

# CONTENTS

## 3 INTRODUCTION

- 3 Overview
- 3 Package Contents



## 4 GETTING TO KNOW THE CAMERA

- 4 Front View
- 5 Rear View
- 7 Mode dial
- 8 Status LED Indicator
- 9 LCD Monitor Icons

## 12 GETTING STARTED

- 12 Inserting and Removing the Battery (Optional Accessory)
- 13 Charging the Battery
- 14 Using an AC Power Adapter (Optional Accessory)
- 14 Inserting and Removing an SD Card (Optional Accessory)
- 15 Setting the Date and Time
- 16 Choosing the Display Language
- 17 Formatting an SD Memory Card
- 18 Setting Image Resolution and Quality

## 19 PHOTOGRAPHY MODE

- 19  Auto Mode
- 21 Using the Digital Zoom
- 22 Setting the Flash
- 23 Setting the Focus
- 24 Setting the Self-timer
- 25 Exposure Compensation/Backlight Correction
- 26 **[P]** Program (Automatic Exposure) Photography Mode
- 27 **[Tv]** Shutter Speed Priority Photography Mode
- 28 **[Av]** Aperture Priority Photography Mode
- 29 **[M]** Manual Mode
- 30 Setting the Scene Mode
- 31 Setting the Panorama Mode
- 32  Movie Mode

**33 PLAYBACK MODE**

- 33 Playing Back Still Images
- 34 Playing Back Video Clips
- 34 Attaching Voice Memos
- 35 Thumbnail Display
- 36 Zoom Playback
- 37 Slideshow Display
- 38 Protecting Images
- 40 [ ] Deleting Images
- 42 DPOF Settings
- 43 Resizing an Image (Resize)
- 44 Compressing an Image (Quality Change)

**45 MENU OPTIONS**

- 45 Photography Menu (Capture tab)
- 47 Photography Menu (Function tab)
- 49 Video Menu (Capture tab)
- 50 Video Menu (Function tab)
- 51 Playback Menu
- 52 Setup Menu (Basic tab)
- 53 Setup Menu (Custom tab)

**54 EDITING SOFTWARE INSTALLATION**

- 54 Installing NTI Photo Suite

**55 CAMERA SPECIFICATIONS**

# INTRODUCTION

## Overview

Congratulations on your purchase of the new digital camera. Capturing high-quality digital images is fast and easy with this state-of-the-art smart camera. Equipped with a 8.28 Mega pixels CCD, this camera is capable of capturing images with a resolution of up to 3296 x 2472 pixels.

## Package Contents

Carefully unpack your kit box and ensure that you have the following items:

- Digital Camera
- A/V cable
- USB cable
- User's manual
- Camera strap

### Optional Accessories:

- SD memory card
- AC power adapter
- Rechargeable lithium-ion battery
- Software CD-ROM
- Camera pouch

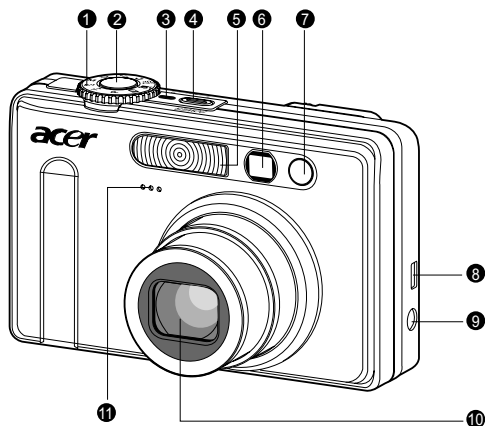


#### NOTE

- Accessories may vary by retailer.

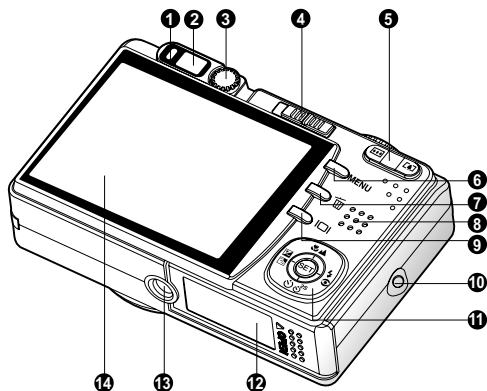
# GETTING TO KNOW THE CAMERA







## Front View



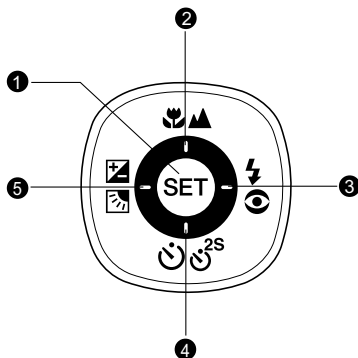
#	Name	Description
1	Mode dial	Sets the camera mode
2	Shutter button	Focuses and locks both focus & exposure when pressed halfway down. Captures the image when pressed all the way down.
3	Power indicator	Lights on when the camera power is turned on.
4	<b>POWER</b> (Power) button	Turns the camera power on and off.
5	Flash	Provides flash illumination.
6	Viewfinder window	Allows you to frame the subject of the image.
7	Self-timer LED (AF auxiliary light)	Blinks green during Self-timer mode until the image is captured.
8	USB or A/V OUT terminal	Allows you to connect a USB cable or an A/V cable to the camera.
9	<b>DC IN 5V/3A</b> terminal	Allows you to connect an AC power adapter to operate the camera without battery, or to charge rechargeable lithium-ion battery.
10	Lens	3x optical zoom lens allows you to capture telephoto and wide-angle images.
11	Microphone	For recording audio with video clips and voice annotation.

## Rear View



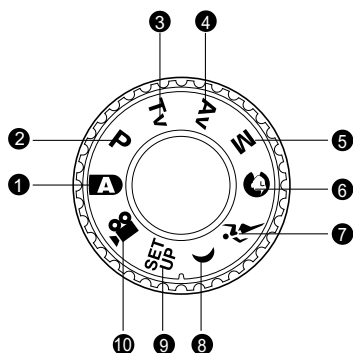
#	Name	Description
1	Status LED	Indicates the camera's operational status.
2	Viewfinder window	Allows you to compose your subject using the optical viewfinder.
3	Diopter adjustment dial	Provides a clearer image when using the optical viewfinder.
4	Mode switch  Photography mode	Sets the camera mode. Selects this when capturing still images or recording video clips.
	 Playback mode	Performs image playback and deletion.
5	 (Zoom in) button  (Zoom out) button	Zooms the lens to telephoto position. Zooms the lens to wide-angle position.
6	<b>MENU</b> (Menu) button	Toggles On-Screen Display (OSD) menu on and off.
7	 (Delete) button	Allows you to delete an image.
8	Speaker	For playback or recorded audio.
9	 (Display) button	Turns the LCD monitor display and live view on and off.
10	Strap holder	Camera strap attachment.
11	Multi-selector button	Allows you to scroll through menus and images, and then select your choices.
12	Battery/SD card cover	Access to the battery and memory card.
13	Tripod socket	For tripod mounting.
14	LCD monitor	For image preview/review. Displays control menus, camera settings, and operational icons.






## Multi-selector button



#	Name	Description
1	<b>SET</b> button	Enters the menu page and confirms the chosen setting.
2	▲ button 🌸▲▲ (Focus) button	Scrolls upwards. Allows you to choose the appropriate focus setting.
3	▶ button ⚡👁 (Flash) button	Scrolls right. Allows you to choose the appropriate flash setting.
4	▼ button 🕒🕒 <sup>2S</sup> (Self-timer) button	Scrolls downwards. Allows you to toggle the self-timer on and off, selects the desired self-timer mode.
5	◀ button ☒☒ (Exposure compensation/ Backlight correction) button	Scrolls left. Allows you to toggle the exposure compensation/ backlight correction on and off.

## Mode dial



#	Mode	Description
1	<b>A</b> Auto photography	The camera automatically sets for exposure, etc.
2	<b>P</b> Program (auto exposure)	In program mode the shutter speed and aperture will be set automatically, but other parameters may be set manually.
3	<b>Tv</b> Shutter speed priority	You may specify the shutter speed while the camera sets the corresponding aperture value.
4	<b>Av</b> Aperture priority	You may specify the aperture value while the camera sets the corresponding shutter speed.
5	<b>M</b> Manual photography	For full manual control over exposure, aperture and other settings.
6	 Portrait	To photograph a person and defocus (blur) the background.
7	 Sports	For photographing fast-moving subjects.
8	 Night scene	For photographing evening or night scenes.
9	 Set-up	Specify your camera's settings.
10	 Movie	For recording video clips.

## Status LED Indicator

The status LED indicates the current operational status of the camera. The meaning of the LED changes depending upon what the camera is doing.

