

HiTi C100-ID

User Manual

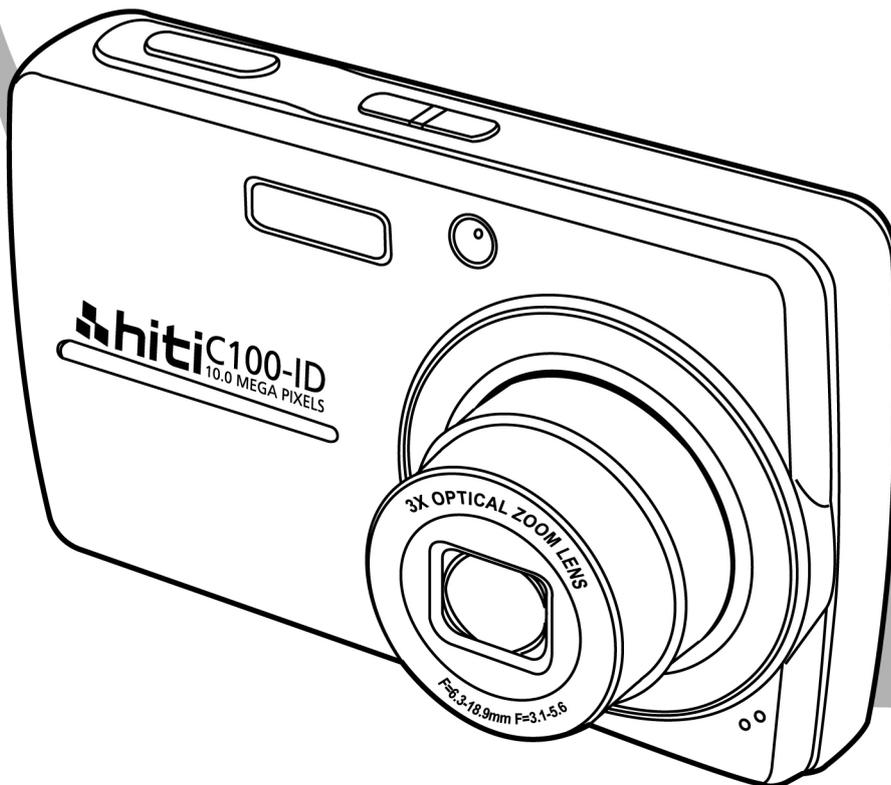


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Preface

About this Manual

This manual is designed to assist you in using your new digital camera. All information presented is as accurate as possible but is subject to change without notice.

Copyright

This manual contains proprietary information protected by copyright. All rights are reserved. No part of this manual may be reproduced by any mechanical, electronic or other means, in any form, without prior written permission of the manufacturer.

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Federal Communications Commission (FCC) Compliance

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the distance between the equipment and the receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Warning: A shielded-type power cord is required in order to meet FCC emission limits and to prevent interference to radio and television reception. Use only shielded cable to connect I/O devices to this equipment. Any changes or modifications not expressly approved by the manufacturer may void your warranty and service agreement.

Declaration of Conformity

This device complies with Part 15 of the FCC rules. Operation is subject to the following conditions:

- This device may not cause harmful interference.
- This device must accept any interference received, including interference that may cause undersired operation.

Trademark Recognition

Windows 98/2000/ME/XP are registered trademarks of Microsoft Corporation in the United States and/or other countries. Windows is an abbreviated term referring to the Microsoft Windows Operation System. All other companies or product names are trademarks or registered trademarks of their respective companies.

Safety and Handling Precautions

Camera Information

- Do not take apart or attempt to service the camera yourself.
- Do not expose the camera to moisture, or extreme temperatures.
- Allow the camera to warm up when moving from cold to warm temperatures.
- Do not touch the camera lens.
- Do not expose the lens to direct sunlight for extended periods.
- Do not use abrasive chemicals, cleaning solvents or strong detergents to clean the product. Wipe the product with a slightly damp soft cloth.

Battery Information

- Turn off the camera before installing or removing the battery.
- Use only the provided batteries or type of battery and charger that came with your camera. Using other types of battery or charger may damage the equipment and invalidate the warranty.
- When using Li-ion battery in this product, ensure that they are inserted correctly. Inserting the battery upside down can cause damage to the product and possibly cause an explosion.
- When the camera is used for an extended period of time, it is normal for the camera body to feel warm.
- Download all pictures and remove the battery from the camera if you are going to store the camera for a long period of time.

Using this Menu

Symbols used in this manual are explained below:

	This indicates useful information when using your camera.
	This indicates warning message that should be read before using the function.

Introduction

Congratulations on the purchase of your new digital camera. This manual provides step-by-step instructions on how to use your camera, and is intended for your reference only.

System Requirements

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

For Windows:

- Windows 98SE/2000/XP/ME/Vista
- Processor: Pentium II 450MHz or above
- Memory: 512MB or above
- HDD space: 200 MB or above
- 16bit color display monitor
- Microsoft DirectX 9.0C
- USB port and CD-ROM drive

For Macintosh

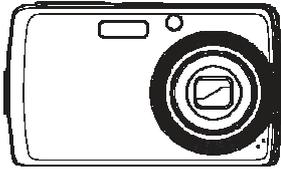
- Power Mac G3 or later
- Mac OS 10.0-10.4
- Memory: 64MB or above
- HDD space: 110MB or above
- USB port and CD-ROM drive

Main Features

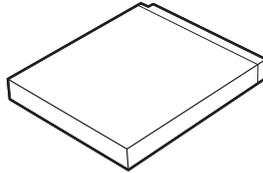
- 10 mega pixels resolution
- Up to 3x optical zoom and 5x digital zoom
- 1/2.3 inch CCD image sensor
- 3 inch color LTPS LCD monitor
- 32MB internal flash memory with optional external SD/SDHC card
- Supports up to 4GB of SD card, and up to 8GB of SDHC card
- Sleek metallic finish
- Easy-to-use button interface
- DCF, DPOF, PictBridge compatibility
- Slideshow feature to review your pictures and movies
- A/V output to view your pictures and movies on your TV
- USB port to transfer photos and movies to your PC

Package Contents

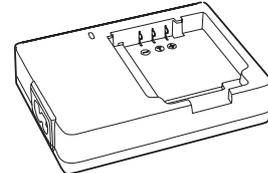
Please check the contents of your camera package. It should contain:



Digital camera



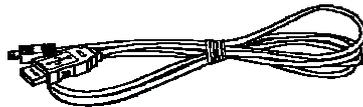
Li-ion battery



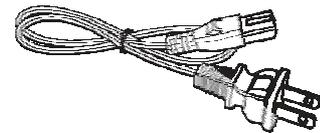
Battery charger



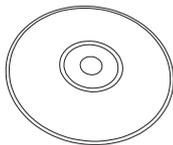
Wrist strap



USB cable



Power cord



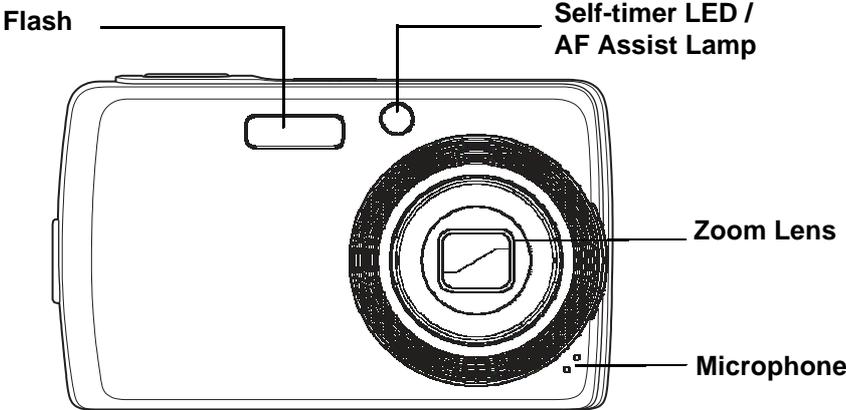
CD-ROM



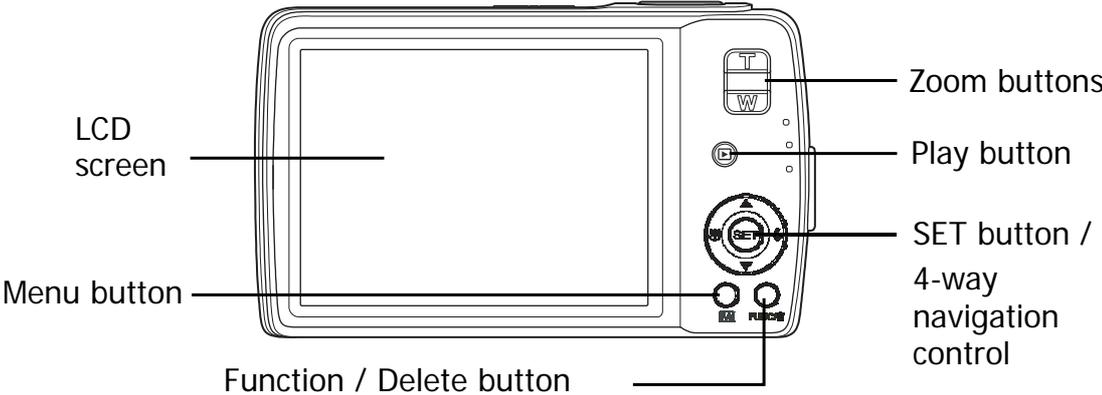
Quick Start Guide

Camera Views

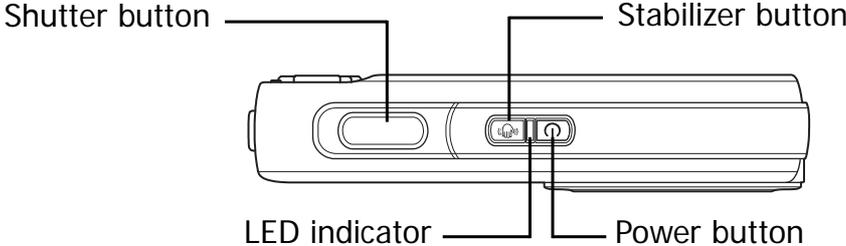
Front View



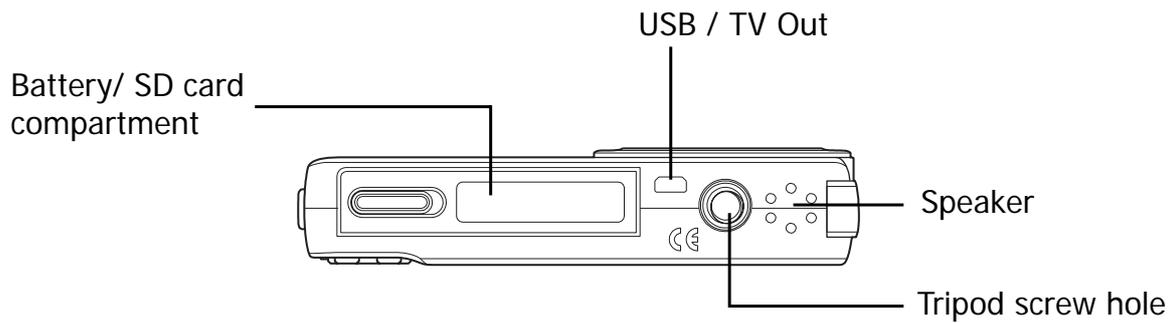
Back View



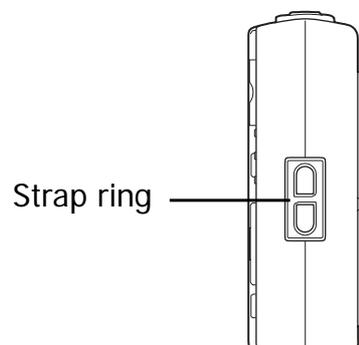
Top View



Bottom View



Left View



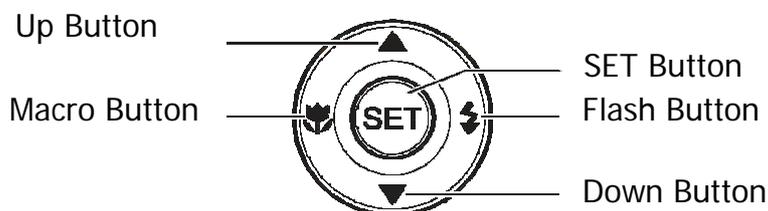
Camera Buttons

Your camera is equipped with different buttons for ease of use.

Button	Description
Power	Press to turn on/off the power.
Stabilizer	The stabilizer sets the optional ISO value according to light levels to compensate for camera shake. Press to set stabilizer on/off.
Shutter	Press to capture an image or start/stop recording video or audio clip.
Play	If the camera is turned off, press and hold for 3 seconds to turn on camera in Playback mode. If the camera is turned on, press to toggle camera to Playback or Record mode.
Zoom	Press the zoom buttons to change zoom focus.
Menu	Press to enter menu.
Function/ Delete	In Record mode, press to enter function menu. In Playback mode, press to delete an image, video or audio clip.

