the manufacturer.

- 11 Unplug your camera during lightning storms or when unused for long periods of time.
- 12 Refer all servicing to qualified service personnel. Servicing is required when your camera has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into your camera, your camera has been exposed to rain or moisture, does not operate normally, or has been dropped.
- 13 To reduce the risk of fire or electric shock, do not expose your camera to rain, moisture, dripping, or splashing, and no objects filled with liquids, such as vases, shall be placed on it.
- 14 Batteries should not be exposed to excessive heat such as direct sunlight, fire, or the like.

Caution

Danger of explosion if battery is incorrectly replaced. Replace only with the same or equivalent type.

Insignia 10 Megapixel Camera

Introduction

Congratulations on your purchase of a high-quality Insignia product. Your NS-DSC10SL is designed for reliable and trouble-free performance.

Features

- 10 megapixel resolution
- 3x optical zoom and 5x digital zoom
- 1/2.3-inch image sensor
- 2.7-inch color LCD monitor
- 32 MB internal flash memory (~20 MB is available for still image and video capture)
- Supports SD cards up to 4 GB and SDHC cards up to 32 GB
- Simplified user menus
- Slideshow feature to review your images
- USB port to transfer photos and videos to your computer

Package contents

- Digital camera
- Li-ion battery
- Wrist strap
- Battery charger
- CD with *User Guide*
- USB cable
- *Quick Setup Guide*

System requirements

In order to get the most out of your camera, your computer must meet the following system requirements:

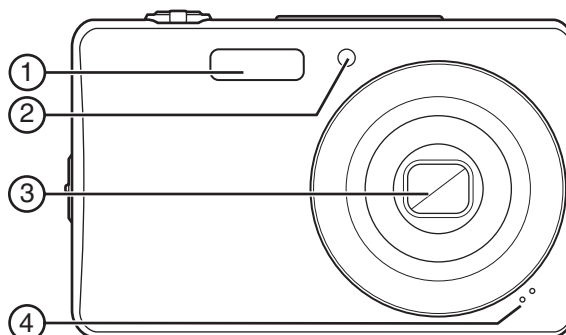
Windows operating systems:

- Windows® XP, Windows Vista®, or Windows® 7
- Pentium II 450 MHz or above processor
- 256 MB or more of memory
- 200 MB or more of hard drive space
- 16-bit color display monitor
- USB port and CD drive

Macintosh operating systems:

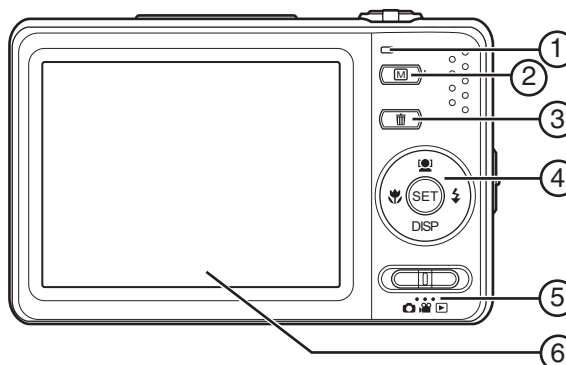
- Power Mac G3 or later
- Mac OS 10.0 or higher
- 64 MB or more of memory
- 110 MB or more of hard drive space
- USB port and CD drive



Front




#	Item	Description
①	Flash	Provides light in low light environments.
②	Self-timer/focus light	Blinks amber when the self-timer is turned on. As the timer nears the end, the lamp blinks faster. When the Focus light is turned on in the OSD, lights amber when the shutter button is pressed half way. Note: The focus light can only be turned on or off when Simple mode is off. The focus light is automatically turned on when Simple mode is on.
③	Zoom lens	Focuses the image when taking images or videos.
④	Microphone	Records sound during video recording.

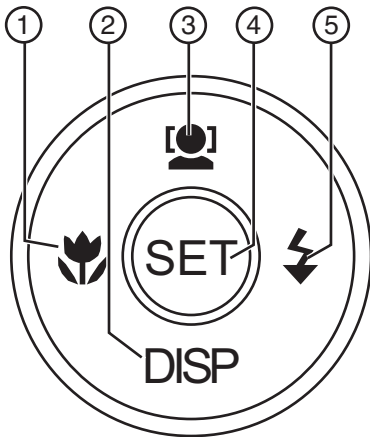
Back






#	Item	Description
		Off —Camera is turned off. Green (steady) —Camera is turned on and ready to record or play back. Green (fast blinking) —Camera is busy processing data or deleting, copying, recording, or transferring is in progress. Green (slow blinking) —In Photo and Video mode, the flash is charging or AF (auto focus) will not lock due to your camera's distance from the subject or unusual lighting conditions.
①	Operation lamp	
②	 (Menu button)	Press to open the on-screen display (OSD).
③	 (Delete button)	In playback mode, press to delete an image or video.

#	Item	Description
④	SET button/four-way navigation control	See "SET button/navigation control" on page 3.
⑤	 (Mode slider)	Slide to change the mode. You can select Photo mode, Video mode, or Playback mode.
⑥	LCD screen	Displays the image being recorded and icons that indicate camera status.

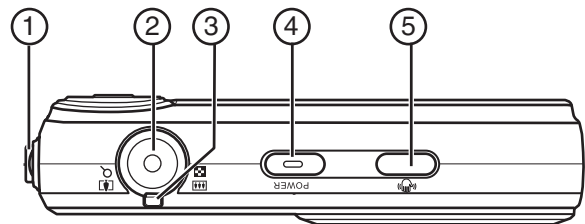
SET button/navigation control



#	Item	Description
①	 (Macro/◀)	<ul style="list-style-type: none"> In Photo or Video mode, press to turn Macro mode on or off. In Playback mode, press to select the previous image or video. During video playback, press to fast-reverse the video. In Menu mode, press to exit a sub-menu.
②	DISP (▼)	<ul style="list-style-type: none"> In Photo or Video mode, press to show or hide OSD icons. In Video playback mode, press to stop playback. In Menu mode, press to navigate through menu and sub-menu selections.
③	 (Face tracking/▲)	<ul style="list-style-type: none"> In Photo mode, press to turn face tracking on or off. Note: Face tracking is only available for still images. In Video playback mode, press to start or pause playback. In Menu mode, press to navigate through menus and sub-menu selections.
④	SET	<ul style="list-style-type: none"> In Menu mode, press to confirm selections. When playing a video, press to show or hide the volume and playback bars. When viewing thumbnails, press to show the selected image or video full screen. During a slideshow, press to exit. Note: SET toggles the volume and playback bars on or off during video playback.

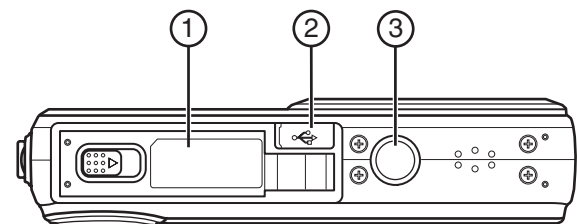
#	Item	Description
⑤	 (Flash/▶)	<ul style="list-style-type: none"> In Photo mode, press to toggle between flash modes (Auto, Red-eye Reduction, Forced On, Slow Sync, or Off). Note: Flash modes are only available for still images. In Playback mode, press to select the next image or video. During video playback, press to fast-forward through the video. In Menu mode, press to enter sub-menus or navigate through menu selections.