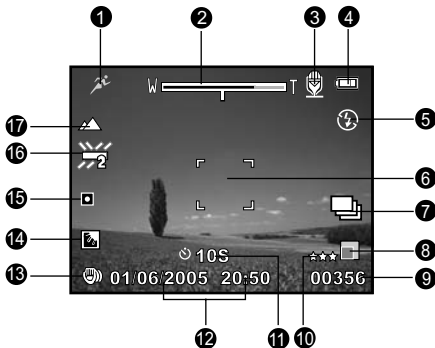
Color	State	During power off	During photography	During connection to a PC
Green	On	-	Ready for shot.	System ready.
Red	On	Battery charging in progress.	When the image is not in focus.	-
	Off	The completion of battery charge.	-	-
	Flashing	-	Accessing files in progress. Flash charging in progress.	Accessing files in progress.



## LCD Monitor Icons

For Photography modes: [A] [O] [Z] [C]

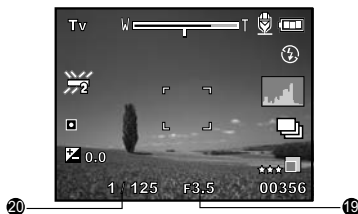
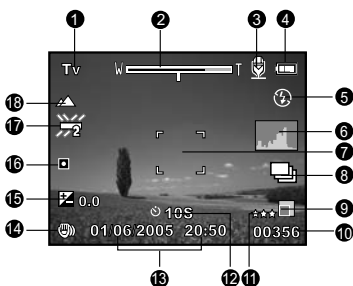
1. Mode icon
2. Zoom status
3. Voice memo
4. Battery condition
  - [Full battery icon] Full battery power
  - [Medium battery icon] Medium battery power
  - [Low battery icon] Low battery power
  - [Virtually no battery icon] Virtually no battery power
5. Flash mode
  - [Auto icon] Automatic
  - [Red-eye icon] Red-eye Reduction
  - [Flash icon] Forced Flash
  - [Off icon] Flash Off
6. Main focus area
7. Capture mode icon
  - [Blank] Single
  - [Continuous icon] Continuous
  - [AEB icon] Auto Exp.
8. Image resolution
  - [3296 x 2472 icon] 3296 x 2472
  - [2560 x 1920 icon] 2560 x 1920
  - [1600 x 1200 icon] 1600 x 1200
  - [640 x 480 icon] 640 x 480
9. Available number of shots
10. Image quality
  - [Fine icon] Fine
  - [Normal icon] Normal
  - [Economy icon] Economy
  - [TIFF icon] TIFF
11. Self-timer icon
  - [10s icon] 10 sec.
  - [2s icon] 2 sec.
12. Date and time
13. Long-exposure time warning icon (potential for hand-shake blur)
14. Backlight correction
15. Metering
  - [Blank] Average
  - [Spot icon] Spot
16. White balance
  - [Auto icon] Auto
  - [Incandescent icon] Incandescent 1
  - [Fluorescent icon] Fluorescent 2
  - [DayLight icon] DayLight
  - [Cloudy icon] Cloudy
  - [Manual icon] Manual
17. Focus setting
  - [Macro icon] Macro
  - [Infinity icon] Infinity



### NOTE

- Pressing the [O] button changes the LCD display in the sequence of: display with icons, display without icons, LCD monitor OFF.

## For Photography modes: [P] [Tv] [Av] [M]



After pressing the **SET** button

- |                               |  |
|-------------------------------|--|
| 1. Mode icon                  | 13. Date and time  |
| 2. Zoom status                | 14. Long-exposure time warning icon<br>(potential for hand-shake blur) |
| 3. Voice memo                 | 15. [ ] Exposure compensation<br>[ ] Backlight correction              |
| 4. Battery condition          | 16. Metering   |
| 5. Flash mode                 | 17. White balance  |
| 6. Histogram                  | 18. Focus setting  |
| 7. Main focus area            | 19. Aperture   |
| 8. Capture mode icon          | 20. Shutter speed  |
| 9. Image resolution           |  |
| 10. Available number of shots |  |
| 11. Image quality             |  |
| 12. Self-timer icon           |  |

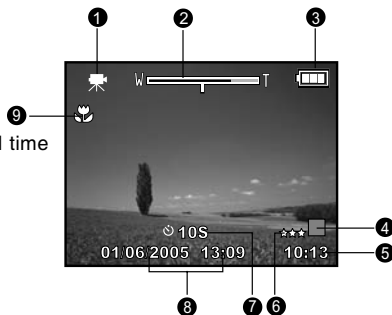


### NOTE

- Pressing the [ ] button changes the LCD display in the sequence of: display with icons, display with icons and histogram, display without icons, LCD monitor OFF.

**For Movie mode [⏏]**

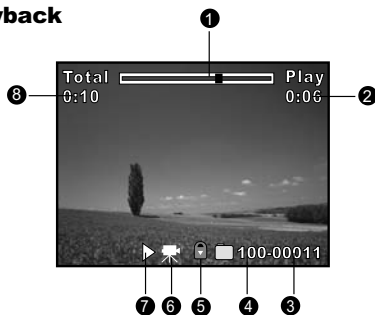
1. Mode icon
2. Zoom status
3. Battery condition
4. Video resolution
5. Available recording time/Elapsed time
6. Video quality
7. Self-timer icon
8. Date and time
9. Focus setting

**Playback mode [▶] -Still image playback**

1. Mode icon
2. File number
3. Folder number
4. Protect icon
5. Voice memo
6. DPOF icon
7. Battery condition

**Playback mode [▶]-Video playback**

1. Video status bar
2. Elapsed time
3. File number
4. Folder number
5. Protect icon
6. Mode icon
7. Play mode
8. Total time



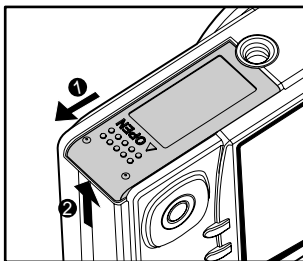
## GETTING STARTED

### Inserting and Removing the Battery (Optional Accessory)

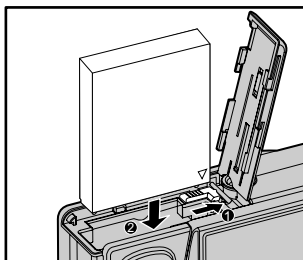
We highly recommend using specified rechargeable lithium-ion battery (1050mAh, 3.7V) to realize the full capability of your camera. Charge the battery fully before using the camera. Make sure that the power of the camera is off before inserting or removing the battery.

#### Inserting the Battery

1. Open the battery/SD card cover in the direction of the [OPEN] arrow.



2. Insert the battery in the correct orientation shown.
  - Tilt the battery lock lever in the direction of the arrow, and then insert the battery.
3. Close the battery/SD card cover.



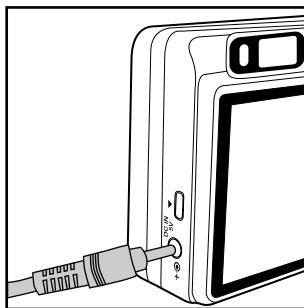
#### Removing the Battery

Open the battery/SD card cover and then release the battery lock lever. When the battery has come out a little, slowly pull it out the rest of the way.

## Charging the Battery

Using the optional AC power adapter may charge the battery or operate the camera as power supply. Make sure that the power of the camera is off and then insert the battery before starting.

1. Insert one end of the AC power adapter into the **DC IN 5V** terminal of the camera.
2. Insert the other end of the AC power adapter into a wall outlet.
  - The status LED lights red when charging is started and goes out when charging is completed.
  - It is recommended to fully discharge the battery before recharging.
  - Charging time varies according to the ambient temperature and the status of battery.



### NOTE

- This camera must be used with specified AC power adapter. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- Always make sure that the camera is off before removing the battery.
- The battery may feel warm after it has been charged or immediately after being used. This is normal and not a malfunction.
- When using the camera in cold conditions, keep the camera and battery warm by storing it in a warm place such as an interior pocket between shots.
- If you open the battery cover without removing the battery, the battery power will not be disconnected.
- If you remove the battery, you have to insert the battery within two hours in order to make sure that the date and time will not be reset.

## Using an AC Power Adapter (Optional Accessory)

Using an AC power adapter prevents the camera from automatically powered off while transferring files to your computer.

Perform the steps in the preceding section “Charging the Battery”.



**NOTE**

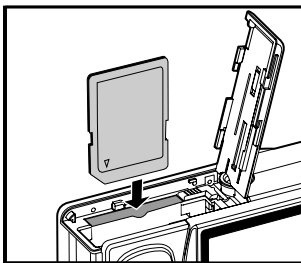
- Make sure to use only the AC power adapter specified for the digital camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.

## Inserting and Removing an SD Card (Optional Accessory)

The digital camera comes with approx. 32 MB of internal memory (25.9 MB for image storage), allowing you to store captured still images or movie clips in the digital camera. However, you can also expand the memory capacity by using an optional SD card so that you can store more files.