Navigation Control

The 4-way **Navigation Control** and the **SET** button allows you to access the various menus available from the On Screen Display (OSD). You can configure a wide range of settings to ensure maximum results from your photos and videos. Further functions of these buttons are as follows:



Button	Usage
SET	<ol style="list-style-type: none"> 1. Confirm a selection when using the OSD menus. 2. In Record and Playback mode, press to change LCD screen display to show OSD icons and guide lines. 3. In ID mode, press to print out the photo when "Auto Review" is ON.
Flash/ Right	<ol style="list-style-type: none"> 1. In Record mode, press to scroll through the flash mode options. (Auto, Anti Red-eye, Fill, Slow Sync and Off) 2. In Playback mode, press to view the next image, video or audio clip. 3. In Playback Video mode: <ul style="list-style-type: none"> • Press to fast forward video playback • Press again to continue normal playback 4. In ID mode, press to scroll through the flash mode options. (Auto, Anti Red-eye, Fill, Slow Sync, M1/4, M1/2, M3/4, Full and Off) 5. In Menu, press to enter the submenu or to navigate through the menu selections.
Macro/ Left	<ol style="list-style-type: none"> 1. In Record mode, press to turn on/off Macro. 2. In Playback mode, press to view the previous image, video or audio clip. 3. In Playback Video mode: <ul style="list-style-type: none"> • Press to re-track video playback • Press again to continue normal playback 4. In Menu, press to exit a submenu or to navigate through the menu selections.
Up	<ol style="list-style-type: none"> 1. In Menu, press to navigate through the menu and submenu selections. 2. In Playback Video/ Audio mode, press to Start/Pause video or audio playback. 3. In ID mode, press to navigate through the different formats.
Down	<ol style="list-style-type: none"> 1. In Menu, press to navigate through the menu and submenu selections. 2. In Playback Video/ Audio mode, press to Stop video or audio playback. 3. In ID mode, press to navigate through the different formats.

Notifications

Your camera gives feedback to users in two ways:

- LED Indicators
- Operation Sound

Led Indicators

Your camera is equipped with 2 LED indicators:

- Operation Lamp, located on top of your camera. See “Top View” on page 3 to locate the Operation Lamp, and
- Self-timer Lamp, located in the front of the camera. See “Front View” on page 3 to locate the Self-timer Lamp.

LED	LED Status	Camera Status
Operation Lamp	Off	Power Off .
	Green (steady)	Power On. Ready to take pictures / record / playback.
	Green (fast blinking)	Camera busy or deleting / copying images / recording / data transfer is in progress.
	Green (slow blinking)	Playing slideshow or recording voice or movie.
	Amber (steady)	Power saving (sleep mode).
	Amber (very fast blinking)	In Record mode, flash is charging or AF error. In Playback mode, self-timer countdown error.
	Amber (fast blinking)	Battery low or card error.
	Amber (slow blinking)	Error message: card locked, file / folder error, no memory card, copy / format error.
Self-timer LED	Off	Self-timer off.
	Red (fast blinking)	Self-timer countdown is set between 3 to 10 seconds.
	Red (slow blinking)	Self timer countdown is set between 0 to 3 seconds.

Operation Sound

Your camera is equipped with a buzzer for operation sound.

Buzzer	Camera Status
One beep	Denotes the start of an operation like recording and printing. Also beeps when using menu and set properties.
Two beeps	Denotes completion of an operation.
Three beeps	Denotes low battery and other warning and error message like memory full and card error.
Continuous beep	Beeps every second for countdown if self-timer is set between 3 to 10 seconds. Beeps every half second if self-timer is set between 0 to 3 seconds. Beep goes off after the countdown.
Shutter sound	The shutter is pressed to record an image.

A startup sound can be set when you power on your camera in the sound setting menu. See [“Setting Sounds” on page 53](#).

Camera Memory

Internal memory

Your camera is equipped with 32MB of internal memory. Users can store images up to 10MB. If there is no memory card inserted in the memory card slot, all images, videos and audio clips recorded are automatically stored in the internal memory.

External storage

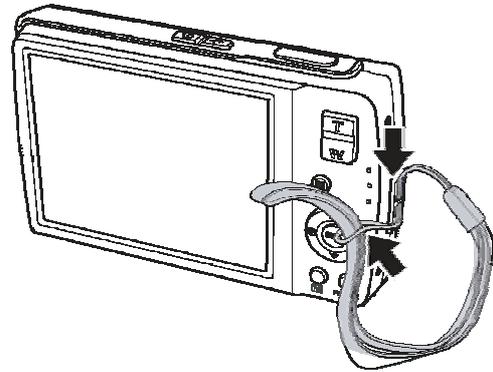
Your camera supports SD cards of up to 4GB in size. It also supports SDHC cards with a maximum capacity of 8GB. If there is a storage card inserted in the memory slot, the camera automatically saves all images, videos and audio clips in the external storage card. The  icon indicates the camera is using SD card.

Getting Started

Attaching the Wrist Strap

Follow these instructions to attach the wrist strap to your camera to facilitate easy carrying:

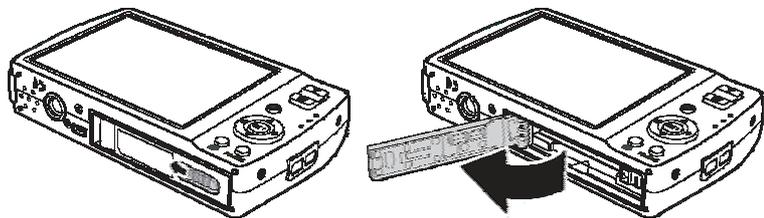
1. Insert the short loop of the strap in the strap eyelet.
2. Thread the larger loop of the strap through the short loop and pull tight to attach the strap to the camera.



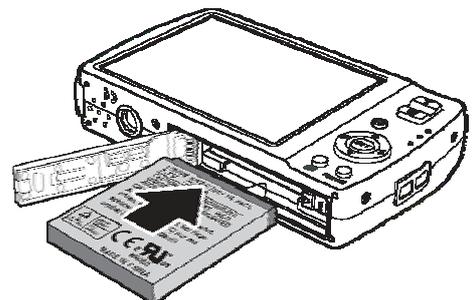
Inserting the Battery

Follow these instructions to insert the Li-ion battery into the battery compartment. Please read **"Battery Information" on page v** before inserting/removing batteries.

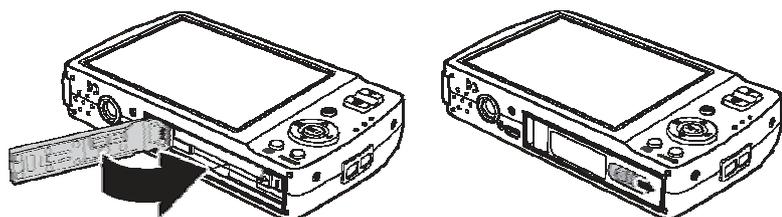
1. Make sure the power is off before inserting the batteries.
2. Open the battery compartment at the bottom of the camera.



3. Insert the battery into the compartment with the terminal facing inside the camera and the battery indent next to the compartment door.



4. Close the battery compartment.

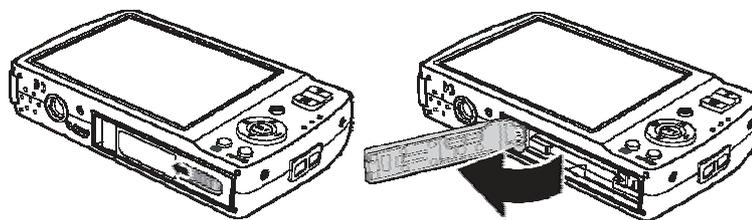


Inserting an SD/SDHC Memory Card

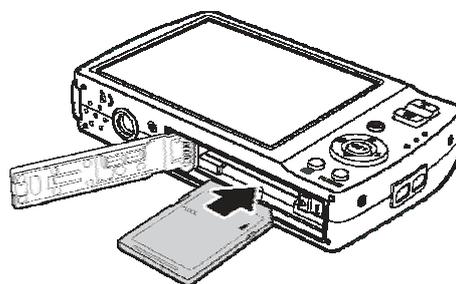
Expand your camera's storage by using SD or SDHC memory cards. Your camera supports SD cards of up to 4GB and SDHC cards of up to 8GB in size.

Follow these instructions to insert the SD/SDHC card.

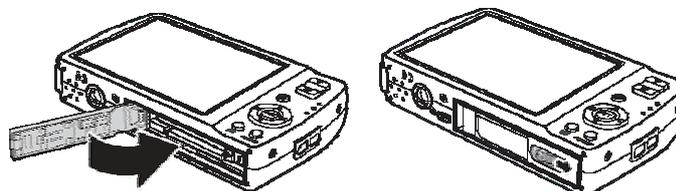
1. Open the battery compartment at the bottom of the camera.



2. Insert the SD/SDHC card into the memory card slot with the metallic part facing the front side of the camera.
3. Push the SD/SDHC card into the memory slot until it clicks into place.



4. Close the battery compartment.



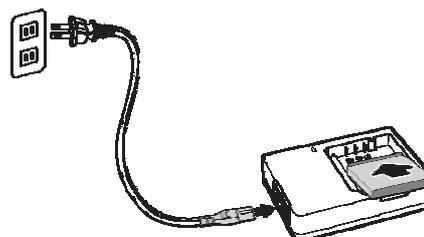
Note

To remove the SD/MMC card, gently push the card until it pops out. Pull out the card carefully.

Charging the Battery

The battery that comes along with your package is not charged. You need to charge the battery before using the camera.

1. Insert the battery into the battery charger as shown.
2. Connect the power cord to the battery charger.
3. Plug the power cord to the main outlet.



The battery charging time is 2 hours.

Battery icon  on the LCD monitor indicates the battery level. See [“LCD Monitor Layout” on page 12](#).

Turning the Power On and Off

There are two ways to turn on the camera:

- **Press and hold the Power button for 0.3 seconds.** The start up image displays briefly and the startup sound plays if enabled. The zoom lens extends and the camera is turned on in Record mode.
- **Press and hold the Play button for 0.3 seconds.** The camera is turned on in Playback mode. The zoom lens are not extended.

To turn off the camera, press the Power button.

See [“Modes” on page 11](#) to know more about Record and Playback mode.

Initial Settings

When you turn on your camera for the first time, you will be asked to do the initial settings of your camera.

When you turn the Power button on, the Language Menu is displayed on the LCD screen for you to setup the display language.

Setting the Language

1. Press , ,  or  to move through the selection.
2. Select a language, then press SET to apply.

Setting the Date & Time

1. Press  or  to move through the selection.
2. Press  or  keys to change the value for the date and time.
3. Press SET to apply.
4. If necessary, press  to close the menu.

Now, you are ready to start taking photos and videos.



- Holding down the  or  changes the values continuously.
- If the batteries are removed for more than 48 hours, the Date & Time will have to be re-set.

Modes

Your camera has two modes:

Record mode

- Set to Record mode to capture images and record videos and audio clips.
- Record mode can be further set to mode options like auto, movie and scene selection modes. See "[Selecting the Record mode options](#)" below.

Playback mode

- Set your camera to Playback mode to view and edit captured images and playback videos and audio clips. You can also attach voice memo to images in this mode.

When you turn on your camera using the Power button, you are automatically turned on Record mode.

Switching between Record mode and Playback Mode

In Record mode, press the **Play** button to switch to Playback mode.

In Playback mode, press the **Play** button to back to Record mode.

Selecting the Record mode options

Maximize the quality and ease of use of your camera by using the different mode options. The mode options allow you to capture images with preset settings according to scene conditions.

1. Set the camera to Record mode.
2. Press  to launch Record Mode Menu.
3. Press  to enter Record Mode submenu.
4. Select a mode.
5. Press the **SET** button to apply selected mode.



For more information, see "[Using the Record Menu](#)" on page 27.
Use the 4-way navigation control to move through the menu selections.