Top



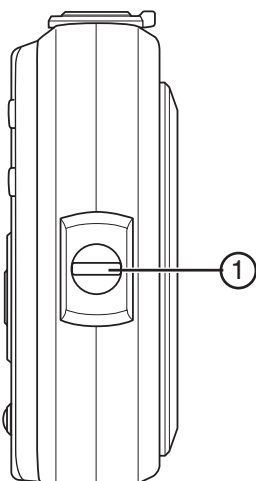
#	Item	Description
①	Strap ring	Attach the wrist strap to this ring. See "Attaching the wrist strap" on page 6.
②	Shutter button	Press half way (half-press) to let your camera automatically adjust the focus and exposure. When the focus and exposure are set the focus the bracket turns green. Fully press to capture the image.
③	Zoom control	Turn right or left to zoom in or out.
④	POWER button	Press to turn your camera on or off.
⑤	Stabilizer button	Press to turn the image stabilizer feature on or off.

Bottom



#	Item	Description
①	Battery/SD/SDHC card compartment	Holds the battery and an SD or SDHC memory card.
②	USB port	Connect the included USB cable to this port and to a USB port on a computer to transfer images from your camera to the computer. See "Connecting your camera to a computer" on page 20.
③	Tripod screw hole	Screw a tripod into this hole to provide stability when capturing images or videos.

Left



#	Item	Description
①	Strap ring	Attach the wrist strap to this ring. See "Connecting your camera to a computer" on page 20.

Sound indicators

Your camera is equipped with a buzzer to provide sounds that indicate specific actions.

Sound	Camera status
One beep	Indicates the start of an operation such as recording. Also sounds when using menus and setting options.
Two beeps	Indicates the completion of an operation.
Three beeps	Indicates a warning message, such as low battery level, memory card full, or memory card error.
Continual beep	When the self-timer is set, beeps every second between 10 and 4 seconds, then beeps every half second from 3 seconds until the timer expires.
Shutter	Sounds when your camera records a image.

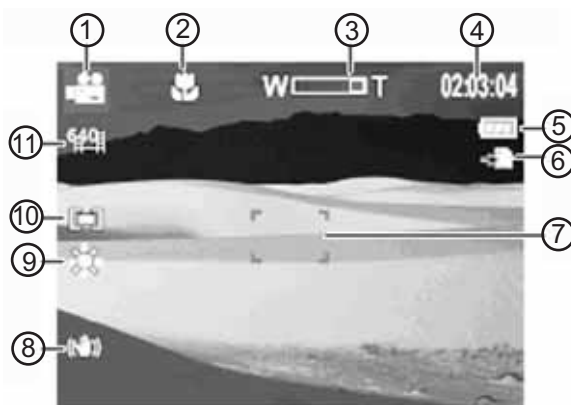
LCD Photo mode icons








#	Item	Description
①		Photo mode icon
②		Flash icon

#	Item	Description
③		Macro icon
④		Self-timer icon
⑤		Zoom icon
⑥	307	Indicates the number of shots remaining in the internal memory or memory card (if inserted)
⑦		Battery level icon
⑧		Storage media in use icon
⑨	Focus area	Use to frame the subject of the image
⑩		Shake warning icon
⑪	Histogram	Displays the light level of the current image
⑫	ISO AUTO	ISO setting icon
⑬	1/60	Shutter speed
⑭	F2.8	Aperture value
⑮		Date stamp icon
⑯		Stabilizer icon
⑰		Face tracking icon
⑱		Color balance icon
⑲		Metering setting icon
⑳		Quality icon
㉑	10M	Resolution setting icon
㉒		Focus Assist light icon

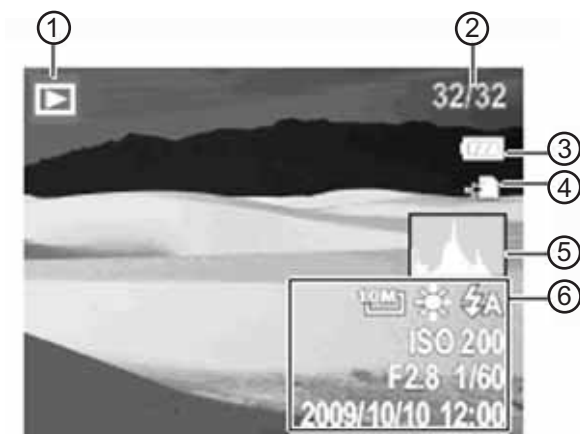
LCD Video mode icons






#	Item	Description
①		Video mode icon
②		Macro icon
③		Zoom icon
④	02:03:04	Recording time remaining in the internal memory or memory card (if inserted)
⑤		Battery level icon

#	Item	Description
⑥		Storage media in use icon
⑦	Focus area	Use to frame the subject to record
⑧		Stabilizer icon
⑨		Color balance icon
⑩		Metering setting icon
⑪	 16:9	Resolution setting icon





LCD Photo playback icons

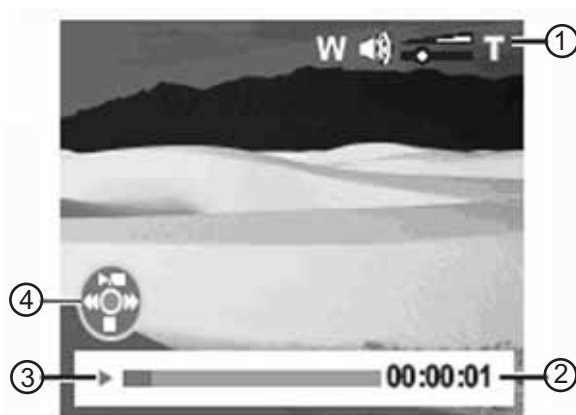



#	Item	Description
①		Playback mode icon
②	32/32	File number/Total number of files
③		Battery level icon
④		Storage media in use icon
⑤	Histogram	Displays the light level when the image was taken
⑥	Recording information	Display settings when the image was taken

LCD Video playback icons



#	Item	Description
①		Playback mode icon
②		Video file icon
③	32/32	File number/Total number of files
④		Battery level icon
⑤		Storage media in use icon
⑥	2009/10/10 12:00	Recording date and time
⑦	Playback controls	Shows which button to press to play back the video



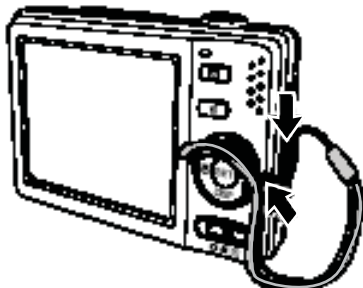
#	Icon	Description
①		Volume level icon
②	00:00:01	Played time
③	Playback status	Playback status
④	Playback controls	Shows which button to press to playback the video

Setting up your camera

Attaching the wrist strap

To attach the wrist strap:

- 1 Insert the short loop on the strap into the strap ring.

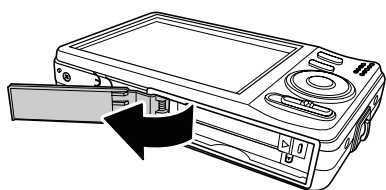
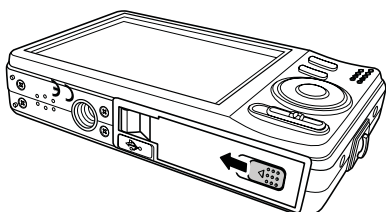


- 2 Thread the larger loop of the strap through the short loop, then pull the strap tight.