### Inserting an SD card

- Open the battery/SD card cover.
- Insert the SD card in the correct orientation shown.
  - Hold the SD card with its front side (printed arrow) facing the rear side of the camera, and then insert the card as far as it can go. There will be a distinct click as the card seats fully into the card slot.
- Close the battery/SD card cover.



### Removing an SD card

Open the battery/SD card cover, press lightly on the edge of the SD card and it will eject.



**NOTE**


- To prevent valuable data from being accidentally erased from an SD card you can slide the write-protected tab (on the side of the SD card) to “LOCK”.
- However, to save, edit or erase data on an SD card, you must unlock the card.

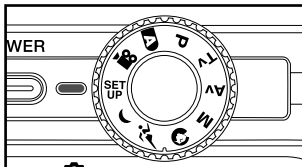
## Setting the Date and Time

The date/time needs to be set if/when:

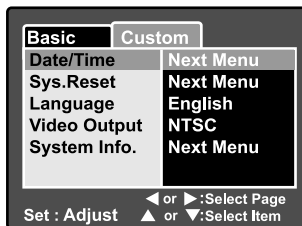
- Camera is turned on for the first time.
- Camera is turned on after leaving the camera without the battery for an extended period of time.

When the date and time information is not displayed on the LCD monitor, follow these steps to set the correct date and time.

1. Slide the mode switch to  and set the mode dial to [SET].
  - The setup menu is displayed.



2. Select [Custom] with the ◀/▶ buttons.
3. Select [Date/Time] with the ▲/▼ buttons, and press the **SET** button.
  - The Date/Time setting screen will be displayed.



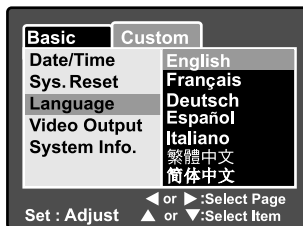
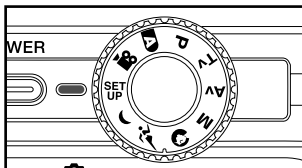
4. Select the item's field with the ◀/▶ buttons and adjust the value for the date and time with the ▲/▼ buttons.
  - The date and time is set in the order year-month-day-hour-minute.
  - The time is displayed in 24-hours format.
5. After confirming all settings are correct, press the **SET** button.
  - The setting will be stored and the screen will return to the setup menu.



## Choosing the Display Language

Choose an On-Screen Display (OSD) language for information to be displayed on the LCD monitor.

- Slide the mode switch to [CAM] and set the mode dial to [SET].
  - The setup menu is displayed.
- Select [Custom] with the ◀▶ buttons.
- Select [Language] with the ▲/▼ buttons, and press the **SET** button.
  - The available OSD languages will be displayed.
- Select the displayed language with the ▲/▼ buttons and press the **SET** button. The setting will be stored.

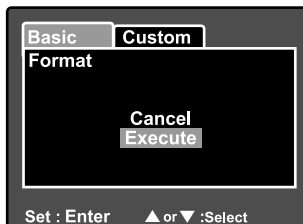
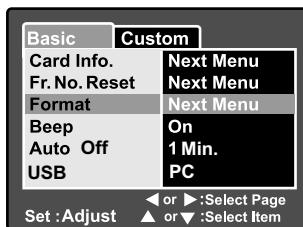
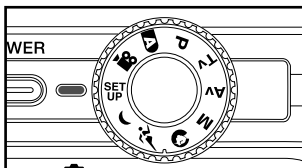




## Formatting an SD Memory Card

Formatting an SD card will erase all of the images and folders that have been recorded on the SD card. Formatting is not possible when the SD card is in the locked condition.

- Slide the mode switch to [CAM] and set the mode dial to [SET].
  - [Basic] of the setup menu is displayed.
- Select [Format] with the ▲/▼ buttons, and press the **SET** button.
- Select [Execute] with the ▲/▼ buttons, and press the **SET** button.
  - To cancel formatting, select [Cancel].



### NOTE

- You need to format an SD card before using it in this camera.
- Formatting an SD card erases everything from the memory card including images, videos, and also non-image data. Before formatting, make sure that all data is unnecessary.
- Formatting is an irreversible action and data cannot be recovered at a later time.

## Setting Image Resolution and Quality

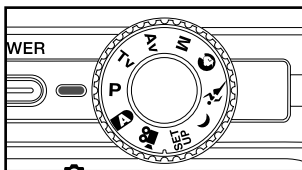
Resolution and quality settings determine the pixel size (dimension), image file size, and compression ratio for your images. These settings affect the number of images that can be stored on a memory card. As you get to know the camera, it is recommended that you try each quality and resolution setting to get an appreciation for the effects that these settings will have on your images.

Higher resolution and higher quality images offer the best photographic results, but produce large file sizes. Therefore, few images will take up a lot of memory space.

High resolution and quality settings are recommended for printed output and situations requiring the finest detail. Lower resolution/quality images take up less memory space and may be quite suitable for sharing images via e-mail, in a report, or on a web page.

To change image resolution or image quality, perform these steps below:

- Slide the mode switch to **[P]** and set the mode dial to one of the photography modes.
- Press the **MENU** button.
  - [Capture] of the photography menu is displayed.
- Select [Size] with the **▲/▼** buttons, and press the **SET** button.
- Select the desired setting with the **▲/▼** buttons, and press the **SET** button.
- Select [Quality] with the **▲/▼** buttons, and press the **SET** button.
- Select the desired setting with the **▲/▼** buttons, and press the **SET** button.
- To exit from the photography menu, press the **MENU** button.



Capture	Function
Scene Mode	Auto
Size	3296 x 2472
Quality	2560x1920
Sharpness	1600x1200
Saturation	640x480
Color	Standard
White Balance	Auto
Menu:Exit	◀ or ▶:Select Page
Set :Adjust	▲ or ▼:Select Item

Capture	Function
Scene Mode	Auto
Size	2560x1920
Quality	Fine
Sharpness	Normal
Saturation	Economy
Color	Standard
White Balance	Auto
Menu:Exit	◀ or ▶:Select Page
Set :Adjust	▲ or ▼:Select Item

# PHOTOGRAPHY MODE

## [ **A** ] Auto Mode

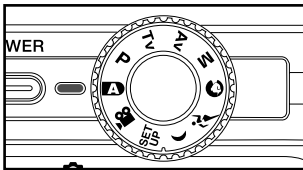
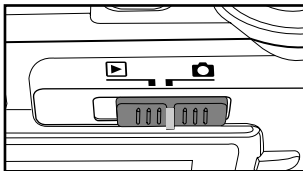
Auto photography mode is perhaps the most commonly used photography mode. Images can be captured simply because the exposure (the combination of shutter speed and aperture setting) is determined automatically to suit the photographic conditions.

You can use either the optical viewfinder and/or the 2.5" LCD monitor to compose your images. Capturing images using the optical viewfinder will conserve the battery power. If the battery power is low, it is recommended that you only compose images using the viewfinder. Using the LCD monitor, you can compose images more accurately, but at the cost of the battery consumption. Always use the LCD display for close-up macro shots.

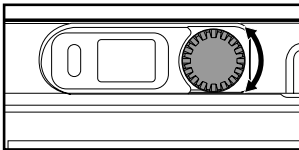
### Using the Optical Viewfinder

Make sure that the battery and SD card are inserted before capturing images.

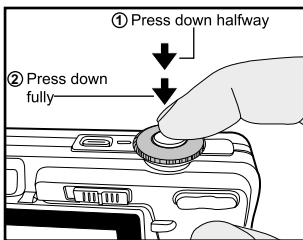
1. Press the **POWER** button to turn on the camera.
2. Slide the mode switch to [ **Q** ] and set the mode dial to [ **A** ].



3. Compose your image in the viewfinder.
  - Turn the "diopter adjustment dial" until the image appears clearly within the viewfinder.



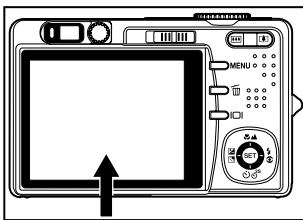
4. Press the shutter button down halfway.
  - Pressing the shutter button down halfway automatically focuses and adjusts the exposure.
  - The focus-area frame turns blue and the status LED lights green when the camera is focused and exposure is determined.
  - When the focus or exposure is not suitable, the frame of the focus area turns yellow and the status LED flashes red.
5. Press the shutter button down fully to capture the image.
  - If the photographic preview is set to "On", images (the captured image) will be displayed while the image is being recorded onto the memory.
  - When the voice memo is set to "On", [VOICE RECORDING] will be displayed on the screen immediately after the image is captured and voice memo recording will start.
  - Press the shutter button one more time during recording, or wait for 30 seconds, [VOICE RECORD END] will be displayed and the recording will end. A [📷] icon is displayed with images that have been recorded with a voice memo.



## Using the LCD Monitor

Make sure that the battery and SD card are inserted before capturing images.