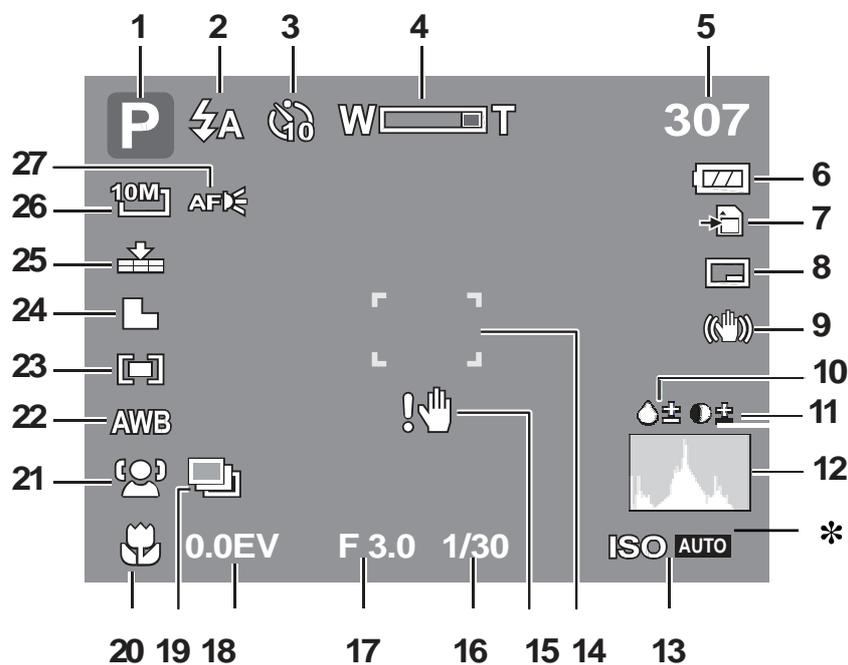
Using the LCD Monitor

The high resolution 3" LCD monitor shows all important information regarding camera settings as well as the visual image of your photo or video. The display on the LCD monitor is called the On Screen Display or OSD.

LCD Monitor Layout

The following illustrations show the LCD monitor layout and icon descriptions.

Record Mode Screen Layout



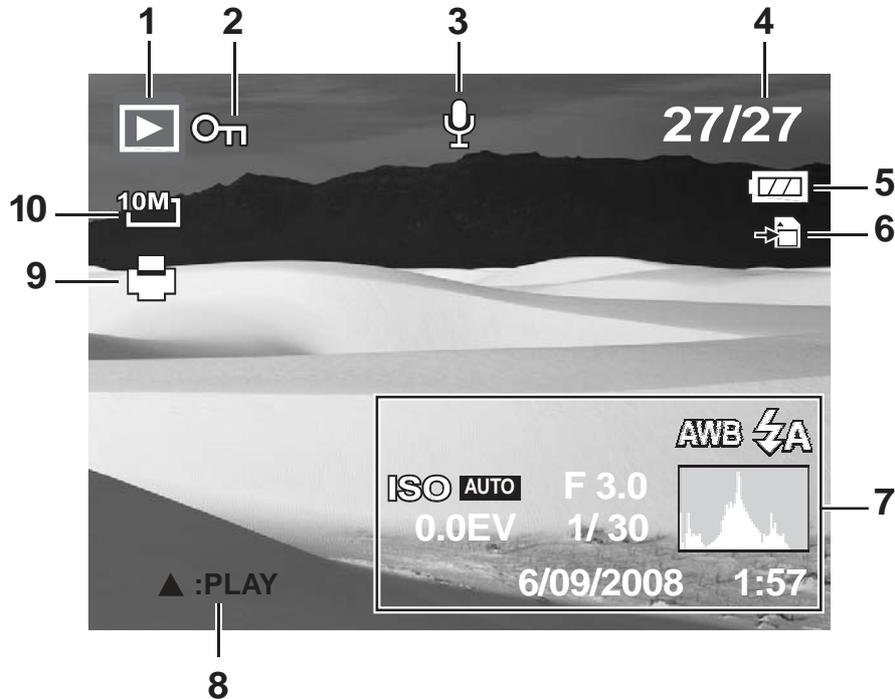
Item	Description	
1	Record Mode	Indicates the current mode.
2	Flash	Indicates flash settings.
3	Self-timer / Burst	Indicates drive mode settings.
4	Zoom indicator	Displays zoom.
5	Shots remaining	Indicates the remaining shots available.
6	Battery	Indicates battery level.
7	Storage media	Indicates current storage media in use.
8	Date stamp	Indicates date stamp is enabled.
9	Stabilizer	Indicates stabilizer function is enabled.

No.	Item	Description
10	Saturation	Displays saturation settings.
11	Contrast	Displays contrast settings.
12	Histogram	Graphic display of ISO settings.
13	ISO	Displays ISO settings.
14	Focus area	Use to frame subject to capture.
15	Shake warning	Indicates that the camera is shaking.
16	Shutter speed	Displays shutter speed settings.
17	Aperture value	Displays aperture settings.
18	Exposure	Displays exposure settings.
19	AEB	Displays AEB settings.
20	Macro	Indicates macro is enabled.
21	Face tracking	Indicates face tracking is enabled.
22	White balance	Displays white balance settings.
23	Metering	Displays metering settings.
24	Sharpness	Displays sharpness settings.
25	Quality	Displays quality settings.
26	Resolution	Displays resolution settings.
27	AF lamp	Displays AF lamp is enabled.
*	ID format	Displays the "CURRENT" ID format in use.

Playback Mode Screen Layout

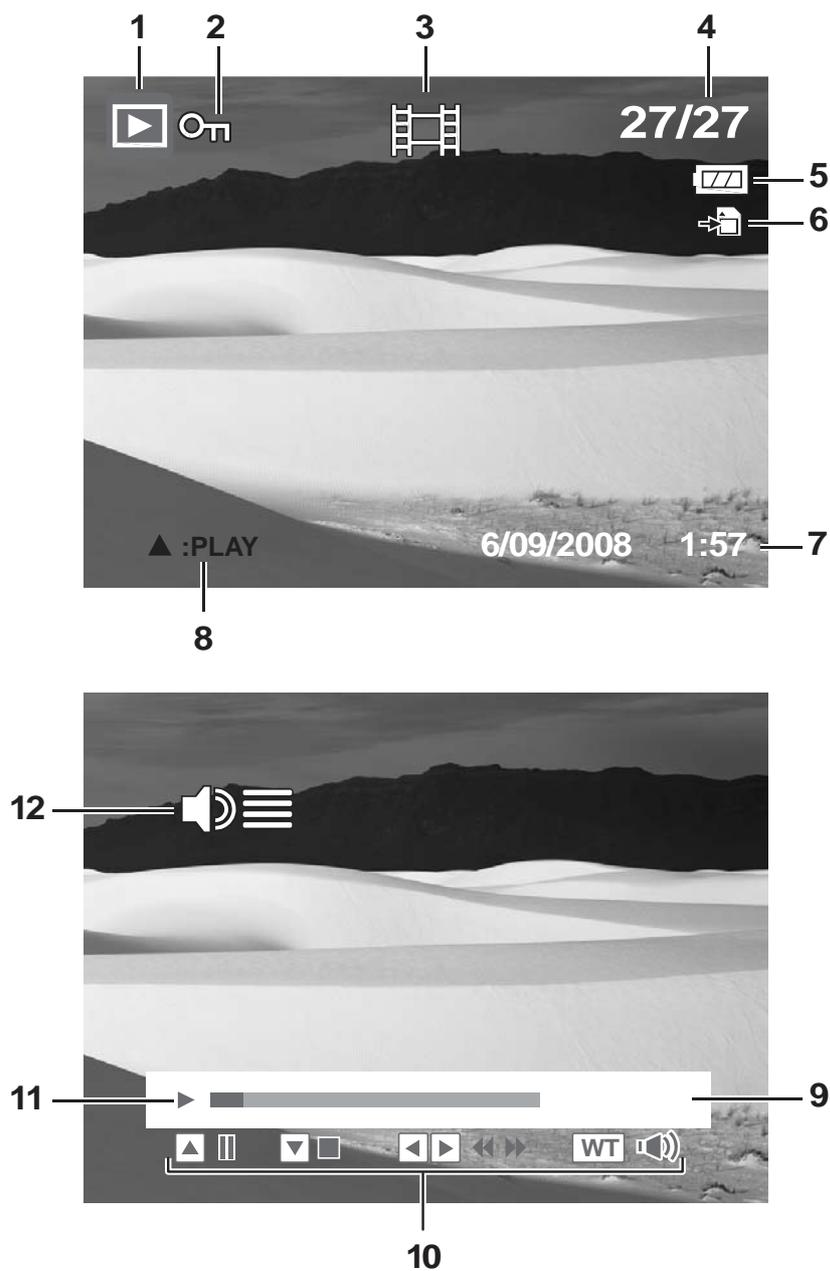
The Playback mode display varies depending on the type of image being viewed.

Playback mode display of still images:



No.	Item	Description
1	Playback mode	Indicates playback mode.
2	Protect	Indicates file is protected.
3	Voice memo	Indicates voice memo is attached.
4	File no. / Total no.	Indicates the file number over the total number of files in the storage card.
5	Battery	Indicates battery level.
6	Storage media	Indicates used storage memory.
7	Recording information	Displays recording information of the file.
8	Button intro	Indicates the button to press on the camera to play a movie or audio file.
9	DPOF	Indicates the file is marked for printing.
10	Resolution	Displays the resolution settings.

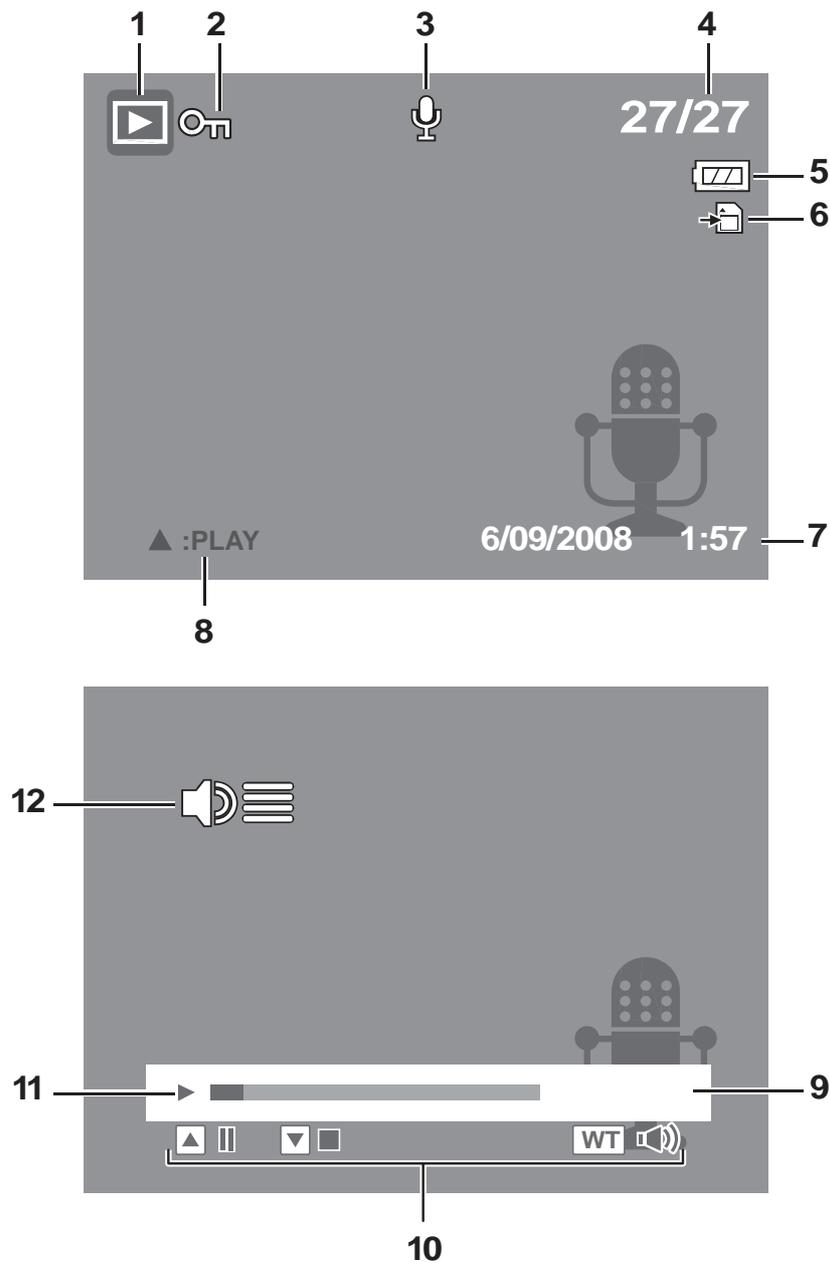
Playback mode of videos:



No.	Item	Description
1	Playback mode	Indicates playback mode.
2	Protect	
3	Movie clip	Indicates the file is a movie.
4	File no. / Total no.	Indicates the file number over the total number of files in the storage card.
5	Battery	Indicates battery level.
6	Storage media	Indicates used storage memory.

No.	Item	Description
7	Recording information	Displays recording information of the file.
8	Button intro	Indicates the button to press on the camera to play a movie or audio file.
9	Played time	Indicates played time.
10	Key indicator	Indicates the buttons to press on the camera to apply the functions.
11	Playing status	Displays playing status.