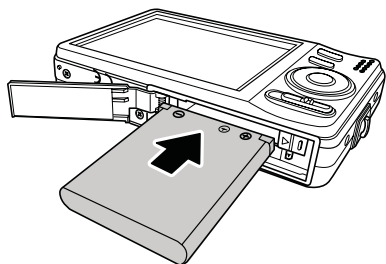
Installing the battery

To install the battery:

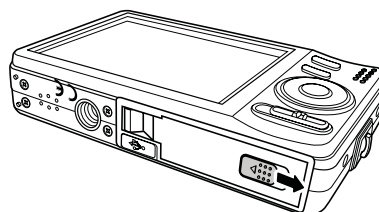
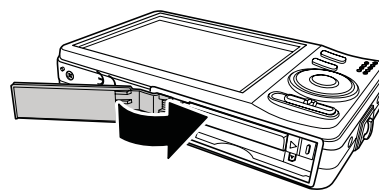
- 1 Make sure that the power is turned off.
- 2 Slide the lock to the unlocked position, then open the battery/SD/SDHC card compartment on the bottom of your camera.



- 3 Insert the battery into the battery compartment. Make sure the + and – symbols on the battery align with the + and – symbols in the battery compartment.



- 4 Close the compartment cover, then slide the lock into the locked position.



Charging the battery

To charge the battery:

- 1 Align the battery's + and – symbols with the + and – symbols on the supplied battery charger, then slide the battery into place until it locks.
- 2 Plug the battery charger into an AC outlet. The LED on the battery charger lights red.
- 3 When the battery has completed charging, the LED will light green.
- 4 Unplug the battery charger from the AC outlet, then remove the battery from the charger and insert it in your camera according to the instructions on page 6.

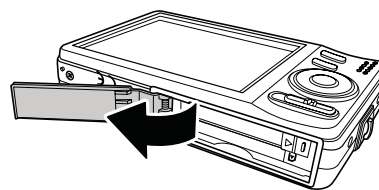
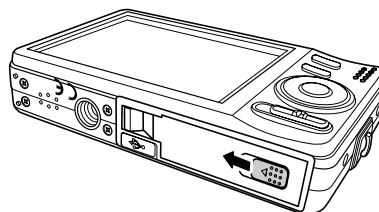
Note

The battery cannot be charged by connecting your camera to a computer.

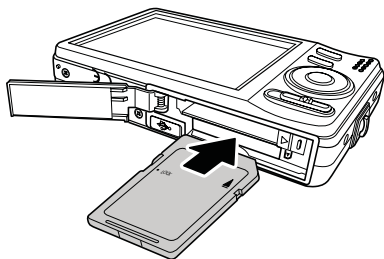
Inserting or removing an SD or SDHC memory card

To insert an SD or SDHC memory card:

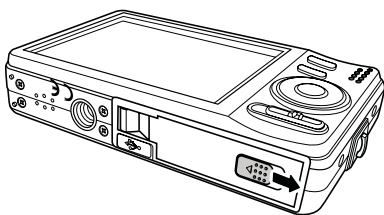
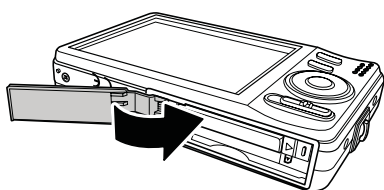
- 1 Make sure that the power is turned off.
- 2 Slide the lock to the unlocked position, then open the battery/SD/SDHC card compartment on the bottom of your camera.



- 3 Insert an SD or SDHC card into the card slot with the card's metal contacts facing the front of the camera.
- 4 Push the SD or SDHC card into the slot until it clicks into place.



- 5 Close the compartment cover, then slide the lock into the locked position.



To remove the SD or SDHC card:

- 1 Make sure that your camera is turned off.
- 2 Open the battery/SD/SDHC card compartment.
- 3 Gently push in on the card until it pops out.
- 4 Carefully, pull out the card and close the compartment.

Getting started

Turning your camera on or off

To turn your camera on or off:

- Press and hold **POWER** until the startup image appears. A startup up sound plays (if sounds are turned on) and the zoom lens extends.
- Press **POWER** again to turn off your camera.



Note

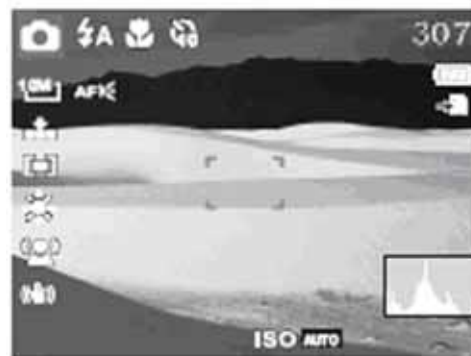
The zoom lens does not extend if the mode slider is set to Playback mode when the camera is turned on.

Recording images and videos

Before you record an image or video, you might want to set the date and time and select the language used on the display. See "Setting the date and time" on page 19 and "Selecting the display language" on page 19.


To record an image:

- 1 Turn on your camera.
- 2 Move the  (mode slider) to  (Photo mode).
- 3 Frame the image using the focus bracket on the display.








- 4 Half-press the shutter button. Your camera automatically adjusts the focus and exposure. When your camera is ready to take the photo, the focus bracket turns green, and the aperture value, shutter speed, and ISO setting are displayed.
- 5 Fully press the shutter button to capture the image.

Note

If the  (shake warning) appears when you are taking an image, hold the camera steady, with your arms at your side, or use a tripod to stabilize your camera in order to prevent blurred images.

To record a video:

- 1 Turn on your camera.
- 2 Move the  (mode slider) to  (Video mode).
- 3 Focus your camera on the subject that you want to record.
- 4 Press the shutter button to start recording.
- 5 Use the zoom control  to zoom in or out on a subject.
- 6 To pause recording, press . To continue recording, press .
- 7 To stop recording, press the shutter button.





Note

- When the maximum capacity for a single video has been reached, press the shutter button again to continue recording.
- The camera will automatically stop recording when the available memory is full.
- When recording videos, audio recording mutes during zoom operation. This prevents the sound of the zoom lens from being recorded in your videos.



Viewing images and videos

When your camera is in Playback mode, images and videos are displayed on the LCD monitor one by one. If the file is a video, the first frame of the video is displayed.













To view images:

- 1 Turn on your camera.
- 2 Move the  (mode slider) to  (Playback mode). The LCD monitor displays an image.
- 3 Press  or  to view the previous or next image.

To view videos:

- 1 Turn on your camera.
- 2 Move the  (mode slider) to  (Playback mode). The LCD monitor displays an image.






- 3 Press  or  to scroll through the saved files. A video file has a video playback icon displayed on the lower left side of the screen.
- 4 Press  to start playback.
- 5 During playback, press  or  to fast-reverse or fast-forward through the video at 2x speed.
- 6 During playback, use  to control the volume. Press right to increase the volume. Press left to decrease the volume.
- 7 Press  to pause playback. Press  again to resume.
- 8 To forward or rewind the video frame by frame, press  to pause playback, then press  or .
- 9 Press  to stop playback. The LCD monitor displays the first frame of the video.


Viewing thumbnails

You can view nine images on the display monitor at one time.

To view thumbnails:






- 1 Move the  (mode slider) to  (Playback mode). An image appears on the screen.
- 2 Turn the zoom control  toward the wide mode. Up to nine images or video clips are shown on the display and one is highlighted in green.



- 3 Use the navigation control to select an image or video clip.
- 4 To view the image or video clip, press **SET**.
- 5 To delete the image or video clip, press .