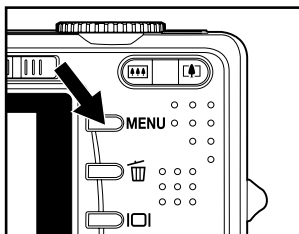
1. Press the **POWER** button to turn on the camera.
2. Slide the mode switch to [📷] and set the mode dial to [A].
  - By default, the LCD monitor setting is on.
3. Compose your image in the LCD monitor.
4. Press the shutter button down halfway, then press it down fully.



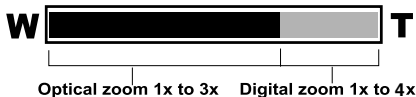
## Using the Digital Zoom

Using a combination of 3 times optical zoom and 4.0 times digital zoom permits zoom photography up to 12 times to suit the subject and the distance. Digital zoom is a compelling feature, however, the more an image is enlarged (zoomed), the more pixelated (grainer) the image will appear.

- Slide the mode switch to and set the mode dial to one of the photography modes.
- Turn on the LCD monitor by pressing the button.
- To enable the digital zoom:
  - Press the **MENU** button.
  - Select [Function] with the buttons.
  - Select [Digital Zoom] with the buttons, and press the **SET** button.
  - Select [ON] with the buttons again, and press the **SET** button.
  - Press the **MENU** button to exit from the menu screen.
  - To activate the digital zoom, press and hold the button completely until the image on the LCD monitor expands.
- Press the shutter button to capture a “zoomed” image.



Capture	Function
Capture Mode	Single
Voice Memo	Off
LCD Bright.	0
Digital Zoom	On
Preview	Off
Date Print	On
Real Time AF	Off
Menu:Exit    ◀ or ▶:Select Page	
Set : Adjust    ▲ or ▼:Select Item	




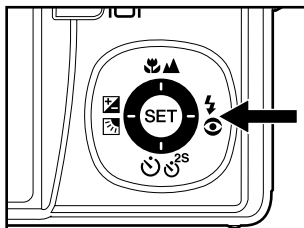
### NOTE

- Digital zoom cannot be activated in the mode.
- The digital zoom is cancelled when the LCD monitor is turned off.
- The zoom setting is automatically cancelled by either turning the camera off or the activation of the Auto Power Off function.





## Setting the Flash

Set the flash for capturing images. The flash mode can be selected for the particular photographic conditions.

- Slide the mode switch to [📷] and set the mode dial to one of the photography modes.
  - The available flash modes are dependant on the selected photography mode, scene mode, and capture mode.
- Toggle the  button to select the desired flash mode.



The available flash settings in different photography modes:

					
Scene Mode	Auto	○	○	○	○
	Panorama	○	○	○	○
	Portrait	X	○	X	X
	Landscape	X	X	X	○
	Sports	X	X	X	○
	Night	○	○	○	○
	Candlelight	X	X	X	○
	Macro	X	X	X	○
	Sunset	X	X	X	○
	Sunrise	X	X	X	○
	Splash Water	○	○	○	○
Fireworks	X	X	X	○	
Capture Mode	Single	○	○	○	○
	Continuous	X	X	X	○
	AEB	X	X	X	○
Focus Mode	Auto	○	○	○	○
	Marco	○	○	○	○
	Infinity	○	○	○	○

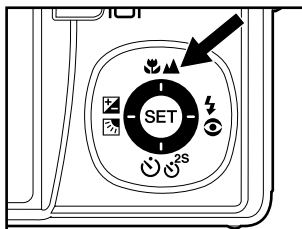
\* This table is for reference only and varies according to different combination of photography modes.

\* ○: Available X: Unavailable

## Setting the Focus

Images can be captured with the focus determined automatically using auto focus. You may over-ride the auto focus and specify [👉] macro or [▲] infinity. The focus setting will be maintained even when the power is turned off or when Auto Power Off is activated.

- Slide the mode switch to [📷] and set the mode dial to one of the photography modes.
- Toggle the [👉▲] button to select the desired focus mode.
  - Each press of the [👉▲] button moves the icon one step through the sequence and displays it on the screen.



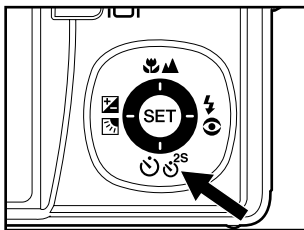
The table below will help you choose the appropriate focus mode:

Focus mode	Description
[Blank] Auto Focus	Select auto focus for most occasions when you want the camera to automatically determine the focus setting. Using auto focus any object at a range of focus is 50 cm or greater can be in focus.
[👉] Macro	Select macro to capture close-up images. When the lens is zoomed to its widest position you may focus objects as close as 5 cm. When the lens is zoomed to its telephoto position (3x zoom) you may focus objects as close as 30 cm.
[▲] Infinity	Select the infinity-focus setting when you want to capture images of subjects at a distance of infinity.

## Setting the Self-timer

This setting allows images to be captured with the self-timer.

- Slide the mode switch to [P] and set the mode dial to one of the photography modes.



- Toggle the button to select the setting.

- Each press of the button moves the icon one step through the sequence and displays it on the screen.

OFF → [ⓘ10s] 10 sec. → [ⓘ 2s] 2 sec.

- For the [M] movie mode and burst mode ([Continuous] and [Auto Exp.]):

OFF → [ⓘ10s] 10 sec. → [ⓘ 2s] 2 sec.

- Compose the image, press the shutter button down halfway, then press it down fully.
  - The self-timer LED flashes and the image will be captured after the preset time has elapsed.
  - The countdown is displayed on the LCD monitor.
  - To cancel the self-timer during operation, press the **SET** button.

The table below will help you choose the appropriate self-timer mode:

Self-timer mode	Description
[ⓘ10s] 10 sec.	The image is captured about 10 seconds after the shutter button is pressed.
[ⓘ 2s] 2 sec.	The image is captured about 2 seconds after the shutter button is pressed.



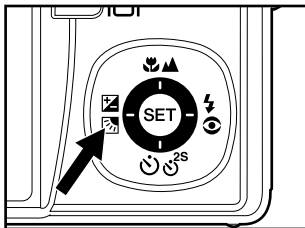
- The self-timer setting is automatically cancelled after an image is captured.
- Use of the [ⓘ 2s] self-timer setting is effective in preventing motion-blur that can result when the shutter button is pressed at long exposure times. Use this mode and a tripod for best results.



## Exposure Compensation/Backlight Correction

Images can be captured with the overall scene intentionally made brighter or darker. These settings are used when a suitable brightness (exposure) cannot otherwise be obtained in circumstances where the difference in brightness between the subject and the background (the contrast) is large, or when the subject that you wish to capture is very small within the scene. Exposure can be set in 0.3 EV units.

- Slide the mode switch to [📷] and set the mode dial to [P], [Tv], [Av] and press the [Z] button.
  - Each press of the [Z] button displays the setting in the order of [Blank], [📷] Backlight Correction, and [Z] Exposure Compensation.
- Set the exposure value with the ▲/▼ buttons.
  - Press the ▲ button to increase the value.
  - Press the ▼ button to decrease the value.



- The setting range of the exposure compensation is as follows: -2.0, -1.7, -1.3, -1.0, -0.7, -0.3, 0, +0.3, +0.7, +1.0, +1.3, +1.7, +2.0.
- The larger the value, the brighter the image. The smaller the value, the darker the image. The set value is displayed on the screen.

### Effective Subjects and Set Values

- + (positive) compensation**
  - Printed matter comprising black text on whitish paper
  - Backlighting
  - Bright scenes or strong reflected light such as ski slopes
  - When the sky accounts for a large area on the screen
- (negative) compensation**
  - People illuminated by a spotlight, in particular, against dark background
  - Printed matter comprising white text on blackish paper
  - Weak reflecting bodies such as evergreen trees or darkish leaves
- Backlight correction (+1.3 EV, fixed)**
  - When the background is bright and the subject is dark.
  - When subjects (people) have a light source such as the sun to their backs.

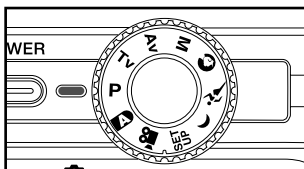


- The backlight correction setting can be set in the [📷], [P], [Tv], [Av], [📷], [C] and [📷] modes.

## [P] Program (Automatic Exposure) Photography Mode

The camera automatically sets the shutter speed and the aperture to suit the brightness of the subject. This allows you to capture image with ease just like when the [A] mode is selected.

1. Slide the mode switch to [CAM] and set the mode dial to [P].
2. Compose the image, press the shutter button down halfway, then press it down fully.



### NOTE

- Exposure compensation can be set.

## [Tv] Shutter Speed Priority Photography Mode

In this mode, images are captured with the priority given to shutter speed. The aperture is automatically set according to the shutter speed. If you set a fast shutter speed, you can capture images of moving subjects that look as if they are still. If you set a slow shutter speed, you can capture images that give the impression that the subject is in motion.