Playback mode of audio clips:



No.	Item	Description
1	Playback mode	Indicates playback mode.
2	Protect	Indicates the file is protected.
3	Voice memo	Indicates the file is an audio file.
4	File no. / Total no.	Indicates the file number over the total number of files in the storage card.
5	Battery	Indicates battery level.
6	Storage media	Indicates used storage memory.

No.	Item	Description
7	Recording information	Displays recording information of the file.
8	Button intro	Indicates the button to press on the camera to play a movie or audio file.
9	Played time	Indicates played time.
10	Key indicator	Indicates the buttons to press on the camera to apply the functions.
11	Playing status	Displays playing status.
12	Volume	Indicates volume settings.

Changing the LCD Monitor Display

The type of information displayed on the LCD screen can be changed using the **SET** button.

Press the **SET** button repeatedly to change the LCD display from one type to another.

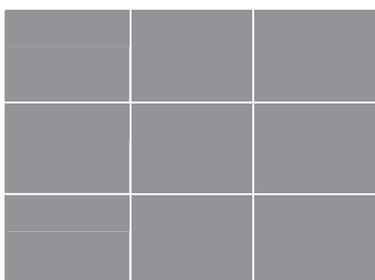
In Record Mode, the LCD display can be changed into any of the following:



OSD on



Full OSD on



Guide lines on



OSD off



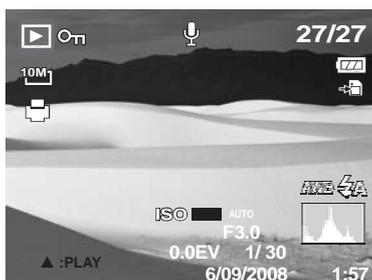
Note

- The OSD information may vary depending on the record mode type.
- Use the “Guide lines” to properly set image for capture.

In Playback mode, the LCD display can be changed into any of the following:



OSD on



Full OSD on



OSD off



Note

LCD display cannot be changed in the following situations:

- Manual exposure mode
- Recording movie or audio clips
- Playing movie or audio clips
- Playing slideshow

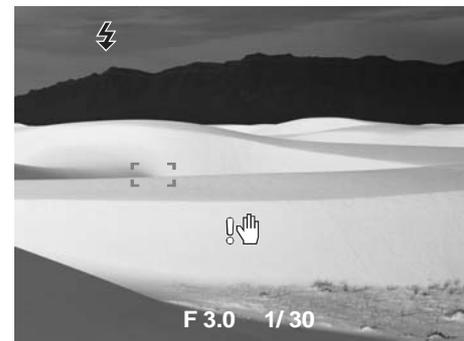
Recording Photos, Videos and Voices

Taking Photos

Now that you are familiar with your camera, you are now ready to take your photos.

Taking photos with your camera is very simple.

1. Turn on the camera by pressing the Power button. By doing this, your camera is also set to Record mode.
2. Frame the shot using the focus bracket on the LCD monitor. See illustration on the right.
3. Half press the **Shutter** button. The camera automatically adjusts the focus and exposure. When the camera is ready to take the photo, the frame bracket turns green, the shutter speed and aperture value are displayed.
4. Fully press the **Shutter** button to capture image.



When the shake warning icon  appears, hold the camera steadily, with your arms at your side or use a tripod to stabilize the camera to prevent blurred images.

Taking ID/Passport Photos

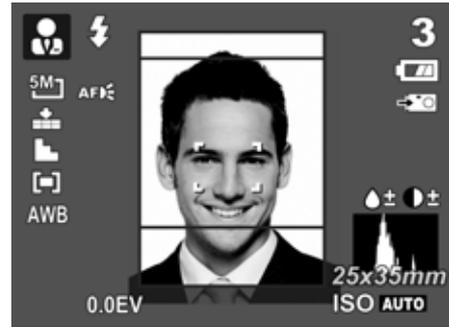
C100-ID has built-in ID formats, simplify your ID/Passport photographing. To get your first ID/Passport photos, just follow the steps below.

1. Enter the record mode menu and switch to "ID mode".



Chapter 4: Recording Photos, Videos and Voices

2. Use the navigation control (▲ or ▼) to choose the format you need, which is shown on the right of the bracket.
3. Taking aim to the target the image to the bracket shown on the LCD monitor. See illustration on the right. Half press the Shutter button. The camera automatically adjusts the focus and exposure.
4. Fully press the Shutter button to capture image.
5. Press SET to print out this photo or press the Shutter button to take another ID photo.



You can take full paper size photos in ID mode (for “one-click” full size photo), select the “paper size” format and adjust the image to the bracket on the screen. The printout will be the image in the bracket.



In ID mode, the ISO / focus / shutter speed values are fixed as 100 , F3.1 , 1/60 ; and the resolution is fixed as 5M ; manual exposure control is applied in ID mode (M 1/4, M 1/2, M 3/4 , and Full).



For **“One-click printing” (printing photo without preview)** function, please switch off “auto review” in setup menu. Photo will automatically be printed after taken. The camera lens will be closed up while printing.



To switch on/off the “Auto Review”, please refer to the **“Setting Auto Review”** section at page 42.



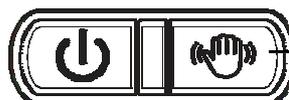
Enable **“LinkPrint”** function in printer setting menu by printer controller, and be sure to remove memory cards before operating **“One-click printing”** function. Please follow your printer instruction for this.



You can get automatic ID photo layout only when printing with certain HiTi photo printers. For detail, please see HiTi website www.hiti.com.

Using the Stabilizer

The Stabilizer function prevents blurred images caused by shaking. This function is only available if ISO is set to Auto. See **“ISO” on page 25** on how to adjust the ISO settings.

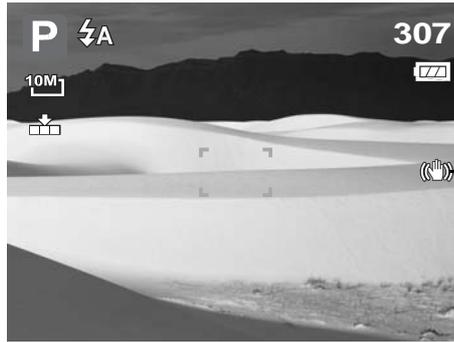


Stabilizer button

To activate Stabilizer

- Press the Stabilizer button on top of your camera to enable/disable stabilizer.

If Stabilizer is enabled, the stabilizer icon is displayed on the LCD monitor.

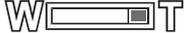


Stabilizer on.

Setting the Zoom Control

Your camera features up to 3x optical zoom and up to 5x of digital zoom. Optical zoom is achieved by mechanically adjusting the lens. While digital zoom is activated through the menu settings. Please refer to ***** on how to setup digital zoom.

To adjust the optical zoom:

1. Press the **Zoom** buttons to zoom in or zoom out an image.
2. The zoom indicator appears on the LCD monitor. 



Press to zoom in.

Press to zoom out.

Zoom buttons

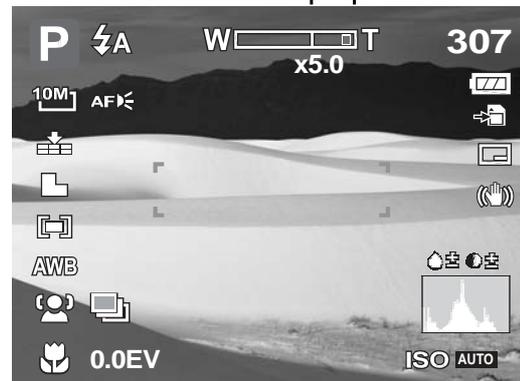
To adjust the digital zoom:

1. Activate digital zoom. See [“Setting the Digital Zoom” on page 33](#).
2. Press the **T** button to optically zoom in to the maximum until it stops.
3. Release the button.
4. Press the **T** button again to switch to digital zoom automatically. Zooming

continues. 
Optical zoom



Digital zoom



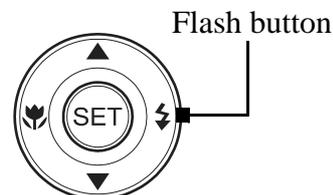
Digital zoom is not activated in recording movies.

Using Flash

When taking pictures in difficult lighting conditions, use the Flash to get correct exposure. This function cannot be activated in recording movies or continuous shooting.

To activate Flash:

- Press the **Flash/Right** button on your camera repeatedly until your desired flash mode is displayed on the LCD monitor.



Your camera is equipped with five flash modes:

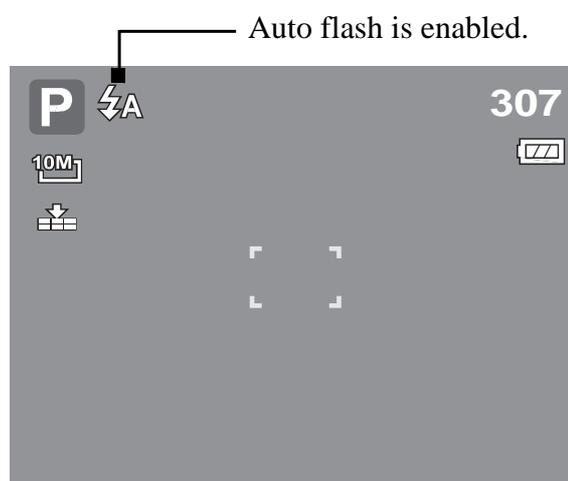
⚡A Auto flash. The flash fires automatically whenever extra lighting is needed.

⚡👁 Red-eye reduction. The flash fires twice to reduce the red-eye effect.

⚡ Forced on. The flash fires whenever you press the shutter button regardless of lighting conditions.

⚡SL Slow sync. The flash fires with a slow shutter speed.

⚡ Forced off. The flash is turned off.



In ID mode, you can select among nine flash modes, the 4 added single flash modes are listed as below: Users are allowed to adjust the flash mode on the basis of environment.

⚡ $\frac{1}{4}$ 1/4 flash. The flash fires only once with 25% of full flash power.

⚡ $\frac{1}{2}$ 1/2 flash. The flash fires only once with 50% of full flash power.

⚡ $\frac{75}{100}$ 3/4 flash. The flash fires only once with 75% of full flash power.

⚡ $\frac{3}{4}$ Full flash. The flash fires only once with full flash power.

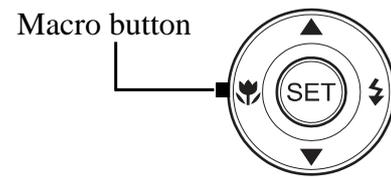
Using Macro

Macro mode is designed for close-up photography. If Macro is enabled, you can capture the detail and sharpness of a very close image by fixed focus.

To activate macro:

- Press the **Macro/Left** button of your camera to enable/disable macro.

If macro is enabled, the macro icon is displayed on the LCD monitor.



macro enabled

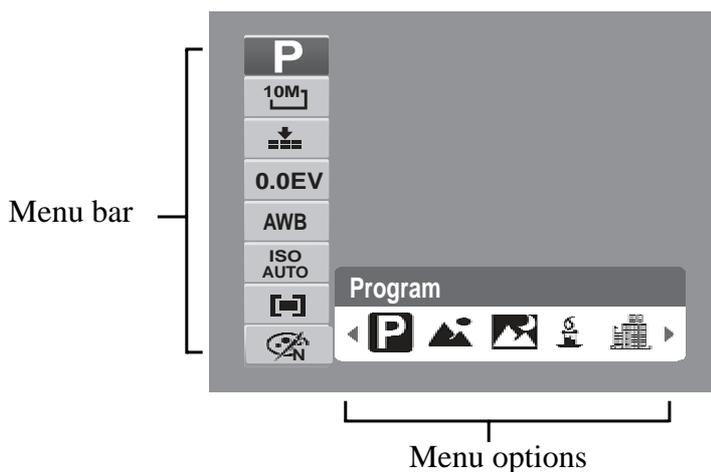
Using the Function Menu

The **Function Menu** is used to adjust capture settings in Record Mode. It contains My Mode, Resolution, Quality, EV Compensation, White Balance, ISO, Metering, and Color Mode.

- Press the **FUNC** button of your camera to launch the Function Menu.
- Press the **FUNC** button again to close the menu.

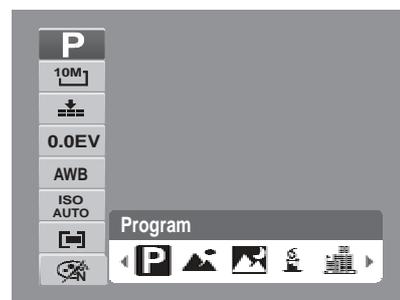
FUNC/

- The Menu bar displays the current status of your camera settings. Only the available functions for the settings are shown as icon on the menu bar.
- The available options for each item on the menu bar are shown in the Menu options.
- Use the ◀ or ▶ to move through the menu selections then press the **SET** button to save and apply changes.