Viewing a slideshow of images


To view a slideshow of images:

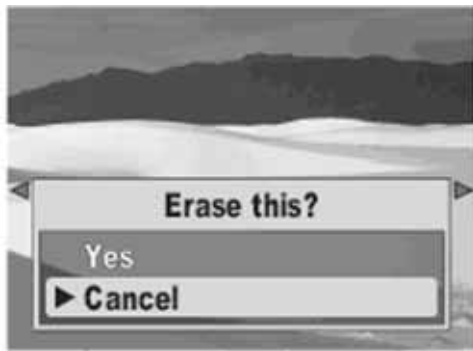
- 1 Move the  (mode slider) to  (Playback mode). The LCD monitor displays an image.
- 2 Press  or  to view the previous or next image.
Or
In thumbnail view, use the navigation control to select an image.
- 3 To start a slideshow, press the shutter button. The slideshow begins with the currently selected image.
- 4 To stop the slide show, press the shutter button again or press **SET**, or .

Deleting images and videos

To delete images and videos:

- 1 Turn on your camera.
- 2 Move the  (mode slider) to  (Playback mode). The LCD monitor displays an image.
- 3 Press  or  to select the image or video you want to delete.

- 4 Press . A confirmation message appears on screen.








- 5 Press \blacktriangle or \blacktriangledown to highlight **Yes**, then press **SET**. The next image or video appears on the LCD monitor.
- 6 Repeat Step 3 through Step 5 to delete additional images or videos.
- 7 To close the delete function, select **Cancel**, then press **SET**.

Turning Simple mode on or off

When you turn on your camera for the first time, it will be in Simple mode. Simple mode hides advanced settings and less frequently used menu options, while still letting you take high quality images and videos.

To turn Simple mode on or off:

- Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- Press . The on-screen menu opens.
- Press \blacktriangleleft or \blacktriangleright to highlight . The setup menu opens.
- Press \blacktriangle or \blacktriangledown to highlight **Simple Mode**, then press \blacktriangleright or **SET** to enter the sub-menu.



- 5 Press \blacktriangle or \blacktriangledown to highlight **On** or **Off**, then press **SET** or **MENU**.

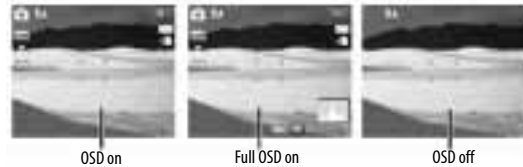
Changing the LCD monitor information display

You can change the type of information displayed on the LCD screen by pressing the **DISP** button on the navigation control.

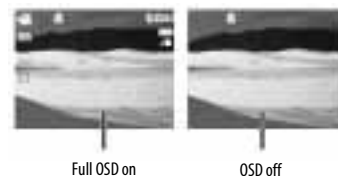
Note

You cannot change the display when recording or playing back videos.

Photo mode



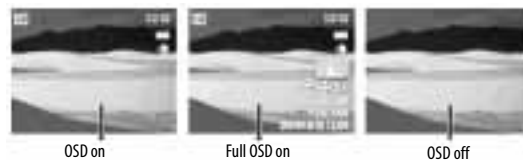
Video mode



Note

If turned on, the Face Tracking, Flash, Self-timer, Macro, and Stabilizer icons are displayed even when the OSD is turned off.

Playback mode



Using zoom when recording

Your camera features 3× optical zoom and 5× digital zoom.

To use zoom when recording:

- Press the right side of the Zoom control to zoom in. Press the left side of the Zoom control to zoom out. The zoom indicator appears on the LCD monitor. The section of the zoom indicator on the right side indicates that the digital zoom is being used.

Note

Using the digital zoom will reduce the quality of your images. This is normal.


Using zoom in Playback mode

The zoom view function works with still images only.

To use zoom in Playback mode:

- 1 Press the right or left side of the zoom control to zoom in or out. You can zoom in on an image up to 5X.









- 2 Use the navigation control to pan the zoomed image.
- 3 Press  to close zoom view.

Using the flash

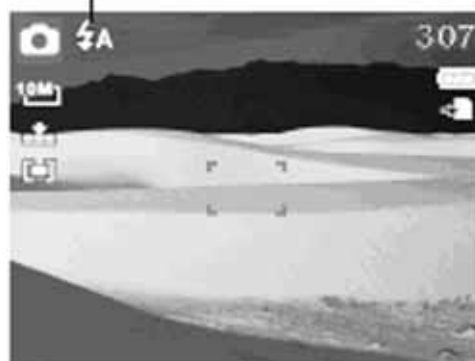
When recording images in difficult lighting conditions, use the flash to get the correct exposure. This function cannot be used for recording videos.

To activate the flash:

- Press  (flash/play) on the navigation control repeatedly until the flash mode you want is displayed on the LCD monitor. You can select:
 -  **Auto flash**—The flash fires automatically when shooting conditions require extra lighting.
 -  **Red-eye reduction**—The flash fires twice: once to let the subject's eyes adjust to the flash, then again to take the actual image.
 -  **Force on**—The flash fires every time you take a photo, regardless of lighting conditions.
 -  **Slow sync (fill flash)**—The flash fires with a slow shutter speed. Slow sync is ideal for situations where additional lighting is needed for subjects in the foreground. Hold the camera steady, or mount it on a tripod to reduce blurring when using this flash mode.

-  **Flash off**—The flash never fires, regardless of lighting conditions.

Auto flash turned on





Using the stabilizer

The stabilizer function helps to prevent blurred images. If the stabilizer function is turned on, the stabilizer icon appears on the LCD monitor and the ISO setting is automatically set to **Auto**. See "Selecting the ISO setting" on page 12 for more details.

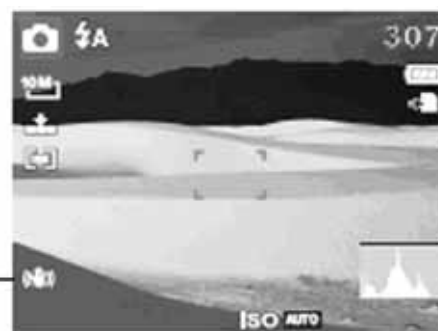
Note

The stabilizer function is only available in Photo mode.

To use the stabilizer feature:

- 1 Slide the  (mode slider) to  (Photo mode).
- 2 Press the stabilizer button on top of the camera. The stabilizer icon is displayed on the LCD monitor.




Stabilizer on




Using the macro feature

Your camera is equipped with a macro feature that lets you focus on very close subjects.

To use the macro feature:

- 1 Slide the  (mode slider) to  (Photo mode).
- 2 Press  (macro/◀) on the navigation control. The macro icon is displayed on the LCD monitor.



- 3 Half-press the shutter button to focus on subject, then press all the way to take the photo.
- 4 Press  again to exit macro mode.

Using face-tracking

The face-tracking mode detects faces and sets the camera focus on the detected face. This function can detect several faces at the same time; however, the camera sets the focus on the largest face on the screen (typically the closest face to the camera).

Note

Face-tracking mode is only available for still images.

To use face tracking:

- 1 Press  on the navigation control. The face tracking icon is displayed on the LCD monitor.






- 2 Aim the camera at the subject. White frames appear when faces are detected.
- 3 Half-press the shutter button to focus. The largest white frame turns green.
- 4 Fully press the shutter button to capture the image.

Note




When capturing an image with several faces, your camera may take more time to detect faces.

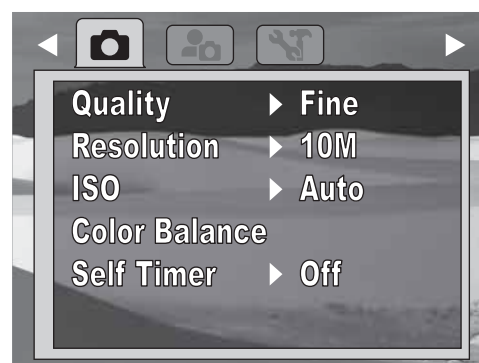
Setting the quality


The Quality setting lets you adjust the quality of your images before you capture them. Quality determines the amount of compression that is applied to your images. More compression (low quality) results in a less detailed image. However, the higher the quality, the greater the memory space required to store images.