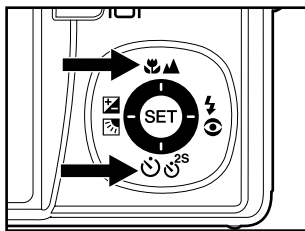
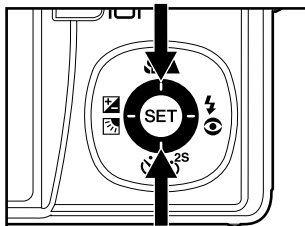
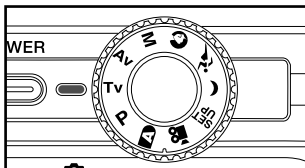
- Slide the mode switch to [Q] and set the mode dial to [Tv].
- Press the **SET** button.

- After pressing the **SET** button in [Tv] mode, the  $\uparrow/\downarrow$  buttons turn into  $\blacktriangle/\blacktriangledown$  buttons for adjusting shutter speed.
- Pressing the **SET** button again, the  $\blacktriangle/\blacktriangledown$  buttons return to focus setting/self-timer function.

- Set the shutter speed with the  $\blacktriangle/\blacktriangledown$  buttons.

- Press the  $\blacktriangle$  button to select faster shutter speeds.
- Press the  $\blacktriangledown$  button to select slower shutter speeds.
- The setting range of the shutter speed is as follows:  
1/1500, 1/1250, 1/1000, 1/820, 1/650, 1/500, 1/400, 1/320, 1/250, 1/200, 1/160, 1/125, 1/100, 1/80, 1/64, 1/50, 1/40, 1/32, 1/25, 1/20, 1/16, 1/13, 1/10, 0.13s, 0.16s, 0.2s, 0.25s, 0.3s, 0.4s, 0.5s.
- The shutter speed and corresponding aperture value are displayed on the screen. If an appropriate combination cannot be set, the aperture value is displayed in red, but images can be captured regardless.

- Compose the image, press the shutter button down halfway, and then press it down fully.



### NOTE

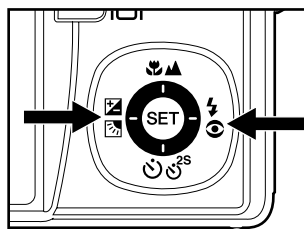
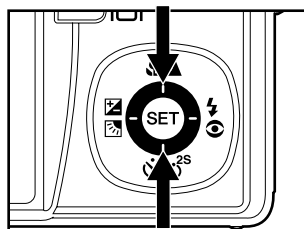
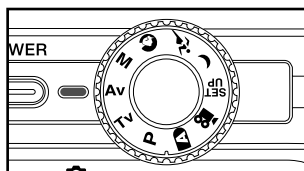
- In the flash photography mode, when [F] and [AF] are set, the fastest shutter speed is 1/250 second.

## [Av] Aperture Priority Photography Mode

In this mode, images are captured with the priority given to aperture. The shutter speed is automatically set according to the aperture. The aperture will affect the depth-of-field of the camera.

If you set a small aperture (higher F value), you can capture portrait images with an out-of-focus background. Alternatively, if you set a large aperture (lower F value), both close objects and distant objects will be in focus, for example when capturing landscape images.

1. Slide the mode switch to [CAM] and set the mode dial to [Av].
2. Press the **SET** button.
3. Set the aperture value with the ◀/▶ buttons.
  - Press the ▶ button to increase the value.
  - Press the ◀ button to decrease the value.
  - The setting range of the aperture value is as follows:  
F6.7, F5.6, F4.8, F4.0, F3.5, F2.8.
  - The aperture value and corresponding shutter speed are displayed on the screen. If an appropriate combination cannot be set, the shutter speed is displayed in red, but images can be captured regardless.
4. Compose the image, press the shutter button down halfway, and then press it down fully.



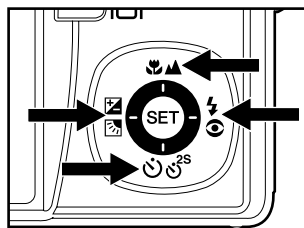
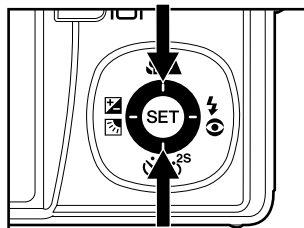
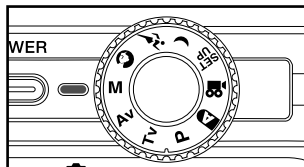
**NOTE**

- The aperture value varies depending on the position of the zoom lens.

## [M] Manual Mode

In manual mode, the aperture value and the shutter speed can be varied individually.

- Slide the mode switch to and set the mode dial to [M].
- Press the **SET** button.
  - After pressing the **SET** button in [M] mode, the buttons turns into buttons for adjusting shutter speed.
  - After pressing the **SET** button in [M] mode, the buttons turns into buttons for adjusting aperture value.
  - Pressing the **SET** button again, the buttons returns to focus setting/self-timer/exposure compensation/flash setting function.
- Set the shutter speed with the buttons.
- Set the aperture value with the buttons.
- Compose the image, press the shutter button down halfway, and then press it down fully.




### NOTE













- In the flash photography mode, when and are set, the fastest shutter speed is 1/250 second.

## Setting the Scene Mode

By simply selecting one of the following 12 modes, you can capture the image with most appropriate settings.


- Slide the mode switch to [  ] and set the mode dial to one of the photography modes.
  - Press the **MENU** button.
  - Select [Scene Mode] with the **▲/▼** buttons, and press the **SET** button.
  - Select the desired scene mode with the **▲/▼** buttons, and press the **SET** button.
- Compose the image, press the shutter button down halfway, and then press it down fully.

The table below will help you choose the appropriate scene mode:

Scene mode	Description
[  ] Auto	Camera automatically determines settings needed for the best picture.
[  ] Panorama	To create 360° panoramic images.
[  ] Portrait	To photograph a person and blur out the background.
[  ] Landscape	To photograph mountains, forests or other landscape scenery rich in color.
[  ] Sports	To photograph fast-moving objects.
[  ] Night	To photograph scenes at night.
[  ] Candlelight	Softer focus and daylight white balance (tripod use suggested).
[  ] Macro	For close-up photography.
[  ] Sunset	Small aperture setting and daylight white-balance, ideal for use where shades of red are prominent.
[  ] Sunrise	High color saturation and deeper red shades.
[  ] Splash Water	Fast shutter speed.
[  ] Fireworks	Small aperture setting and slow shutter speed (tripod use suggested).



## Setting the Panorama Mode

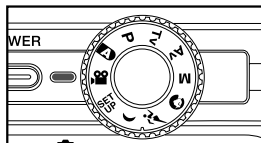
This mode is designed to make it easier to take a series of shots then stitch them together with software to make a single photo. You can capture a photographic subject that won't fit into a single frame, such as a landscape, and stitch it together later with a program such as Cool 360 or Photoshop application.

1. Slide the mode switch to [  ].
  - a. Press the **MENU** button.
  - b. Select [Scene Mode] with the ▲ / ▼ buttons, and press the **SET** button.
  - c. Select [Panorama] with the ▲ / ▼ buttons, and press the **SET** button.
2. Shoot the first image.
  - The next image appears beside the previous image.
3. Orient the camera so that the second frame overlaps a small portion of the photographic subject of the first image and press the shutter button to capture the next image.
4. Follow the same steps to capture subsequent images in the sequence.
5. Finish the sequence by pressing the **MENU** button or switch to another mode after the last image has been recorded.

## [] Movie Mode

This mode allows you to record video clips at a resolution of 320 x 240 / 640 x 480 pixels. Voice can also be recorded.

1. Slide the mode switch to [] and set the mode dial to [].
2. Compose the image with the zoom button.
3. Fully press down the shutter button.
  - The recording of the video clip will start.
  - Pressing the shutter button again will end the recording and save the video on the SD card.
  - The recording time depends on the storage size and the subject of the image to be recorded.
  - Zoom function can be used during video recording without audio.
  - You can record video clips with Audio freely, but no zoom function at this condition.



### NOTE

- When recording video clips, the flash cannot be used.
- While the image is being recorded into the SD card, do not open the battery/SD card cover, nor remove the battery or SD card. Doing so might damage the SD card or destroy the data.

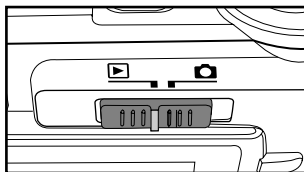


## [▶] PLAYBACK MODE

### Playing Back Still Images

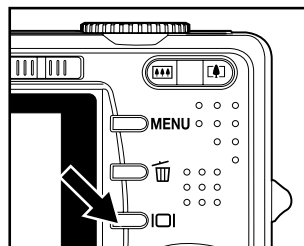
You can play back the still images on the LCD monitor. Insert the SD card into the camera and turn on the power before starting.