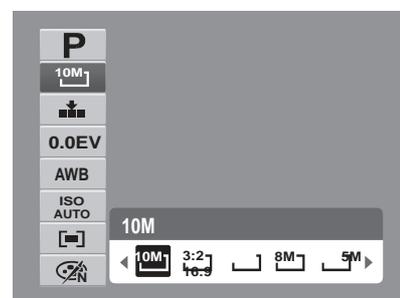
My Mode

The My Mode function displays the 6 most recent modes used in order. When you move through the different modes in the menu options, the items on the menu bar changes synchronously to the corresponding available settings.



Resolution

The Resolution function is used to set the resolution before you capture the image. Changing the resolution affects the number of images that can be stored in your memory card. The higher the resolution, the more memory space is required.



The table below shows the resolution values for still images.

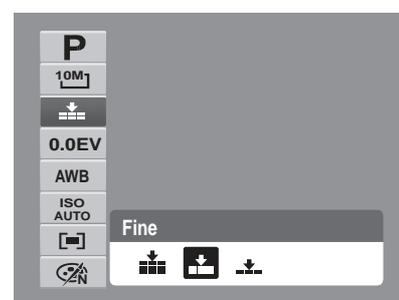
Icon	Pixel Size	Print Size Suggestion
	3648 x 2736	A2 Size
3:2	3648 x 2432	A2 Size
	3648 x 2048	HDTV
8M	3264 x 2448	A3 Size

Icon	Pixel Size	Print Size Suggestion
	2592 x 1944	A4 Size
3M	2048 x 1536	4" x 6"
	1920 x 1080	HDTV
	640 x 480	E-mail

Quality

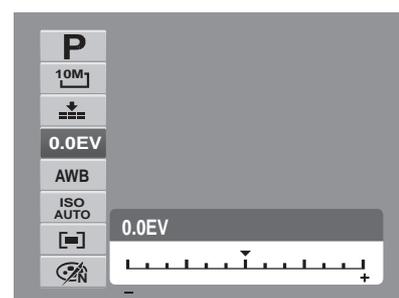
The Quality function lets you adjust the quality settings of your photos before you capture them. The quality determines the amount of compression applied to your photos. More compression results in a more detailed image. However, the higher the quality, the more memory space is required in your memory card. The available settings for still images are

as follows:  Super fine,  Fine, and  Normal.



EV Compensation

EV stands for Exposure Value. In difficult lighting condition, the auto exposure function of your camera may be misled into giving the wrong readings. The EV Compensation function allows you to adjust the exposure value and correctly expose your images. Available for still images only.

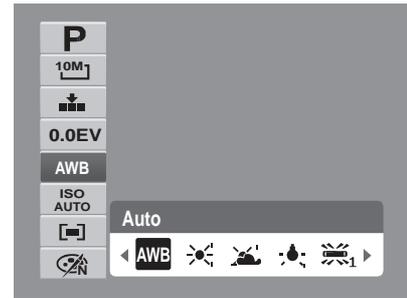


- To adjust EV settings, press the ◀ or ▶ keys to increase/ decrease the value. As you adjust the settings, the LCD monitor synchronously displays the image applying the EV settings. Press the **SET** button to save and apply changes.
- The available settings are: 0EV, +2.0EV, +1.7EV, +1.3EV, +1.0EV, and +0.3EV.

White Balance

The White Balance function allows you to adjust the camera setting according to the white light when recording still images and movies.

- As you move through the selection, you can see the preview on the LCD monitor synchronously.

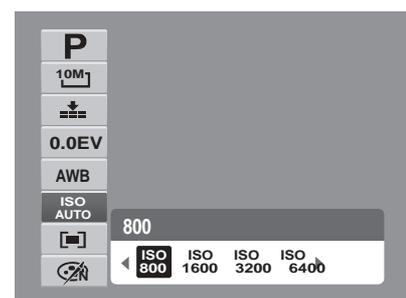


Icon	Item	Description
AWB	Auto	The camera automatically adjusts the white balance.
	Daylight	Ideally used for bright sunny conditions.
	Cloudy	Ideally used for cloudy conditions.
	Tungsten	Ideally used for indoor photos with tungsten or halogen lighting without a flash.
	Flourescent 1	Ideally used for indoor photos with flourescent lighting conditions.
	Flourescent 2	Ideally used for indoor photos with flourescent lighting conditions.
	Custom	Used when light source cannot be specified.

ISO

The ISO function lets you adjust the ISO sensitivity in recording still images depending on the lightning levels of your surroundings.

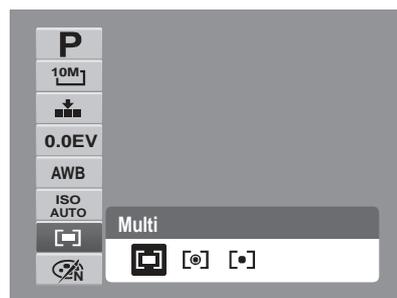
- Use a higher ISO setting in dim conditions and a lower ISO setting in brighter conditions.
- As you move through the selections, the preview on the LCD monitor changes synchronously.
- Available settings are: Auto, 50, 100, 200, 400, 800, 1600, and 3200.



Metering

The Metering function lets you select the area of the subject or frame by which the camera measures light to record still images or movies.

- As you move through the selection, the preview on the LCD monitor changes synchronously.

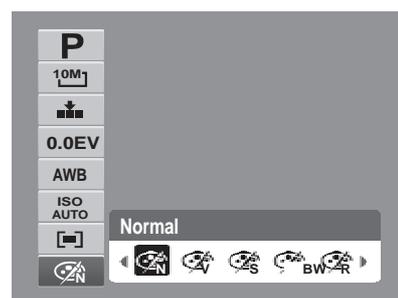


Icon	Item	Description
	Multi	The camera measures the exposure readings from multiple points in the subject area.
	Center	The camera measures the average light from the entire frame but gives more importance to the values near the center.
	Spot	The camera selects the exposure value based on the center of your picture.

Color Mode

The Color Mode function lets you record still images or movies and apply different colors or tones for a more artistic effect.

- As you move through the selection, the preview on the LCD monitor changes synchronously.



Icon	Item	Description
	Normal	The camera records normally.
	Vivid	The camera captures the image with more contrast and saturation emphasizing on the bold colors.
	Sepia	Images are captured in sepia tones.
	B&W	Images are captured in black and white.
	Vivid Red	Captured image becomes reddish. Ideally used to record images like flowers and cars to make them more vivid.

Icon	Item	Description
	Vivid Green	Captured image becomes greenish. Ideally used to record images like mountains and lawns to make them more vivid.
	Vivid Blue	Captured image becomes bluish. Ideally used to record images like the sky and the ocean, to make them look more vivid.

Using the Record Menu



If you are in Record mode, you can access the Record menu simply by pressing the **MENU** button on your camera.

When the menu is displayed, use the 4-way navigation control and the **SET** button to move through menu selections and apply your desired settings. To close the menu anytime, press the menu button again.

Record Menu

The Record menu allows you to change modes, and setup other capture settings.

To go to Record Menu:

1. Set the camera to Record mode. See [“Switching between Record mode and Playback Mode” on page 11](#).
2. Press  to launch the Record Menu.
3. Use the  or  keys to move through the menu selections.
4. To select an item, press .
5. Change the submenu settings using the 4-way navigation control.
6. Press the **SET** button to save and apply settings.



Setting the Scene Mode

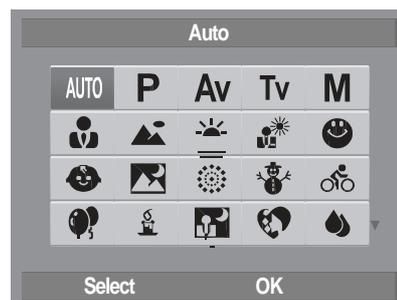
Setting the Scene mode allows you to capture images with preset settings according to the scenes or environment.

1. From the Record Menu, press  to select Record Mode.



2. Use the navigation controls to move through the selection.
3. Press the **SET** button to save and apply changes.

The table below shows the available scene mode settings.



Icon	Item	Description
	Auto	The simplest way to shoot basic images. Settings are adjusted automatically.
	Program	The camera automatically adjusts suitable shooting settings like shutter speed and aperture values.
	Aperture Priority	The camera automatically adjusts an aperture value to match the brightness.
	Shutter Priority	The camera automatically adjusts the shutter speed to match the brightness.
	Manual Exposure	This feature lets users to adjust the shutter speed and aperture value to correctly expose your images.
	ID mode	This mode is used to take ID/passport photos. Pictures taken in ID mode will be automatically saved as the chosen ID formats. See “Taking ID/Passport photos” on page 20 for more information.
	Landscape	This feature is used to emphasize wide scenic views.
	Sunset	This feature enhances the red hue for recording sunset images.
	Backlight	This feature is used to capture the image of a backlight object by changing the metering.
	Smile Capture	This feature uses face tracking to auto detect faces to capture. When faces are detected, it takes six continuous shots.
	Kids	This feature is used to capture still images of moving kids.
	Night Scene	This feature is used to capture images with night scenery background.
	Fireworks	This feature slows shutter speed to capture fireworks explosions.

Icon	Item	Description
	Snow	This feature is used for beach and snow scenes.
	Sports	This feature captures still images in high speed motions.
	Party	This feature is used for wedding or indoor party settings.
	Candlelight	This feature is used to capture warm candle light effects.
	Night Portrait	This feature is used to capture portrait pictures with night or dark background.
	Soft Skin	This feature enhances skin tone thus facial skin appears smooth.
	Soft Flowing Water	This feature enhances smooth effects like water or silk.
	Food	This feature is used to capture food images. The increased saturation in this mode makes the captured image more enticing.
	Building	This feature enhances the edges of captured images.
	Text	This feature enhances the black and white contrast normally used when capturing text images.
	Auction	Pictures taken in Auction mode are automatically saved under a specific folder named “_AUCT”. See “Folder Structure” on page 59 for more information.
	Movie	This mode is used to record movie clips.
	Voice REC	This mode is used to record audio clips.

After selecting the scene mode, the selected mode, except Voice Rec, will be added to the forefront in MyMode of Function Menu. See [“Using the Function Menu” on page 23](#).

Setting the Drive Mode

Your camera features a Self-timer and Burst which can be set in the Drive mode function in the Record Menu. The Self-timer allows you to take photos after a pre-defined delay. While burst lets you take consecutive shots. This function is only available in recording still images. The Drive mode setting is automatically set to off when you turn off the camera.

To set the Drive Mode

1. From the Record menu, select Drive Mode.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

The table below shows the available Drive mode settings.



Icon	Item	Description
	10 Sec Self-timer	Sets a 10-second delay to capture image after pressing the shutter button.
	2 Sec Self-timer	Sets a 2-second delay to capture image after pressing the shutter button.
	Double Self-timer	Performs delay and capture twice: <ul style="list-style-type: none"> • Performs a 10-second delay, then captures the image. • Performs another 2-second delay then captures the image again.
	Burst	Performs continuous shooting when the shutter button is pressed. Stops shooting when the shutter button is released.
	Off	Captures an image without time delay.

Setting the AEB

AEB stands for Automatic Exposure Bracketing. This feature captures the same image with 3 different exposure settings.

- The settings are recorded in the following order: standard exposure, under exposure, and over exposure.
- Available settings are: [On] and [Off].

To set AEB

1. From the Record menu, select AEB.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

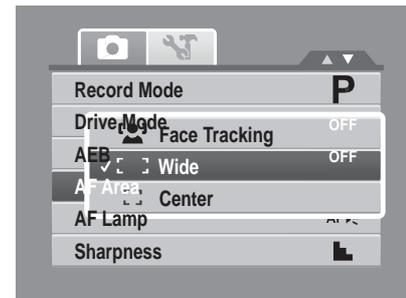


Setting the AF Area

AF stands for Automatic Focus. This feature determines the area on which the camera focuses.

To set AF Area

1. From the Record menu, select AF Area.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.



The table below shows the available AF area settings.

Icon	Item	Description
	Face Tracking	The camera automatically detects the position of a face and sets the focus.
	Wide	The camera automatically selects focus area within the wide frame.
	Center	The focus area is fixed on the center.

Setting the AF Lamp

The AF Lamp function allows you to record images even in low light conditions.

If AF Lamp is set to Auto, the AF lamp located in the front of the camera, see **“Front View” on page 3**, emits a red light by half pressing the shutter button allowing the camera to focus easily. Available settings are: [Auto] and [Off].

To set AF Lamp

1. From the Record menu, select AF Lamp.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

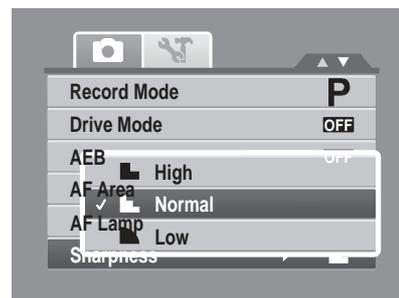


Setting Sharpness

This function allows you to enhance or soften finer details of your photos.