Icon	Item	Approximate compression rate
	Super fine	7×
	Fine	12×
	Normal	18×

To set the quality

- 1 Make sure that Simple mode is turned off. For more information, see "Turning Simple mode on or off" on page 9.
- 2 Slide the  (mode slider) to  (Photo mode).
- 3 Press . The record menu opens.







- 4 Press ▲ or ▼ to highlight **Quality**, then press ►.
- 5 Press ▲ or ▼ to highlight a quality setting, then press **SET** to save and apply the setting.
- 6 To close the menu, press  again.




Setting the resolution

The Resolution setting is used to set the resolution before you record an image or video. Changing the resolution affects the number of images or videos that can be stored on your memory card. The higher the resolution, the more memory space is required.

To set the resolution:

- Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- Press . The record menu opens.



- Press  or  to highlight **Resolution**, then press .






- Press  or  to highlight a resolution, then press **SET** to save and apply the setting.
- To close the menu, press  again.

Photo mode, Simple mode off






Icon	Setting	Image size
	10M	3648 × 2736
	8M	3264 × 2448
	5M	2592 × 1944
	3M	2048 × 1536
	Wide	3648 × 2048

Photo mode, Simple mode on

Setting	Image size
High	3648 x 2736 (10 megapixels)
Medium	2592 x 1944 (5 megapixels)
Low	2048 x 1536 (3 megapixels)

Video mode, Simple mode off

Item	Video Resolution
Wide	720 x 400
VGA	640 x 480
QVGA	320 x 240

Note




When Simple mode is on, videos are automatically captured in VGA (640 x 480) resolution.

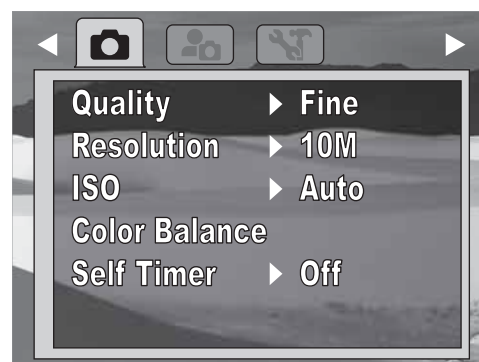
Selecting the ISO setting

The ISO setting lets you adjust the ISO sensitivity for recording still images, based on the light levels of your surroundings.

- Use a higher ISO setting in dim conditions and a lower ISO setting in brighter conditions.
- As you move through the selections, the preview on the LCD monitor changes accordingly.
- Available settings (Simple mode on) are: Auto, High (800), Medium (400), and Low (100).
- Available settings (Simple mode off) are: Auto, 3200, 1600, 800, 400, 200, 100, and 50.

To select the ISO setting:

- Slide the  (mode slider) to  (Photo mode).
- Press . The record menu opens.



- 3 Press ▲ or ▼ to highlight **ISO**, then press ► or **SET**.



- 4 Press ▲ or ▼ to highlight a setting, then press **SET** to save and apply the setting.
5 To close the menu, press **(M)** again.

Notes

- If the Stabilizer setting is turned on, the ISO setting is automatically set to Auto and cannot be changed. To change the ISO setting, turn off the Stabilizer setting first.
- The higher the ISO setting, the grainier the photo will be.

Setting the color balance

The color balance setting controls the white balance in recording still images or videos.

As you move through the selections, the preview on the LCD monitor changes according to the color balance selected.

To set the color balance:

- 1 Slide the (mode slider) to (Photo mode) or (Video mode).
- 2 Press **(M)**. The record menu opens.



- 3 Press ▲ or ▼ to highlight **Color Balance**, then press ► or **SET**.



- 4 Press ▲ or ▼ to highlight a setting, then press **SET** to save and apply the setting.
5 To close the menu, press **(M)** again.

Simple Mode off

Icon	Item	Description
	Auto	Your camera automatically adjusts the color balance.
	Sunny	Use for sunny conditions.
	Cloudy	Use for cloudy conditions.
	Tungsten	Use for indoor situations with tungsten or halogen lighting without a flash.
	Fluorescent	Use for indoor fluorescent situations.

Note

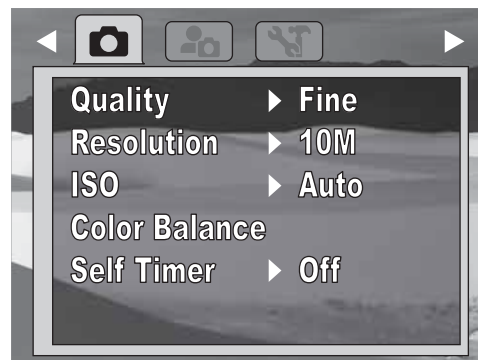
When Simple mode is on, color balance is automatically set to **Auto** and cannot be changed.

Turning the self-timer on or off

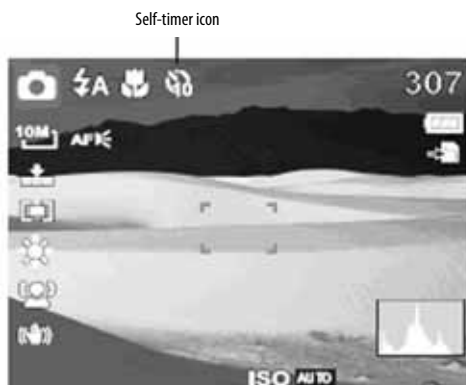
The self-timer function lets you capture images after a 10-second delay. This function is available only for capturing still images. When the Self-timer is turned on, the self-timer icon is displayed on the LCD monitor.

To turn the self-timer on or off:

- 1 Slide the (mode slider) to (Photo mode).
- 2 Press **(M)**. The record menu opens.



- 3 Press ▲ or ▼ to highlight **Self Timer**, then press ► or **SET**.
- 4 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET** to save and apply the setting. The self-timer icon appears on the LCD monitor.



Note

The self-timer is automatically turned off when you turn off the camera.

Turning the focus light on or off

The focus assist light emits an amber light that lets the camera focus in darker settings when you half-press the shutter button. This function is only available for capturing still images. The light will only activate if camera detects a low light condition.

To turn the focus light on or off:

- 1 Slide the (mode slider) to (Photo mode).
- 2 Press . The record menu opens.



- 3 Press ▲ or ▼ to highlight **Focus Light**, then press ► or **SET**.



- 4 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET** to save and apply the setting. The focus assist icon appears on the LCD monitor.



- 5 To close the menu, press again.

Notes

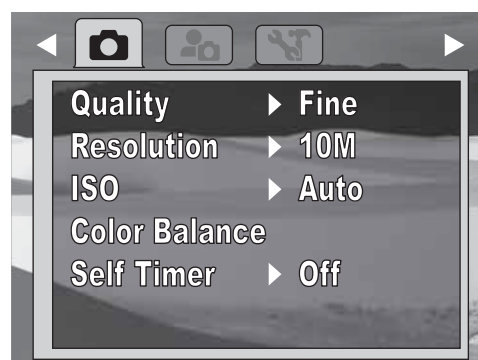
- The focus light can only be turned on or off when Simple mode is off. The focus light is automatically enabled when Simple mode is on.
- The focus light does not turn on every time you press the shutter button. Your camera will automatically turn on the focus light when it requires assistance in focusing on a subject.

Setting the exposure meter

The exposure meter measures the amount of light when recording still images and videos.