- Slide the mode switch to [▶].
  - The last image appears on the screen.
- The images can be fed in reverse or fed forward with the ◀▶ buttons.



### Image Display Information

You can switch the state of the information display by pressing the [I] button when playing back images. Each press of the [I] button switches the information display state in the following order:



#### NOTE

- Pressing the ▲/▼ buttons during image playback will rotate the image 90 degrees. The ▼ button rotates the image clockwise, whereas the ▲ button rotates the image counterclockwise. A press of the button opposite to the direction in which the image was rotated will return the image to the normal display.
- A [🔒] icon is displayed with the video data. Video clips cannot be rotated.
- A [🗣️] icon is displayed with images which have an audio memo recorded.
- Press the **SET** button to play back voice memos.
- In zoom playback, the display is switched between normal and non-display.

## Playing Back Video Clips

You can play back video clips recorded on the camera. You can also play back voice.

1. Slide the mode switch to [📷].
  - The last image appears on the screen.
2. Select the desired video clip with the ◀/▶ buttons.
  - A [📹] icon is displayed with the video data.
3. Press the **SET** button to play back a video clip.
  - Pressing the ▶/◀ buttons during playback initiates fast forward/fast reverse.
  - To stop video playback, press the ▼ button.  
This stops playback and returns to the start of the video clip.
  - To pause video playback, press the **SET** button.  
This pauses video playback. To cancel pause, press the **SET** button again.



### NOTE

- Video clips cannot be displayed rotated or enlarged.

## Attaching Voice Memos

A maximum of 30 seconds of audio can be recorded like a memo annotation for each still image. The voice memo can be recorded only once.

1. Slide the mode switch to [D].
  - The last image appears on the screen.
2. Select the image that you want to attach the voice memo with the ◀/▶ buttons.
3. Press the shutter button.
  - [VOICE RECORDING] is displayed on the screen and recording starts.
4. To stop recording voice memo during recording, press the shutter button again.
  - [VOICE RECORD END] will be displayed and the recording will end.  
A [🗣️] icon is displayed with images that have been recorded with a voice memo.

### Playing back voice memo

Pressing the **SET** button displays [VOICE PLAYBACK] and plays back the voice memo.



#### NOTE

- Voice memo is available at the time of still single image capture mode as well as during playback.

## Thumbnail Display

This function allows you to view nine thumbnail images on the LCD monitor simultaneously, so you can quickly search for the image that you want.

- Slide the mode switch to [D].
  - The last image appears on the screen.
- Press the **◆◆◆** button.
  - The images are displayed in the thumbnail display.
  - Images that have been selected with the **▲/▼/◀/▶** buttons will be indicated by a green frame.
  - When there are ten or more images, scroll the screen with the **▲/▼** buttons.
- Press the **▲/▼/◀/▶** buttons to select the image to be displayed at regular size.
- Press the **SET** button.
  - The selected image is displayed at its regular size.



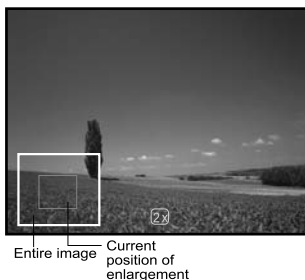
### NOTE

- As appropriate, the [👤], [📷], [🗨️], [🏠] icon will be displayed in a thumbnail display.

## Zoom Playback

This mode also allows you to enlarge your image on the selected portion of the image to check for small details.

- Slide the mode switch to [D].
- Press the ◀/▶ buttons to select the image you want to enlarge.
  - You can also select the image you want to enlarge from the thumbnail display.
- Adjust the zoom ratio with the ▲/◆◆ buttons.
  - Pressing the ▲ button enlarges the image.
  - To return to normal magnification, press the ◆◆ button.
  - The magnification factor is displayed on the LCD monitor.
  - The image is displayed enlarged, and a white frame and green frame are displayed on the LCD monitor.
  - The white frame indicates the entire image, while the green frame shows the location of the currently enlarged area.
- Press the ▲/▼/◀/▶ buttons to select the area to enlarge.
- To return to regular display, toggle the ◆◆ button until the regular display appears on the screen.



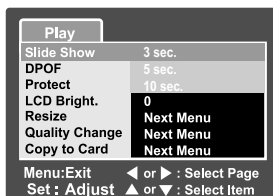
### NOTE

- The range of magnification factor is from 1x to 4x in 0.5x increments.

## Slideshow Display

The slideshow function enables you to play back your still images automatically in sequential order as a slideshow. This is very useful and entertaining feature for reviewing captured images and for presentations.

1. Slide the mode switch to [▶].
2. Press the **MENU** button.
  - The playback menu is displayed.
3. Select [Slide Show] with the ▲/▼ buttons, and press the **SET** button.
4. Set the playback interval with the ▲/▼ buttons, then press the **SET** button.
5. To stop the slide show during playback, press the **SET** button.
  - The image is displayed on screen when you press the **SET** button.



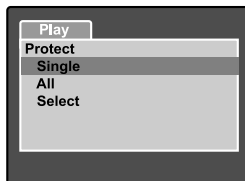
- The Auto Power Off function is disabled during a slide show.
- All still images in the folder are automatically played back.
- Video clips are displayed the first frame image, and they are not played back
- Slideshow display is only activated when more than 2 images are stored in the SD card/internal memory.

## Protecting Images

You may protect an image from accidental deletion, or erasure.

### Protecting Images

- Slide the mode switch to [D].
- Select the image that you want to protect with the ◀/▶ buttons.
- Press the **MENU** button.
  - The playback menu is displayed.
- Select [Protect] with the ▲/▼ buttons, and press the **SET** button.
- Select [Single] or [All] with the ▲/▼ buttons, and press the **SET** button.
- Select [Set] with the ▲/▼ buttons, and press the **SET** button.
  - Protection is applied to the image and the camera returns to the playback mode.
  - The protect icon (🔒) is displayed with protected images. When [All] has been selected, (🔒) is displayed with all images.



### Canceling Protection

To cancel protection for only one image, display the image that you want to remove the image protection.

- Select [Protect] with the ▲/▼ buttons from the playback menu, and press the **SET** button.
- Select [Single] or [All] with the ▲/▼ buttons, and press the **SET** button.
- Select [Cancel Protect] with the ▲/▼ buttons, and press the **SET** button.
  - The image is no longer protected and the camera returns to playback mode.

### Protecting multiple images

- Select [Protect] with the ▲/▼ buttons from the playback menu, and press the **SET** button.
- Select [Select] with the ▲/▼ buttons, and press the **SET** button.
  - The images are displayed in the thumbnail display.
- Select the image you want to protect with the ▲/▼/◀/▶ buttons, and press the [I] button.
  - The protect icon (🔒) is displayed with protected images. Selecting a protected image and pressing the [I] button again will cancel the protection.
- Press the **SET** button.
  - The camera returns to playback mode.






**NOTE**

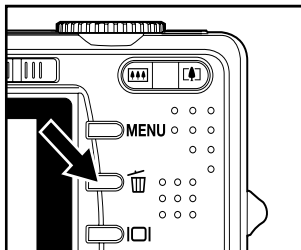
- Formatting an SD card overrides protection, and erases all images regardless of their protected status.

## Deleting Images

### Immediate Erasure (Quick Delete Function)







The quick delete function enables you to delete the last-captured image during capture.

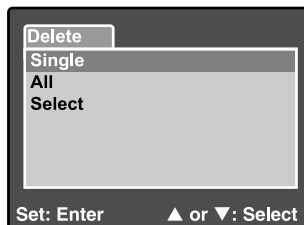
- Slide the mode switch to  and set the mode dial to one of the photography modes.
- Press the  button.
  - The last image and quick delete menu appear on the screen.
- Press the  button again to delete the image.
  - You may also press the **SET** button to confirm the deletion.
  - To not delete, select [Cancel], and press the **SET** button.



### Deleting in Playback Mode

Deleting a single image/Deleting all images

- Slide the mode switch to .
  - The last image will be displayed on the screen.
- Select the image you want to delete with the /  buttons.
- Press the  button.
  - The deletion menu will be displayed.
- Select [Single] or [All] with the /  buttons, and press the **SET** button.
  - [Single]: Deletes the selected image or the last image.
  - [All]: Deletes all of the images on the SD card except for protected images.
  - [Select]: Deletes a set of selected images.








5. Select [Execute] with the ▲/▼ buttons, and press the **SET** button.
  - To not delete, select [Cancel], and press the **SET** button.

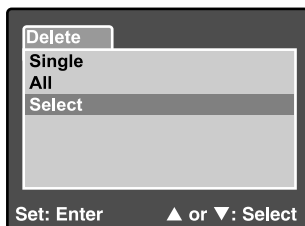
**NOTE**

- Deleting an image will not affect sequential image numbering. For example, if you delete image number 240, the next captured image will be numbered 241 even though 240 no longer exists. In other words, an image-number is retired when an image is deleted and will not be reused or reassigned to another subsequently captured image.