To set Sharpness

1. From the Record men, select Sharpness.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.



The table below shows the available Sharpness settings.

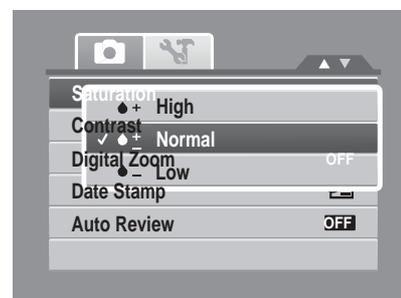
Icon	Item	Description
	High	Sharpens the image.
	Normal	Normal sharpness.
	Low	Softens the image.

Setting Saturation

The Saturation function lets you adjust the color saturation in your photos. Use a higher saturation setting for rich colors and a lower saturation setting for more natural tones.

To set Saturation

1. From the Record men, select Saturation.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.



The table below shows the available Saturation settings.

Icon	Item	Description
	High	Enhances saturation.
	Normal	Normal saturation is applied.
	Low	Reduces saturation.

Setting Contrast

This function allows you to adjust the contrast of your photos.

To set Contrast

1. From the Record men, select Contrast.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

The table below shows the available Contrast settings.



Icon	Item	Description
●+	High	Enhances the contrast.
●±	Normal	Normal contrast.
●-	Low	Reduces the contrast.

Setting the Digital Zoom

This feature controls the digital zoom mode of your camera.

Your camera enlarges an image using the optical zoom first. When the zoom scale exceeds 5x, the camera uses digital zoom.

To set Digital Zoom

1. From the Record men, select Digital Zoom.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

The table below shows the available Digital Zoom settings.



Icon	Item	Description
Int.	Intelligent Zoom	Enlarges the image digitally with almost no distortion.
Std.	Standard Zoom	Enlarges all image sizes up to a maximum of 12x, but the image quality deteriorates.
OFF	Off	Uses the optical zoom only.



The maximum Intellect zoom scale varies depending on the image type and resolution.

Setting the Date Stamp

The Date Stamp function allows you to add the recorded date and time on your photos.

The recording date and time are based on your camera's clock settings. Once date and time are stamped on a photo, they can no longer be edited or deleted.

Limitations of Date Stamp functions are as follows:

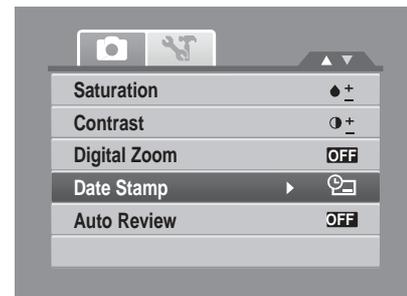
- Available for still images only.
- May slowdown AEB/ continuous shooting when Date Stamp is enabled in /AEB/ Burst mode.
- If Date Stamp is enabled, digital zoom is automatically turned off.
- In vertical or rotated images, the date and time on your photos still appear horizontally.

To set Date Stamp

1. From the Record menu, select Date Stamp.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.

Available settings are as follows:

-  Date
-  Date & Time
- **OFF** Off



Setting Auto Review

The Auto Review function lets you view the captured image right after shooting it.

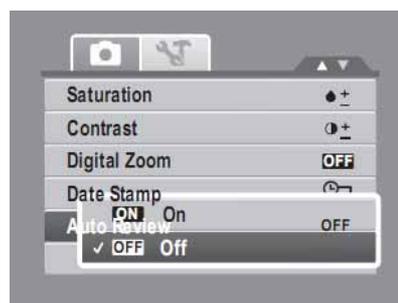
If Auto review is On, the camera will display the captured image for 1 second on the LCD monitor.

Available settings are: On, Off.



To set Auto Review

1. From the Record menu, select Auto Review.
2. Use the ▲ or ▼ keys to go through the selection.
3. Press the **SET** button to save and apply changes.



- In the ID mode, the Auto Review function allows you to preview the captured image before printing.
- For “one-click printing function”(printing photo without preview), please switch off “auto review” in the setup menu.

Recording Movies

1. From the Record mode menu, select **Movie**.
2. Focus your camera on the subject that you want to take.
3. Press the Shutter button to start recording.
4. Use the  control to zoom in and zoom out an image.
5. To pause recording, press the ▲ key.
6. To continue recording, press the ▲ key again.
7. To stop recording, press the **Shutter** button.

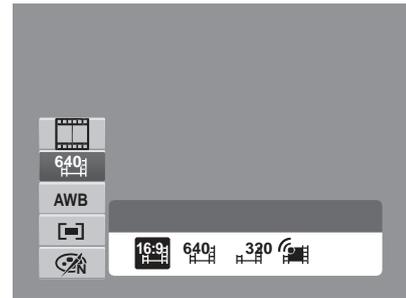


- Sound cannot be recorded while pressing the  control.
- Digital zoom is not available in movie recording.
- The camera will automatically stop recording when the memory capacity is full.

Setting the Movie Size

The Movie Size function icon appears only in Movie Mode. Use this function to adjust the resolution and quality of movie clips.

The table below shows the available size and corresponding image quality settings.



Icon	Frame Size	Image Quality
	848 X 480	HDTV
	640 X 480	High Quality
	320 x 240	Normal
	640 x 480	For YouTube

To set other movie mode settings, please refer to [“Using the Function Menu” on page 24](#).

YouTube Mode

The YouTube Mode allows you to record movies with predefined video settings for easy upload to the YouTube website.

YouTube supports two file upload standards:

- Single File Uploader. The maximum movie file size is up to 100 MB.
- YouTube Uploader. The maximum movie file size is up to 1 GB.

Most uploaded movie length ranges within 5 minutes, although you can upload a maximum movie length of 10 minutes.

Therefore when you record using the YouTube mode, the following standards are followed:

- Recorded movies are set to YouTube standard resolution of 640 X 480.
- Recording automatically stops when the file reaches 100 MB.

Recorded movies in the YouTube mode are stored following the DCF rule, however movies are saved in a specific folder named “_UTUBE”. For more details, please refer to [“Folder Structure” on page 59](#).

- To record a YouTube movie, select  from the Movie Size function.

Available recording time for a YouTube movie is up to 10 minutes.

Recording Voices

1. From the Record mode menu, select **Voice**.
The Voice Recording screen layout is displayed on the LCD monitor.
2. Press the **Shutter** button to start recording.
3. Press the **Shutter** button again to stop recording.



Note Voice recording will automatically stop when the maximum memory capacity is full.

Playback

View images, videos and audio clips through your camera's Playback mode.

Viewing in Single Navigation

The Single navigation mode displays the image one by one on the LCD monitor. To view images/videos/audio clips, follow the steps below.

1. Press the **Play**  button to set or turn on the camera to Playback mode.
2. The LCD monitor displays an image. To understand the icons and other information on the screen, please see **"Playback Mode Screen Layout" on page 14**.



3. Use the ◀ or ▶ keys to view next/previous image/video/audio.
4. To play a movie or audio clip, press the ▲ key. See **"Playing Movies" on page 39** and **"Playing Voice Recording" on page 40** for more details.

Viewing thumbnails

1. Press the **W** button to view 9-image thumbnails.
2. Use the navigation buttons to move through the items.
3. Press the **SET** button to select the image and view it normally.

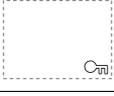


Thumbnail view

— **Scroll bar.** If scroll bars appear, it indicates that the screen can be scrolled.

Thumbnail icons

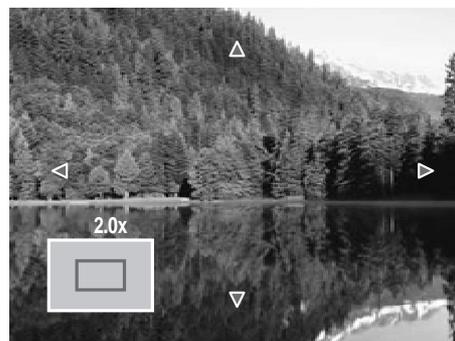
When you view the thumbnails, some images may contain icons. These icons indicate the type of file or recording.

Icons	Type	Description
	Voice Memo	Indicates that a voice memo is attached to the image.
	Movie	Indicates a recorded movie. The image displayed is the first frame of the movie clip.
	Locked File	Indicates that the image has been locked. Locked files cannot be edited or deleted.
	Voice Record	Indicates a voice recording file.
	File Error	Indicates an error file.

Zooming images

The zoom view function works with still images only.

- In normal view, press the **T** button repeatedly until the desired zoom view.
- The 4 arrows on the LCD monitor indicate that the image is zoomed in.
- You can zoom view an image of up to 12X.
- Press the **SET** button to close zoom view.



Playing Movies



1. Set the camera to Playback mode.
2. Use the navigation controls to scroll through the saved images. A movie clip has a movie icon displayed on screen. See picture on the left.
3. Press the **▲** key to play the movie.

4. During playback, press the ◀ or ▶ keys to fast forward or rewind the movie.
5. During playback, use the  to control volume. Press the **T** button to increase volume. Press the **W** button to decrease volume.
6. Press the ▲ key to pause playback. Press the ▲ key again to resume.
7. Press the ▼ key to stop the playback. The LCD monitor displays the movie frame image in Single navigation mode.



To capture screenshot image from a movie clip

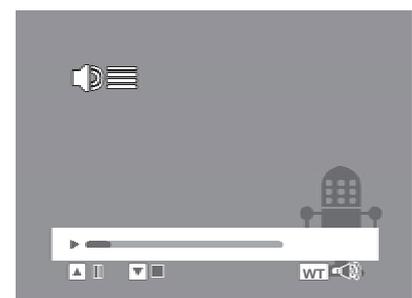
1. During playback of movie, press the ▲ key to pause playback on your desired movie frame to capture.
2. Press the **Shutter** button to capture screenshot.
3. The camera will automatically stop playback. The LCD monitor displays the captured image in Single navigation mode.



Note This feature does not function when memory card is full or the folder cannot be created. The **SHUTTER**  icon does not appear on screen either.

Playing Voice Recording

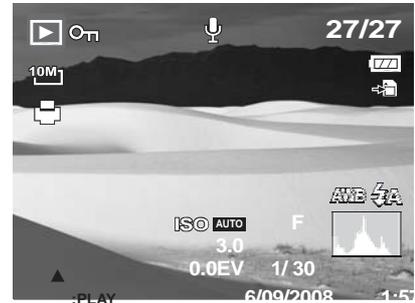
1. Set the camera to Playback mode.
2. Use the navigation controls to scroll through the saved images. When viewing a voice recording file, the LCD monitor displays the screen layout of Audio clips. See picture on the right.
3. Press the ▲ key to play the voice recording.
4. During playback, use the  to control volume. The volume icon appears on the screen. Press the **T** button to increase volume. Press the **W** button to decrease volume.
5. Press the ▲ key to pause playback. Press the ▲ key again to resume.
6. Press the ▼ key to stop the playback. The LCD monitor displays the image in Single navigation mode.



Playing Voice Memo

Voice memo is separately recorded and attached to a captured image. See [“Voice Memo” on page 43](#) on how to record voice memo.

1. Set the camera to Playback mode.
2. Use the navigation controls to scroll through the saved images. An image file with voice memo has a voice memo icon located on the top center of the LCD monitor. See picture on the right.



3. Press the **▲** key to play the voice recording.
4. During playback, use the to control volume. Press the **T** button to increase volume. Press the **W** button to decrease volume.
5. Press the **▲** key to pause playback. Press the **▲** key again to resume.
6. Press the **▼** key to stop the playback. The LCD monitor displays the image in Single navigation mode.

Deleting an Image/Video/Audio

There are two ways to delete an image/video/audio:

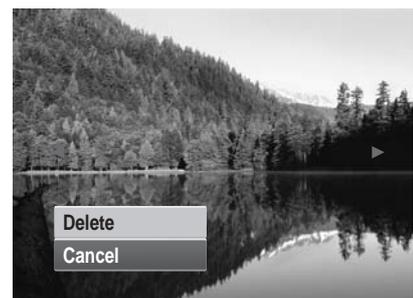
- Using the **Delete** button, or
- Using Playback Menu Delete settings. See [“Delete” on page 45](#).

Using the Delete Button

Use the **Delete** button on your camera to delete or mark an image/video/audio clip for deletion.



1. Set the camera to Playback mode.
2. View images/videos/audio clips in Single navigation mode.
3. Use the **◀** or **▶** keys to scroll the display.
4. When the desired image/video/audio clip is displayed on the LCD monitor, press the **Delete** button.
5. A confirmation selection appears on screen.
6. Select **Delete**.
7. Press the **SET** button to delete.