To set the exposure meter:

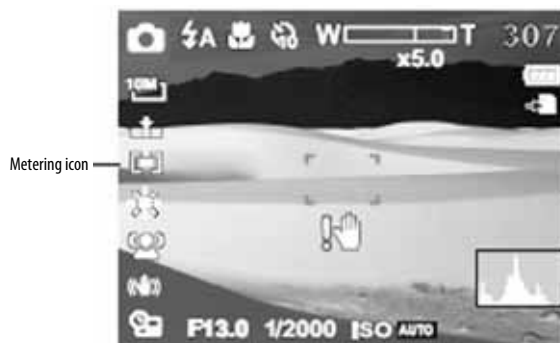
- 1 Slide the (mode slider) to (Photo mode) or (Video mode).
- 2 Press . The record menu opens.



- 3 Press ▲ or ▼ to highlight **Metering**, then press ►.



- 4 Press ▲ or ▼ to highlight a setting, then press **SET** to save and apply the setting. You can select:
- **Center**—Averages the light metered from the entire frame, but gives greater weight to the subject matter at the center.
 - **Multi**—Divides the image into several zones and measures the light in each zone for a balanced exposure reading. The camera determines shooting conditions according to the measured lighting pattern and makes exposure settings accordingly.
 - **Spot**—Spot is good for shooting single faces or when the subject is a small part of the overall image and in the center of the image.
- The metering icon appears on the LCD display.





Turning burst mode on or off


Burst mode lets you continuously shoot still images while the shutter button is held down.

Note

Burst mode is only available when simple mode is turned off.

To turn burst mode on or off:

- 1 Slide the  (mode slider) to  (Photo mode).

- 2 Press . The record menu opens.



- 3 Press ▲ or ▼ to highlight **Burst Mode**, then press ►.



- 4 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET** to save and apply the setting. The burst mode icon appears on the LCD monitor.

Note

Burst mode automatically turns off when you turn off your camera.




Erasing images or videos

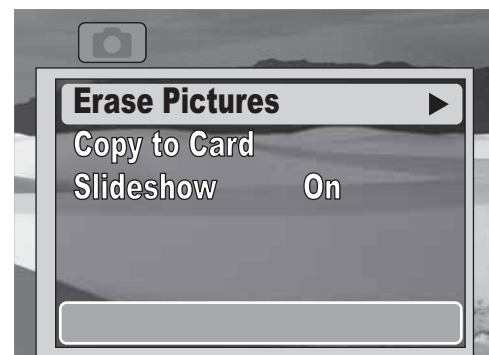
The Erase Pictures function lets you remove one file or all files (both images and videos) in the internal memory or on the memory card.

Note

Files cannot be deleted from the internal memory if a memory card is inserted.

To erase images or videos:

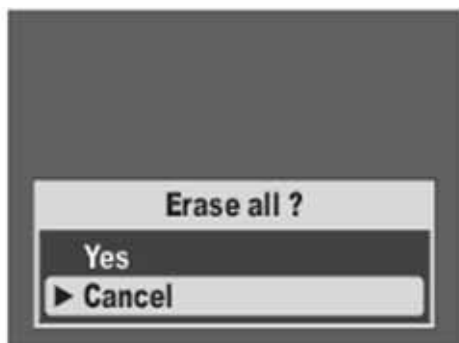
- 1 Slide the  (mode slider) to  (Playback mode).
- 2 Press . The playback menu opens.



- 3 Press ▲ or ▼ to highlight **Erase Pictures**, then press ► or **SET**.
- 4 Press ▲ or ▼ to highlight **Single** (to delete the currently selected file) or **All** (to delete all files). A confirmation message appears.

Caution

Inserted memory cards are formatted when **All** is selected. Do not use this function if you have not backed up images, videos, or other important files stored on your memory card.






- 5 Press ▲ or ▼ to highlight **Yes**, then press **SET**.
If you selected **All**, a screen appears indicating that no images have been stored. Switch to Photo or Video mode to capture images or videos. If you selected **Single**, the next file will be displayed along with the "Erase this?" message.

Copying files from internal memory to a card

The Copy to Card function lets you copy a single image or video or all images and videos from the camera's internal memory to a memory card.

To copy a single file:

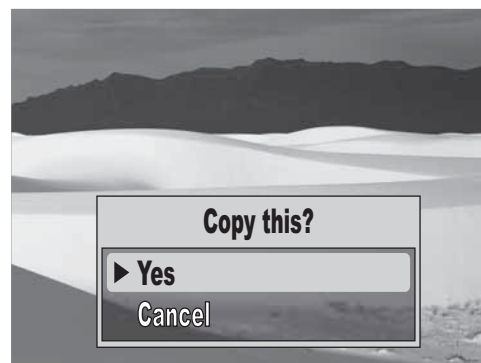
- 1 Insert a memory card, then turn on your camera.
- 2 Slide the  (mode slider) to  (Playback mode).
- 3 Press . The playback menu opens.



- 4 Press ▲ or ▼ to highlight **Copy to Card**, then press ► or **SET**.






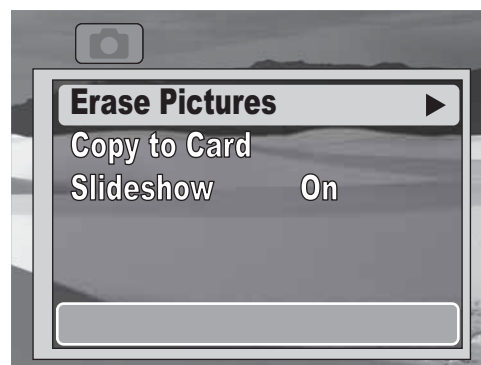
- 5 Press ▲ or ▼ to highlight **Single**, then press **SET**.



- 6 Press ◀ or ▶ to display the image you want to copy. Only the images in internal memory are displayed.
- 7 Press ▼ to highlight **Yes**, then press ► or **SET**. A confirmation message appears, then the next file is displayed.
- 8 Repeat Step 6 and Step 7 to copy more files.
Or,
Press ▼ to highlight **Cancel**, then press **SET** to return to playback mode.

To copy all files:

- 1 Insert a memory card, then turn on your camera.
- 2 Slide the  (mode slider) to  (Playback mode).
- 3 Press . The playback menu opens.



- 4 Press ▲ or ▼ to highlight **Copy to Card**, then press ► or **SET**.



- 5 Press ▲ or ▼ to highlight **All**, then press **SET**. A confirmation message appears.







- 6 Press ▼ to highlight **Yes**, then press **SET**.


Note
Files cannot be copied from an inserted memory card to the internal memory.

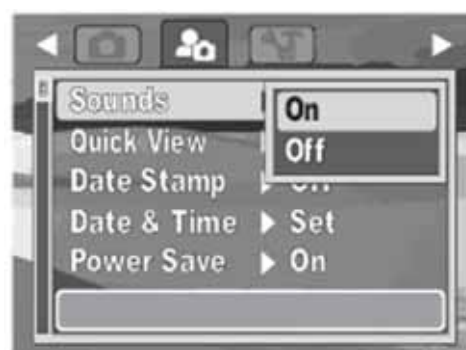
Turning alert sounds on or off

To turn alert sounds on or off:

- Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- Press . The record menu opens.



- 3 Press ◀ or ▶ to highlight . The setup menu opens.



- Press ▲ or ▼ to highlight **Sounds**, then press ► or **SET**.
- Press ▲ or ▼ to highlight **On** or **Off**, then press **SET**.