## Deleting selected images

This deletes a number of selected images.

1. Slide the mode switch to [📷].
2. Press the  button.
  - The deletion menu will be displayed.
3. Select [Select] with the ▲/▼ buttons, and press the **SET** button.
  - The images are displayed in the thumbnail display.
4. Select the image you want to delete with the ▲/▼/◀/▶ buttons, and press the  button.
  - The  icon will be displayed. One more press of the delete button will cancel the operation. Repeat this procedure and select all the images that you want to delete.
5. Press the **SET** button.



## DPOF Settings

DPOF (Digital Print Order Format) allows you to embed printing information on your memory card. Files saved in the DPOF format can be printed using compatible printers or through a laboratory printing device.

1. Set the mode dial to [RE].
2. Select the image that you want to set DPOF with the ◀/▶ buttons.
3. Press the **MENU** button.

- The playback menu is displayed.

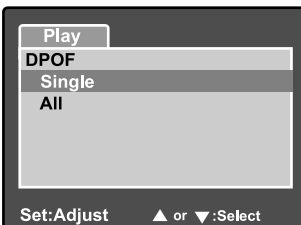
4. Select [DPOF] with the ▲/▼ buttons, and press the **SET** button.

- The DPOF setting screen is displayed.



5. Select [Single] or [All] with the ▲/▼ buttons, and press the **SET** button.

- [Single]: Sets DPOF for each individual image.
- [All]: Sets DPOF for all images at once.



6. Select [Print Num.] with the ▲/▼ buttons, and press the **SET** button.

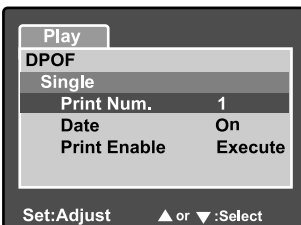
- This displays the number of prints setting screen.

7. Set the number of prints with the ▲/▼ buttons, and press the **SET** button.

- You can set up to 9 prints for each image.

8. Select [Date] with the ▲/▼ buttons, and press the **SET** button.

- The date and time setting screen appears.



- Select date to [On] or [Off] with the ▲/▼ buttons, and press the **SET** button.

**[On]:** The date of the photograph will also be printed.

**[Off]:** The date of the photograph will not be printed.

- Select [Print Enable] with the ▲/▼ buttons, and press the **SET** button.

- Select [Execute] with the ▲/▼ buttons, and press the **SET** button.

- This creates a file containing the DPOF information, and when the operation is finished, the screen returns to the playback screen.

- The DPOF icon (🖨️) is displayed on each image that have set up DPOF settings.



**NOTE**

- The date that is printed on the photo is the date set on the camera. To print the correct date on the photo, set the date on the camera before you capture the image. Refer to the section in this manual titled **"Setting the Date and Time"** for further details.

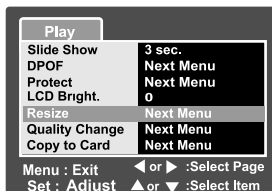
## Resizing an Image (Resize)

Resizes a previously saved image.

Resizing replaces the original image with the changed image. Only resizing to the smaller size is available.

The following images cannot be resized:

- Image size (640 x 480)
- Image captured with other camera
- Protected images
- Video clips
- Images cannot be resized when the SD card is write-protected



- Select the image that you want to resize.
- Press the **MENU** button.
- Select [Resize] with the ▲/▼ buttons, and press the **SET** button.
- Select the image size that you want to change with the ▲/▼ buttons, and press the **SET** button.
  - To quit resizing, press the **MENU** button.
  - When resizing ends, the screen returns to playback mode.



**NOTE**

- It is possible to reduce the size of an image. It is not possible to increase the size of an image, or to restore size after it has been decreased.

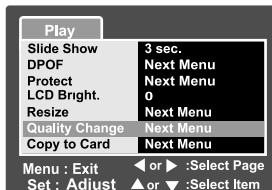
## Compressing an Image (Quality Change)

Changes the quality (compression rate) of a recorded image.

Compresses images down to half of their size or more, overwrites an old size images with a newly compressed image. Only quality changing to the lower quality level is available.

The following images cannot be resized:

- (Economy) quality images
- Images captured with other camera
- Protected images
- Video clips
- Images cannot be changed quality when the SD card is write-protected



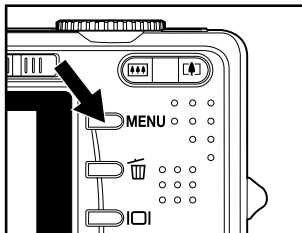
1. Select the image that you want to change its quality.
2. Press the **MENU** button.
3. Select [Quality Change] with the ▲ / ▼ buttons, and press the **SET** button.
4. Select the image size that you want to change with the ▲ / ▼ buttons, and press the **SET** button.
  - To quit compression, press the **MENU** button.
  - When compression ends, the screen returns to playback mode.

# MENU OPTIONS

## Photography Menu (Capture tab)

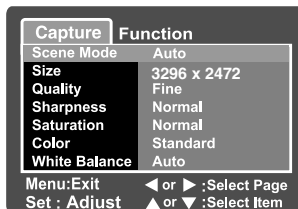
This menu is for basic settings used when capturing images in the photography modes. These settings are retained even if the camera is turned off or the Auto Power Off function is activated.

- Slide the mode switch to [P] and set the mode dial to one of the photography modes.
- Press the **MENU** button.
  - The [Capture] tab of the photography menu is displayed.
- Select the desired [Capture] option item with the ▲/▼ buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the ▲/▼ buttons, and press the **SET** button.
- To exit from the photography menu, press the **MENU** button.



### Scene Mode

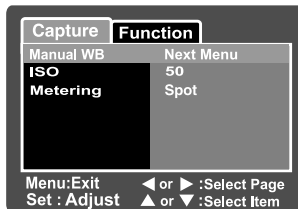
Refer to section in this manual titled “**Setting the Scene Mode**” for further details.



### Size

This sets the resolution of the still-image that will be captured.

- [P] 3296 x 2472
- [S] 2560 x 1920
- [M] 1600 x 1200
- [L] 640 x 480



## Quality

This sets the quality (compression rate) at which the image is captured.

- \* [★★★] Fine
- \* [★★] Normal
- \* [★] Economy
- \* [TIFF] TIFF



- TIFF setting is only available at resolution 3296 x 2472.

## Sharpness

This sets the sharpness of the image that will be photographed.

- \* Hard / Normal / Soft

## Saturation

This sets the dsaturation of the image that will be captured.

- \* High / Normal / Low

## Color

This sets the color of the image that will be photographed.

- \* Standard / Vivid / Sepia / Monochrome

## White Balance

This sets the white balance capturing under a variety of lighting conditions and permits images to be captured that approach the conditions that are seen by the human eye.

- \* [Blank] Auto
- \* [☀] Incandescent
- \* [💡] Fluorescent 1
- \* [💡] Fluorescent 2
- \* [☀] Daylight
- \* [☁] Cloudy
- \* [M] Manual

## Manual WB

This manually sets the white balance and stores it. Use of this is convenient when the white balance does not offer a good match.

Before select [Execute] determine the subject (such as a white paper) that will be used to set the white balance.

- \* Cancel / Execute

## ISO

This sets the sensitivity for capturing images. When the sensitivity is raised (and the ISO figure is increased), photography will become possible even in dark locations, but the more pixelated (grainier) the image will appear.

- \* 50 / 100 / 200 / Auto

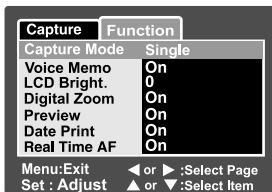
## Metering

This sets the metering method for calculating the exposure.

- \* [Blank] Average: Averages the light metered from the entire frame, but gives greater weight to the subject matter at the center.
- \* [●] Spot: A very small portion of the center of the screen is measured, and the exposure is calculated.

## Photography Menu (Function tab)

- Slide the mode switch to [Q] and set the mode dial to one of the photography modes.
- Press the **MENU** button, and select the [Function] menu with the ► button.
  - The [Function] tab of the photography menu is displayed.
- Select the desired [Function] option item with the ▲/▼ buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the ▲/▼ buttons, and press the **SET** button.
- To exit from the photography menu, press the **MENU** button.



### Capture Mode

This sets the recording method at the time of capturing images.

- \* **[Blank] Single:** Capture an image at a time.
- \* **[ ] Continuous:** Permits continuous photography of 3 images max.
- \* **[AEB] AEB:** Permits 3 consecutive images in the order of standard exposure, underexposure and overexposure compensation.



#### NOTE

- In [Continuous] and [AEB] capture mode, the voice memo is automatically fixed at [Off].

### Voice Memo

Refer to section in this manual titled "**Recording Voice Memos**" for further details.