8. The next image is displayed on the LCD monitor. To delete another file, use the ◀ or ▶ to scroll through the images/videos/audio clips. Then, repeat steps 4 to 7.
9. To close the Delete function and go back to viewing in single navigation mode, select Cancel.



Locked files cannot be deleted at any time. When you try to delete a locked file, the camera displays “File Locked” message on the LCD monitor.

Playback Menu

The Playback menu allows you to edit images, records voice memo, and setup playback settings.

To go to Playback Menu:

1. Set the camera to Playback mode. See page 11.
2. Press  to launch the Playback Menu.
3. Use the ▲ or ▼ keys to move through the menu selections.
4. To select a menu, press ▶ or the **SET** button.
5. Change the submenu settings using the 4-way navigation control.
6. Press the **SET** button to save and apply settings.



Slideshow

The Slideshow function allows you to view all stored photos/videos in still image format in a continuous sequence.

To view slideshow:

1. From the Playback menu, select Slideshow. The Slideshow menu appears.
2. Set the slideshow settings.
3. Select **Start**, then press the **SET** button to start the slideshow.
4. During slideshow, press the **SET** button to pause slideshow.
5. Use the ▲ or ▼ keys to move through the options. Select whether to Continue or Exit the slideshow.
6. Press the **SET** button to apply selected option.

To change slideshow settings:



1. From the Slideshow menu, use the ▲ or ▼ keys to move through the selections.
2. Select Interval setting. Press the ◀ or ▶ keys to adjust. Choose among the available interval settings: 1 sec., 3 sec., 5 sec., and 10 sec.
3. Select Transition setting. Press the ◀ or ▶ keys to adjust. Choose among the available transition settings:
 - Horizontal
 - Shrink
 - Fade
 - Vertical
 - Random
4. Select Repeat setting. Press the ◀ or ▶ keys to adjust. Available settings are: On, Off.

Delete

The Delete function lets you remove unwanted files in the internal memory or on the memory card.

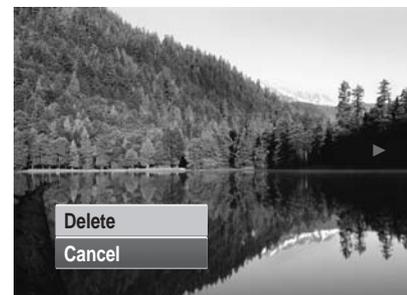
To delete a photo/video/audio clip:

1. From the Playback menu, select Delete.
2. The Delete submenu is displayed on the LCD monitor. Select available settings:
 - **Single**. Select one file to delete.
 - **Multi**. Select multiple files to delete at the same time.
 - **All**. Delete all files.



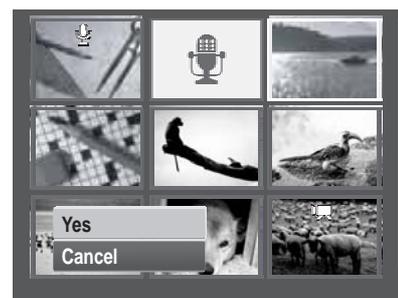
To delete a single file:

1. Select Single in the Delete submenu, the images are displayed on the LCD monitor in single navigation mode.
2. Use the ◀ or ▶ keys to scroll the display.
3. When the desired image/video/audio clip is displayed on the LCD monitor, select **Delete**.
4. Press the **SET** button to delete.
5. The next image is displayed on the LCD monitor. To delete another file, use the ◀ or ▶ to scroll through the images/videos/audio clips. Repeat steps 3 to 7.
6. To close the Delete function and go back Playback menu, select **Cancel**.



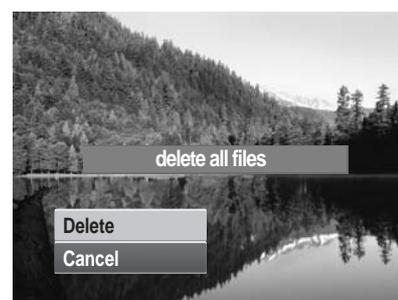
To delete multiple files:

1. Select **Multi** in the Delete submenu, the images are displayed in thumbnail view on the LCD monitor.
2. Use the navigation control to move through the files.
3. When the desired image/video/audio clip is highlighted, press the **SET** button to mark image/video/audio clip for deletion.
4. Repeat step 3 until all desired images for deletion are marked.
5. Press the **MENU** button. A confirmation selection appears.
6. Select **Yes** to confirm.
7. Press the **SET** button to delete marked files.



To delete all files:

1. Select **All** in the Delete submenu. A confirmation message appears.
2. Select **Delete**.
3. Press the **SET** button to delete all files.



Protect

The Protect function lets you lock a photo or video to protect it from being modified or accidentally erased. A protected file has a lock icon when viewed on Playback mode.

To protect files:

1. From the Playback menu, select Protect.
2. The Protect submenu is displayed on the LCD monitor. Select available settings:
 - **Single**. Select one file to lock.
 - **Multi**. Select multiple files from the thumbnail view to lock.
 - **Lock All**. Lock all files
 - **Unlock All**. Unlock all files.



To protect/unprotect a single file:

1. Select **Single** in the Protect submenu, the images are displayed on the LCD monitor in single navigation mode.
2. Use the ◀ or ▶ keys to scroll the display.

3. When the desired file is displayed on the LCD monitor, select **Lock/Unlock**.
4. Press the **SET** button to protect/unprotect the file and go back to Playback mode.

To protect/unprotect multiple files:

1. Select Multi in the Protect submenu, the images are displayed in thumbnail view on the LCD monitor.
2. Use the navigation control to move through the files.
3. When the desired file is highlighted, press the **SET** button to mark/unmark the file clip for protection.
4. Repeat step 3 until all desired files to protect are marked.
5. Press the **MENU** button. A confirmation selection appears.
6. Select **Yes**.
7. Press the **SET** button to lock files and go back to Playback mode.



To protect all files:

1. Select **Lock all** in the Protect submenu. A confirmation message appears.
2. Select **Delete**.
3. Press the **SET** button to delete all files.



To unlock all files:

1. Select **Unlock all** in the Protect submenu. A confirmation message appears.
2. Select **Yes**.
3. Press the **SET** button to unlock all protected files.



Red Eye Correction

The Red Eye Correction function is used to reduce red eye in captured images. This function is only available for still images. Red eye correction can be applied to an image several times, but the quality may gradually deteriorate.

To activate Red Eye Correction:

1. Set the camera to Playback mode.
2. Press the ◀ or ▶ keys to scroll and select an image.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Red Eye Correction**.
5. Select **Start**.
6. Press the **SET** button to start correction.



Steps 5 and 6



Step 7



7. After completing Red eye correction, a menu selection appears. Select whether to:
 - **Overwrite**. Save and replace the old file with the new one.
 - **Save As**. Save the new file as a new one.
 - **Cancel**. Cancel red eye correction.
8. Press the **SET** button to save/cancel changes.

Voice Memo

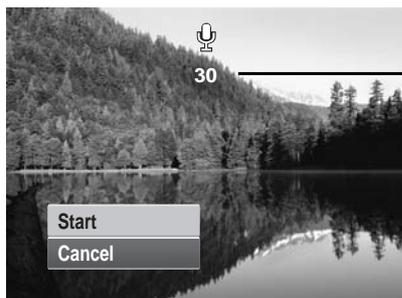
The Voice Memo function allows you to record and attach a voice memo to a saved image. You can record a maximum of 30 seconds of Voice memo per image. This function is only available in still images.

To record voice memo:

1. Set the camera to Playback mode.
2. Press the ◀ or ▶ keys to scroll and select an image to attach voice memo to.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Voice Memo**.

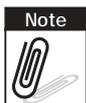


5. Select **Start**, then press the **SET** button to start recording.



Time left (n seconds) for recording.

6. Select **Stop**, then press the **SET** button to stop recording.



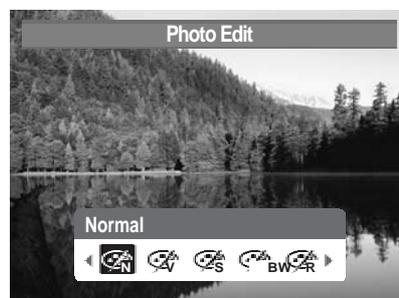
When you record voice memo to an image with an existing voice memo, the old recording is automatically changed to the new one.

Photo Edit

The Photo Edit function lets you adjust edit still images to apply different colors or tones for a more artistic effect. Edited photos in this function is saved as a new file.

To activate Photo Edit:

1. Set the camera to Playback mode.
2. Press the ◀ or ▶ keys to scroll and select an image to edit.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Photo Edit**. The Photo Edit submenu appears.



5. Press the ◀ or ▶ keys to scroll and select an option. As you move through the selection, the preview on the LCD monitor changes synchronously.

The succeeding table shows the available settings.

Icon	Item	Description
	Normal	No effect is added to the image.
	Sepia	Image is saved with a sepia tone.
	B&W	Image is saved in black and white.

Icon	Item	Description
	Negative	Image appears to be the opposite of the original image.
	Mosaic	Image is saved with mosaic tiles.
	Vivid Red	Image is saved with reddish tint.
	Vivid Green	Image is saved with greenish tint.
	Vivid Blue	Image is saved with bluish tint.

6. Press the **SET** button to save the new file.

Z-Lighting

The Z-Lighting function allows you to manually adjust the exposure to compensate for inadequate lighting conditions. This function is only applicable for still images. The edited image is saved as a new file.

To adjust Z-Lighting:

1. Set the camera to Playback mode.
2. Press the ◀ or ▶ keys to scroll and select an image to adjust lighting.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Z-Lighting**. The Z-Lighting menu appears on the screen.
5. Press the ◀ or ▶ keys to increase/decrease the value. As you adjust the settings, the LCD monitor synchronously displays the image applying the new settings.
 - The available settings are: 0.0, 1.0, 2.0, 3.0, and 4.0.
6. Press the **SET** button to save and apply changes.



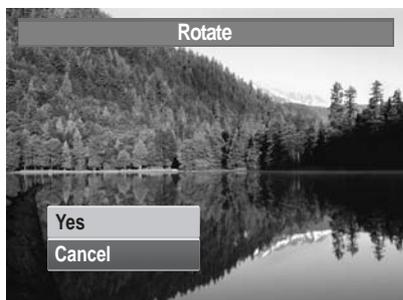
Rotate

The Rotate function lets you change the orientation of a saved photo. This function is only available for still images. Rotated images are saved as a new file.

To Rotate an image:

1. Set the camera to Playback mode.
2. Press the ◀ or ▶ keys to scroll and select an image to rotate.

3. Press the **MENU** button to launch the Playback menu.
4. Select **Rotate**.
5. Select **Yes** and press the **SET** button to rotate image. The preview on the LCD monitor changes synchronously.



Normal orientation of image.

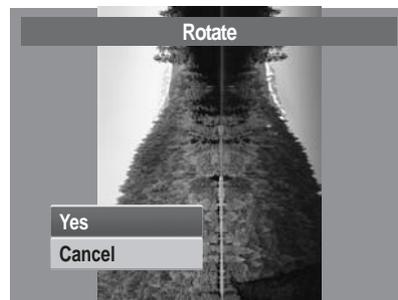


Image rotated at 90° clockwise.

6. Repeat step 5 until desired orientation is achieved.
7. Select **Cancel** and press the **SET** button to close Rotation function.



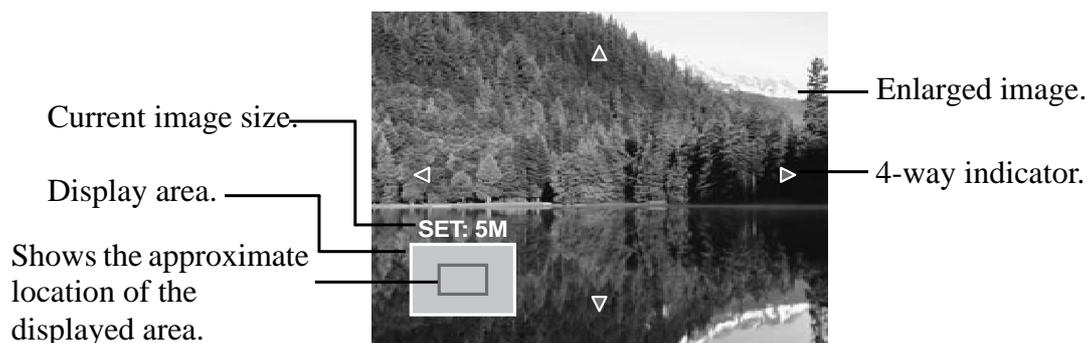
Each time you press the SET button to rotate image, the image is rotated at 90° clockwise.

Trim

The Trim function allows you to trim an image to another image size. This function is only available for still images.