Turning Quick View on or off

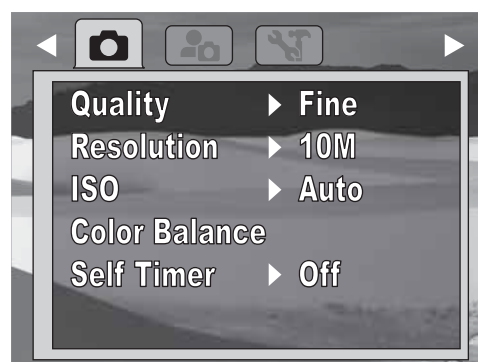
The Quick View function lets you view a captured image right after shooting it. If Quick View is on, the camera will display the captured image for one second on the LCD monitor.

Note

Quick View can only be turned on when Simple mode is turned off.

To turn Quick View on or off:

- Slide the  (mode slider) to  (Photo mode).
- Press . The record menu opens.



- 3 Press ◀ or ▶ to highlight . The setup menu opens.






- 4 Press ▲ or ▼ to highlight **Quick View**, then press ► or **SET**.
- 5 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET**.


Using the Date Stamp feature

The Date Stamp function lets you add the recorded date and time on your images. When this function is turned on, the icon is displayed on the LCD monitor.

To use the Date Stamp feature:

- 1 Slide the  (mode slider) to  (Photo mode).
- 2 Press . The record menu opens.



- 3 Press ◀ or ▶ to highlight . The setup menu opens.



- 4 Press ▲ or ▼ to highlight **Date Stamp**, then press ► or **SET**.



- 5 Press ▲ or ▼ to highlight a setting, then press **SET**. You can select:





- **Off**—Does not print the date and time.
- **Date**—Prints the date only.
- **Date & Time**—Prints both the date and time.

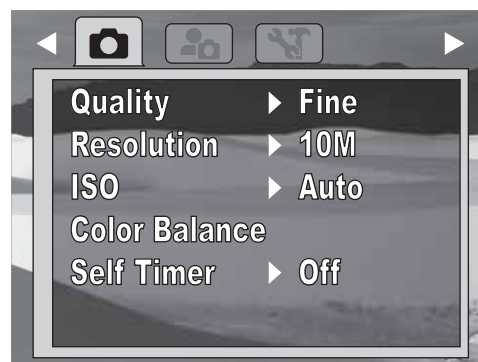
Notes


- The Date Stamp feature is available for still images only.
- If the Date Stamp is turned on, digital zoom is automatically turned off.
- In vertical or rotated images, the date and time on your photos will still appear horizontally.
- The date and time should be set before using the Date Stamp. See "Setting the date and time" on page 19.
- Once an image is stamped, the date or date and time cannot be removed.

Setting the power saving feature

To set the power saving feature:

- 1 Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- 2 Press . The record menu opens.



- 3 Press ◀ or ▶ to highlight . The setup menu opens.



- 4 Make sure that Simple mode is turned off. See "Turning Simple mode on or off" on page 9.

- 5 Press ▲ or ▼ to highlight **Power Save**, then press ► or **SET**.



- 6 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET**.
- **On**—The camera turns off after being idle for two minutes.
 - **Off**—The camera turns off after being idle for ten minutes.






Note

The power saving feature is not available when:

- Recording or playing a video
- During file erasing or copying
- Using the USB connector

Setting the date and time






To set the date and time:

- 1 Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- 2 Press . The on-screen menu opens.
- 3 Press ◀ or ▶ to highlight . The setup menu opens.
- 4 Make sure that Simple mode is turned off. See "Turning Simple mode on or off" on page 9.
- 5 Press ▲ or ▼ to highlight **Date & Time**, then press ► or **SET** to enter the submenu.
- 6 Press ▲ ▼ ◀ or ▶ to adjust the date and time. When you are done, press **SET**.

Selecting the display language

Before you record your first image or video, you should select the display language.

To select the display language:

- 1 Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- 2 Press . The on-screen menu opens.
- 3 Make sure that Simple mode is turned off. See "Turning Simple mode on or off" on page 9.
- 4 Press ◀ or ▶ to highlight . The tools menu opens.

- 5 Press ▲ or ▼ to highlight **Language**, then press ► or **SET**.








- 6 Press ▲ or ▼ to highlight the language you want, then press **SET**.

Turning help text on or off

When the Help Text function is turned on, text will scroll at the bottom of the screen when menu items are highlighted. This text provides useful information about the item highlighted.

To turn help text on or off:

- 1 Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- 2 Press . The on-screen menu opens.
- 3 Make sure that Simple mode is turned off. See "Turning Simple mode on or off" on page 9.
- 4 Press ◀ or ▶ to highlight . The tools menu opens.
- 5 Press ▲ or ▼ to highlight **Help Text**, then press ► or **SET** to enter the submenu.













- 6 Press ▲ or ▼ to highlight **On** or **Off**, then press **SET**.

Resetting your camera to factory defaults

Use the Factory Reset function to reset your camera to its factory settings. The following settings cannot be reset:

- Date and time
- Language
- Optical zoom status

To reset your camera to factory defaults:

- 1 Slide the  (mode slider) to  (Photo mode) or  (Video mode).
- 2 Press . The on-screen menu opens.
- 3 Make sure that Simple mode is turned off. See "Turning Simple mode on or off" on page 9.
- 4 Press  or  to highlight . The tools menu opens.
- 5 Press  or  to highlight **Factory Reset**, then press  or **SET**.



A confirmation message appears.



- 6 Press  or  to highlight **Yes**, then press **SET**.

Note

Activating Factory Reset mode will not erase any of your captured images or videos.

Connecting your camera to a computer

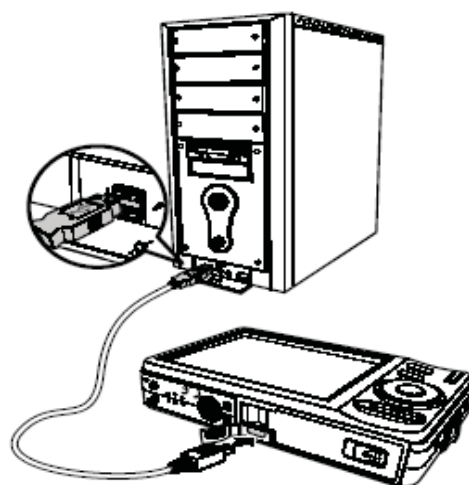
Caution

Do not change the folder or file names on a memory card using a computer. If you do, you may not be able to play back the files using your camera.

You can transfer photos, videos, and audio files to your computer.

To connect your camera to a computer:

- 1 Connect your camera to a computer using the included USB cable.



- 2 Turn on your camera. The computer detects the connection. The camera's internal memory and memory card are displayed as removable drives in the computer's file manager. No image is displayed on the camera's LCD monitor.
- 3 Use your computer's standard operating system procedures to copy files.

Note

You can also copy files stored on the memory card to a computer using a memory card reader (not included).

Working with files and folders

Understanding folder and file names

Your camera automatically creates a directory of folders in the internal memory or on a memory card. It uses these folders to organize still images, videos, and other information.

Folder structure

All image and video files can be found in the main DCIM folder. Subfolder names begin with a three-digit number, followed by "DICAM." If new files are created, a new folder named in sequence will be made automatically.

File naming

File names begin with "DSCI," and are followed by a four-digit number that increases sequentially. File numbering starts from 0001 when a new folder is created. If the highest folder number is 999 and the highest file number exceeds 9999, the camera displays the warning message "Folder cannot be created." If this occurs, delete unwanted photos and videos, or replace the memory card.