- \* On / Off

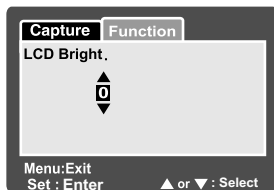


#### NOTE

- When [Voice Memo] is set to [On], the preview setting is also fixed at [On].

## LCD Bright.

Select a brightness level for the LCD monitor. The LCD becomes brighter with the ▲ button and darker with the ▼ button. The adjustment range is from -5 to +5.



## Digital Zoom

This sets whether or not to use digital zoom at the time of photography.

\* On / Off

## Preview

This sets whether or not to display the captured image on the screen immediately after the image is captured.

\* On / Off



**NOTE**

- When [Preview] is set to [Off], [Voice Memo] setting is also fixed at [Off].

## Date Print

The date of recording can be printed directly on the still images. This function must be activated before the image is captured.

\* On / Off



Date imprinted here.

## Real Time AF


This sets the Real Time Focus function at image capture preview mode.

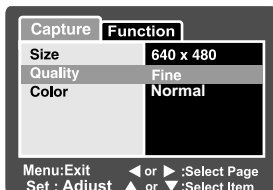
\* On / Off



## Video Menu (Capture tab)



This menu is for the basic settings to be used when recording video clips.

- Slide the mode switch to [  ].
- Press the **MENU** button.
  - [Capture] menu is displayed.
- Select the desired [Capture] option item with the **▲** / **▼** buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the **▲** / **▼** buttons, and press the **SET** button.
- To exit from the menu, press the **MENU** button.



### Size

This sets the size of the image that will be photographed.

- \* [  ] 640 x 480
- \* [  ] 320 x 240

### Quality


This sets the quality (compression rate) at which the image is captured.

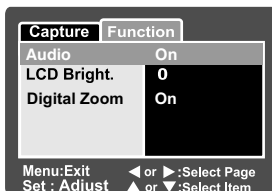
- \* [  ] Fine
- \* [  ] Normal

### Color

Refer to the section in this manual titled “**Photography Menu (Capture)**” for further details.

## Video Menu (Function tab)

- Slide the mode switch to [  ].
- Press the **MENU** button, and select the [Function] menu with the **▶** button.
  - [Function] menu is displayed.
- Select the desired [Function] option item with the **▲** / **▼** buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the **▲** / **▼** buttons, and press the **SET** button.
- To exit from the movie menu, press the **MENU** button.



### Audio

This sets whether or not to record audio at the time of video recording.

\* On / Off


### LCD Bright.


Refer to section in this manual titled “**LCD Bright.**” in **Photography Menu (Function)** for further details.

### Digital Zoom

Refer to section in this manual titled “**Digital Zoom**” in **Photography Menu (Function)** for further details.

## Playback Menu

In the [  ] mode, set which settings are to be used for playback.

- Slide the mode switch to [  ].
- Press the **MENU** button.
  - The playback menu is displayed.
- Select the desired option item with the **▲** / **▼** buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the **▲** / **▼** buttons, and press the **SET** button.
- To exit from the menu, press the **MENU** button.



### NOTE

- The unavailable menu options and settings are in gray color.

### Slide Show

Refer to section in this manual titled “**Slideshow Display**” for further details.

### DPOF

Refer to section in this manual titled “**DPOF Settings**” for further details.

### Protect

Refer to section in this manual titled “**Protecting Images**” for further details.

### LCD Bright.

Refer to section in this manual titled “**LCD Bright.**” in **Photography Menu (Function)** for further details.

### Resize

Refer to section in this manual titled “**Resizing an Image (Resize)**” for further details.

### Quality Change

Refer to section in this manual titled “**Compressing an Image (Quality Change)**” for further details.

### Copy to Card

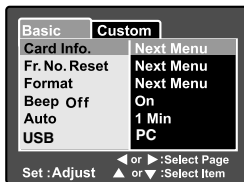
Allows you to copy your files from the digital still camera’s internal memory to a memory card. Of course, you can only do this if you have a memory card installed and some files in internal memory.

\* Cancel / Execute

## Setup Menu (Basic tab)

In the setup menus you may adjust your camera's operating environment. The settings will be retained after the power has been turned off or Auto Power Off is activated.

- Slide the mode switch to [C] and set the mode dial to [UP].
  - The [Basic] tab of the set-up menu is displayed.
- Select the desired [Basic] option item with the ▲/▼ buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the ▲/▼ buttons, and press the **SET** button.
- To exit from the set-up menu, change the mode dial setting.



### Card Info.

This will display the total capacity of your memory card as well as the remaining (unused) capacity. Note that the stated capacity may be less than the advertised (labeled) capacity of your SD memory card. This is attributable to the difference between binary (base 2) and engineering (base 10) methods of capacity calculation.

### Fr. No. Reset

This creates a new folder on your memory card. From this point forward, newly captured images are stored in the newly created folder starting with image number 0001.

\* Cancel / Execute

### Format

This function reformats the SD card loaded in your camera and thereby erases all images as well as any other non-image data on the memory card. Even protected images are. An SD card cannot be formatted if it is write-protected.

Refer to the section in this manual titled "**Formatting an SD Card**" for further details.

### Beep

Enables or disables the sounds (beeps) associated with camera button functions.

\* On / Off

### Auto Off

If no operation is performed for a specific period of time, the camera will automatically turn off. This feature is useful to reduce battery consumption.

\* 1 Min. / 2 Min. / 3 Min. / Off

### USB

This sets USB mode when connecting to your computer at any camera mode.

\* PC / PictBridge

## Setup Menu (Custom tab)

- Slide the mode switch to [CAM] and set the mode dial to [MENU].
- Select the [Custom] menu with the ► button.
  - The [Custom] tab of the set-up menu is displayed.
- Select the desired [Custom] option item with the ▲/▼ buttons, and press the **SET** button to enter its respective menu.
- Select the desired setting with the ▲/▼ buttons, and press the **SET** button.
- To exit from the set-up menu, change the mode dial setting.



### Date/Time

This sets the date and the time.

Refer to the section in this manual titled “**Setting the Date and Time**” for further details.

### Sys. Reset

This returns all basic settings to the camera's default settings. Note that the date and time setting will not be reset, however.

\* Cancel / Execute

### Language

This sets the language that is displayed on the LCD monitor.

Refer to the section in this manual titled “**Choosing the OSD Language**” for further details.

### Video Output

This sets video output standard of the camera so you may connect your camera to video equipment.

\* NTSC / PAL

### System Info.

This displays the firmware version of the camera.

# EDITING SOFTWARE INSTALLATION

## Installing NTI Photo Suite

PC users will find that NTI Photo Suite is a very user-friendly image-editing program. With NTI Photo Suite, you can retouch, compose, and organize your images. It includes a variety of templates, such as photo frames, birthday cards, calendars and more. Get your images ready and explore this amazing program.

### To install NTI Photo Suite:

1. Insert the CD-ROM that came with the camera into your CD-ROM drive. The welcome screen appears.
2. Click "**INSTALL NTI PHOTO SUITE**". Follow the on-screen instructions to complete the installation.



#### NOTE

- To use NTI Photo Suite to edit and retouch your recorded images, please refer to the on-line help.
- For Windows 2000/XP users, please make sure to install and use the NTI Photo Suite in "Administrator" mode.
- NTI Photo Suite is not supported on the Mac. iPhoto or iPhoto2 is recommended.

## CAMERA SPECIFICATIONS

Item	Description
Image sensor	8.28 Mega pixels CCD sensor
Image resolution	<Still image> 3296 x 2472, 2560 x 1920, 1600 x 1200, 640 x 480 < Video clip> 640 x 480, 320 x 240
LCD monitor	2.5" LTPS TFT color LCD
Image quality	Fine/Normal/Economy/TIFF
Recording media	32 MB internal memory (25.9 MB for image storage) Supports SD card (up to 1GB) (optional)
Image file format	JPEG (EXIF 2.2), DCF, DPOF, ASF
Lens	3x optical zoom lens F-no.: 2.8 (Wide)/4.8 (Tele) Focal length: 7.5 mm ~ 22.5 mm (equivalent to 36 mm - 108 mm on a 35 mm camera)
Range of focus	Wide: Approx. 5 cm to infinity (in Macro mode) Tele: Approx. 30 cm to infinity (in Macro mode) Normal: Approx. 50 cm to infinity
Shutter speed	1/2 -1/1500 sec.
Digital zoom	4x (Still-image capture mode) 2x and 4x enlargement (Still-image playback mode)
Flash effective range	0.5 m -2.7 m
Interface	DC IN 5V terminal A/V OUT terminal USB terminal (USB 2.0 compliant)
Power supply	Rechargeable Lithium-ion battery (3.7V, optional) AC power adapter (5V/3A, optional)
Dimension (WxHxD)	Approx. 91 x 57 x 27mm (without protruding parts)
Weight	Approx. 150 g (without the battery & SD card)

\* Design and specifications are subject to change without notice.