Troubleshooting

Problem	Solution
Camera does not turn on	<ul style="list-style-type: none"> Hold POWER down for at least a full second. Recharge the battery. Make sure that the battery is installed.
Camera turns off automatically	<ul style="list-style-type: none"> Press the POWER button to turn your camera back on. If the camera will not turn back on, check the battery to make sure it is correctly installed and fully charged.
LCD turns blank	<ul style="list-style-type: none"> Press any button except POWER to turn on the LCD. Make sure that camera USB port is not connected to a computer.
Empty battery icon appears on the LCD, then the camera turns off	<ul style="list-style-type: none"> Charge the battery.
LCD does not display an image	<ul style="list-style-type: none"> The file format on the memory card may not be supported.
LCD displays "Not available for this file"	<ul style="list-style-type: none"> The function is only available for certain file formats. File format is not supported.
LCD displays "Memory full"	<ul style="list-style-type: none"> The internal memory or memory card (if inserted) is full. Either delete files from the internal memory or memory card, or replace the card with another card that has available memory.
LCD displays "Card locked"	<ul style="list-style-type: none"> The card is protected. Remove the card, then slide the write-protect switch to the unlocked position.
LCD displays "Format error"	<ul style="list-style-type: none"> The card is protected. Remove the card, then slide the write-protect switch to the unlocked position.
LCD displays "Copy error"	<ul style="list-style-type: none"> The card is protected. Remove the card, then slide the write-protect switch to the unlocked position. The memory card is full. Either delete files from the card or replace the card with another card with available memory.
The lens did not retract	<ul style="list-style-type: none"> Do not force the lens to retract. The battery may be an incorrect type or the battery level may be too low to retract the lens. Change the battery or recharge the battery before using your camera.

Specifications

Specification subject to change without notice.

Sensor	10 megapixels, Type: 1/2.3
Lens	Focal length: F=6.2 m ~ 18.6 m (37.5 mm ~ 112.5mm) 3X optical zoom, 5X digital zoom
LCD monitor	2.7" color
Focusing range	Normal wide: 12in (30.5cm) ~ infinity Normal tele: 24in ~ infinity (60cm ~ infinity) Macro wide: 2.5in ~ Infinity (6cm ~ infinity) Macro tele: 12in ~ 60in (30cm ~ 150cm)
Aperture	F=3.0 (W)-5.6(T)
Shutter	Type: Mechanical and electronic Speed: 8 - 1/2,000 second
File format	Still image: EXIF 2.2 compatible JPEG Video: AVI (MJPEG)
Resolution (still image)	10 Megapixels (3648 × 2736) 8 Megapixels (3264 × 2448) 5 Megapixels (2592 × 1944) 3 Megapixels (2048 × 1536) Wide (3648 × 2048)
Sensitivity	Auto: 50, 100, 200, 400, 800, 1600, 3200 Low/Med/High: 100/400/800
Color balance	Auto, Sunny, Cloudy, Tungsten, Fluorescent
Self-timer	10 seconds, off
Flash	Auto, Red-eye Reduction, Forces On, Slow Sync, Off
Storage	Internal memory: 32 MB flash memory (Approximately 20 MB available storage capacity) External memory: SD card (up to 4 GB) SDHC (up to 32 GB)
OSD languages	English, French, Spanish
Interface	USB
Battery	Li-Ion type NP45 3.7V, 700mAh
Operating temperature	32°F ~ 104°F (0°C ~ 40°C)
Operating humidity	0% ~ 90%

Legal notices

FCC Part 15

This device complies with Part 15 of the FCC Rules. Operation of this product is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This equipment has been tested and found to comply within 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 technician for help.

FCC warning

Changes or modifications not expressly approved by the party responsible for compliance with the FCC Rules could void the user's authority to operate this equipment.

Canada ICES-003 statement

This Class B digital apparatus complies with Canadian ICES-003.

One-year limited warranty

Insignia Products ("Insignia") warrants to you, the original purchaser of this new product ("Product"), that the Product shall be free of defects in the original manufacture of the material or workmanship for a period of one (1) year from the date of your purchase of the Product ("Warranty Period"). This Product must be purchased from an authorized dealer of Insignia brand products and packaged with this warranty statement. This warranty does not cover refurbished Product. If you notify Insignia during the Warranty Period of a defect covered by this warranty that requires service, terms of this warranty apply.

How long does the coverage last?

The Warranty Period lasts for 1 year (365 days) from the date you purchased the Product. The purchase date is printed on the receipt you received with the Product.

What does this warranty cover?

During the Warranty Period, if the original manufacture of the material or workmanship of the Product is determined to be defective by an authorized Insignia repair center or store personnel, Insignia will (at its sole option): (1) repair the Product with new or rebuilt parts; or (2) replace the Product at no charge with new or rebuilt comparable products or parts. Products and parts replaced under this warranty become the property of Insignia and are not returned to you. If service of Products or parts are required after the Warranty Period expires, you must pay all labor and parts charges. This warranty lasts as long as you own your Insignia Product during the Warranty Period. Warranty coverage terminates if you sell or otherwise transfer the Product.

How to obtain warranty service?

If you purchased the Product at a retail store location, take your original receipt and the Product to the store you purchased it from. Make sure that you place the Product in its original packaging or packaging that provides the same amount of protection as the original packaging. If you purchased the Product from an online web site, mail your original receipt and the Product to the address listed on the web site. Make sure that you put the Product in its original packaging or packaging that provides the same amount of protection as the original packaging.

To obtain in-home warranty service for a television with a screen 30 inches or larger, call 1-888-BESTBUY. Call agents will diagnose and correct the issue over the phone or will have an Insignia-approved repair person dispatched to your home. Should the Insignia-approved repair person not correct the issue on the first call, an Insignia television (size and features to be determined by Insignia) will be loaned to you until your TV is repaired and returned, at no charge to you. This feature is only available to Insignia television consumers residing in the United States.

Where is the warranty valid?

This warranty is valid only to the original purchaser of the product in the United States, Canada, and Mexico.

What does the warranty not cover?

This warranty does not cover:

- Customer instruction
- Installation
- Set up adjustments
- Cosmetic damage
- Damage due to acts of God, such as lightning strikes
- Accident
- Misuse
- Abuse
- Negligence
- Commercial use
- Modification of any part of the Product, including the antenna
- Plasma display panel damaged by static (non-moving) images applied for lengthy periods (burn-in).

This warranty also does not cover:

- Damage due to incorrect operation or maintenance
- Connection to an incorrect voltage supply
- Attempted repair by anyone other than a facility authorized by Insignia to service the Product
- Products sold as is or with all faults
- Consumables, such as fuses or batteries
- Products where the factory applied serial number has been altered or removed

REPAIR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS YOUR EXCLUSIVE REMEDY. INSIGNIA SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR THE BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT, INCLUDING, BUT NOT LIMITED TO, LOST DATA, LOSS OF USE OF YOUR PRODUCT, LOST BUSINESS OR LOST PROFITS. INSIGNIA PRODUCTS MAKES NO OTHER EXPRESS WARRANTIES WITH RESPECT TO THE PRODUCT, ALL EXPRESS AND IMPLIED WARRANTIES FOR THE PRODUCT, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF AND CONDITIONS OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE, ARE LIMITED IN DURATION TO THE WARRANTY PERIOD SET FORTH ABOVE AND NO WARRANTIES, WHETHER EXPRESS OR IMPLIED, WILL APPLY AFTER THE WARRANTY PERIOD. SOME STATES, PROVINCES AND JURISDICTIONS DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU. THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS, WHICH VARY FROM STATE TO STATE OR PROVINCE TO PROVINCE.

Contact Insignia:

For customer service please call 1-877-467-4289
www.insignia-products.com

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