To trim an image:

1. Set the camera to Playback mode.
2. Use the ◀ or ▶ keys to scroll and select an image to trim.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Trim**. The Trim screen layout is displayed on the LCD monitor.
5. Use the  control to change size.



6. Use the navigation controls to move the image.
7. Press the **SET** button to apply changes. A menu selection appears.
8. Select whether to:
 - **Overwrite.** Save and replace the old file with the new one.
 - **Save As.** Save the new file as a new one.
 - **Cancel.** Cancel resize.
9. Press the **SET** button to save/cancel changes.



Resize

The Resize function allows you to change the image resolution of large images to smaller ones. This function is only available for still images.

To resize an image:

1. Set the camera to Playback mode.
2. Use the ◀ or ▶ keys to scroll and select an image to resize.
3. Press the **MENU** button to launch the Playback menu.
4. Select **Resize**. The Resize submenu is displayed on the LCD monitor.
5. Select size among: 8M, 5M, 3M, and VGA. Available size settings may vary depending on original image size. Unavailable settings appear as gray icons in Resize submenu.
6. After selecting size, a menu selection appears. Select whether to:
 - **Overwrite.** Save and replace the old file with the new one.
 - **Save As.** Save the new file as a new one.
 - **Cancel.** Cancel resize.
7. Press the **SET** button to save/cancel changes.



Resize function is not available for photos with image size set to VGA.

Startup Image

The Startup Image function allows you to setup a startup image when you turn on your camera.

1. Press the **MENU** button to launch the Playback menu.
2. Select **Startup Image**. The menu selection appears.
3. Select options:
 - **System**. Use camera default image.
 - **My Photo**. Use the ◀ or ▶ keys to scroll and select desired image.
 - **Off**. Disable the startup image.
4. Press the **SET** button to apply changes.



DPOF

The Digital Print Order Format (DPOF) function allows you to mark image in your memory card for printing and allows you to specify the number of copies that you want to print at a later date. When all images to be printed are marked, take the memory card to a digital printing service, or use a DPOF compatible printer.

To set DPOF:

1. Press the **MENU** button to launch the Playback menu.
2. Select **DPOF**. The submenu appears. Available settings are as follows:
 - **Single**. Select a single image to mark.
 - **All**. Mark all images in the memory card.
 - **Reset**. Reset all DPOF settings to initial default settings.



To set DPOF on a single image:

1. Select **Single** on the DPOF submenu.
2. Use the ◀ or ▶ keys to scroll and select an image to mark for printing.
3. Specify number of copies. Use the ▲ or ▼ keys to increase/decrease number.
4. Press the **Func** button to toggle between turning on/off the date stamp.
5. Press the **SET** button to save DPOF settings.



To set DPOF on all files:

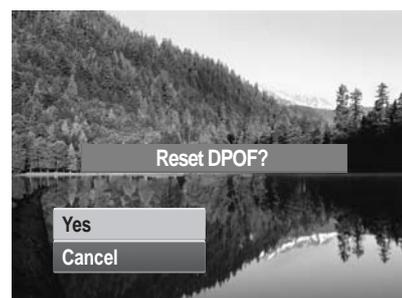
1. Select **All** on the DPOF submenu.
2. Specify number of copies. Use the ▲ or ▼ keys to increase/decrease number.
3. Press the **Func** button to toggle between turning on/off the date stamp.



4. Press the **SET** button to save DPOF settings.

To reset DPOF:

1. Select **Reset** on the DPOF submenu. A confirmation message appears.
2. Select **Yes**.
3. Press the **SET** button to reset DPOF settings.



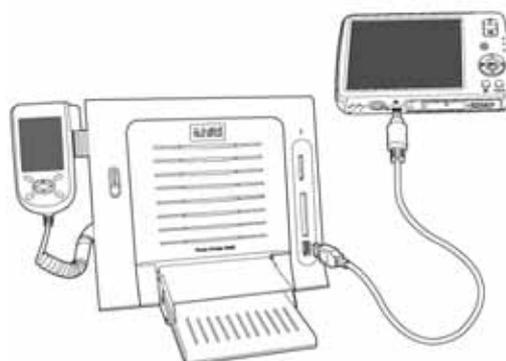
You can specify up to 99 copies for DPOF. If you specify 0 copies, the DPOF setting of that image is automatically disabled.

Printing Image from USB connection

You may print the captured images to any LinkPrint compatible HiTi printers directly without connecting the camera to a PC. This can be done via PictBridge or LinkPrint connections.

To activate PictBridge:

1. Power on the printer and enable "LinkPrint" function in printer to camera mode ().
2. Connect the camera to the printer by USB cable.
3. In the playback mode, press  and  to select setup menu.  Select "USB" and connect to "**Printer.**"
4. Select "PRINT ALL" or "PRINT ONE".
5. Go to "SET" to select the number of prints.
6. Select "PRINT" to print out the image.



To print via LinkPrint:

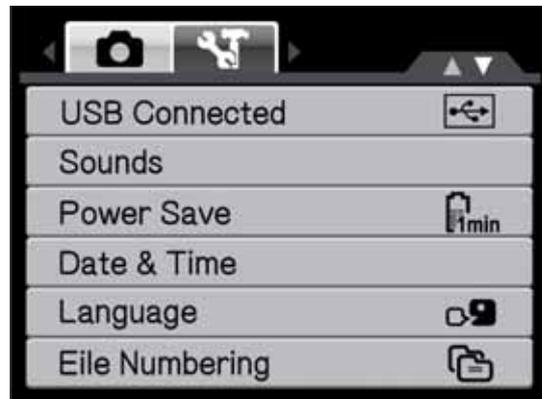
1. Power on the printer and enable "LinkPrint" function in printer to camera mode ().
2. Connect the camera to the printer by USB cable.
3. In the playback mode, press  and  to select setup menu.  Select "USB" and connect to "**Computer.**"
4. Select "PRINT ALL" or "PRINT ONE".
5. Go to "SET" to select the number of prints.
6. Select "PRINT" to print out the image.

Using the Setup Menu

You can access the Setup menu whether you are in Record or Playback mode. The Setup menu allows you to configure general camera settings.

To go to Setup Menu:

1. Press  to launch the Record/Playback Menu.
2. Use the  or  keys to change the menu tab to  Setup menu.



3. Use the  or  keys to move through the menu selections.
4. To select an item, press .
5. Change the submenu settings using the 4-way navigation control.
6. Press the **SET** button to save and apply settings.

Setting USB connected

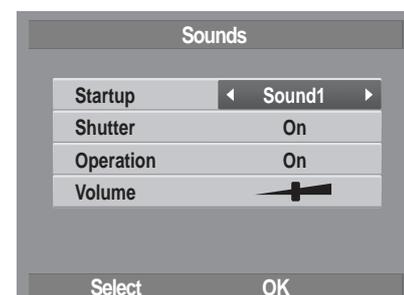
1. Use the USB connected menu functions to control the device connected by the camera.
 2. The camera can be connected to printer or computer.
- To connect the devices properly. See [“Making Connections” on page 59.](#)



Setting Sounds

Use the Sound menu functions to control the sounds produced by the camera.

1. From the Settings menu, select **Sounds**.
2. Adjusts sound settings.
3. Press the **SET** button to apply changes.



Item	Available Settings	Description
Startup	Sound 1, Sound 2, Sound 3, Off	Selects the startup sound when camera is turned on.
Shutter	On, Off	Enables or disables shutter sound when shutter button is pressed. Shutter sound is not available when recording movies or voice clips.
Operation	On, Off	Enables or disables operation sound.
Volume	0-4	Adjusts volume.

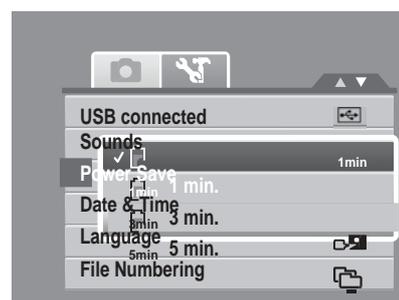
Setting Power Save

The Power Save function allows you to set an idle time after which the camera automatically sets to sleep mode to save power. After a minute of being in sleep mode, the camera eventually turns off power.

Available settings are: 1 min., 3 min., and 5 min.

This function is not available in the following instances:

- Recording a movie or audio file
- Playing a slideshow/movie/audio file
- Using the USB connector.



Setting Date & Time

Use the Date & Time function to set the date and time of your camera. This function is useful in attaching date stamps on captured images. Your camera uses a 24-hour time format.

1. Press the navigation controls to adjust date and time value. By holding down the ▲ or ▼, the numeric values changes continuously.
2. Press the **SET** button to apply changes.



Setting Language

The Language menu allows you to choose the language of the on screen display (OSD) menu.

- Use the navigation control to scroll through the list and select the desired language.
- Press the **SET** button to confirm and apply settings.



Setting File Numbering

This function allows you to select the method in which to assign file numbers to images.

Available settings are:

-  **Series**. Assigns number to files in sequence even if the folder is changed .
-  **0001 Reset**. Starts from 0001 each time the folder is changed.

To understand folder and file structure of your camera, see *****.



Setting TV Out

Use the TV Out function to adjust video output signal to accommodate different regional settings. If TV out is not set correctly, the image may not display properly on TV.

Available settings are:

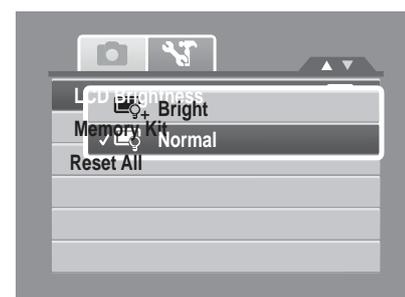
-  **NTSC NTSC**. Applicable in Japan, USA, Canada, Taiwan and others.
-  **PAL PAL**. Applicable in Europe, Asia (excluding Taiwan), Oceania and others.



Setting LCD Brightness

Use the LCD Brightness function to control the LCD brightness. Available settings are:

-  **Bright**. Enhances LCD brightness.
-  **Normal**. Normal LCD brightness.

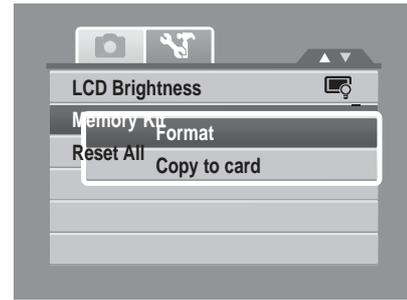


Setting Memory Kit

Use this function to manage contents of the internal memory or memory card.

Available settings are:

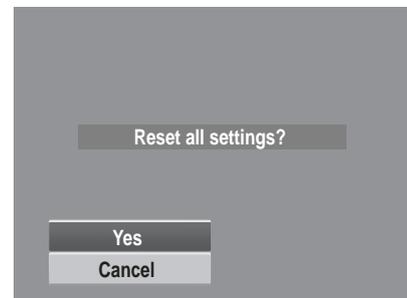
- **Format.** Select to format currently used memory.
- **Copy to Card.** Select to copy all files stored in the internal memory to the memory card.



- If there is a memory card inserted in the memory slot, the camera automatically saves all files to the memory card.
- If there is no memory card or the internal memory is empty, the **Copy to Card** function is disabled.

Reset All

Use this function to reset all to initial default settings.



Making Connections

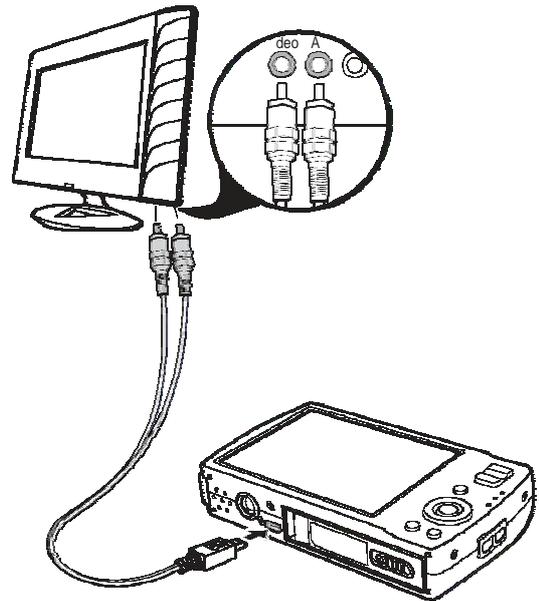
You can connect your camera to:

- TV
- Computer
- Printer

Connecting the Camera to a TV

To connect your camera to a TV:

1. Turn on the camera.
2. Set the TV out to match TV's video out format. See "Setting TV Out" on page 55.
3. Connect the USB/AV 3-in-1 cable to the USB port on the bottom of your camera.
4. Connect the other end of the cable to the TV's AV input port.
5. The LCD monitor turns black and all images and video clips are displayed on the TV.



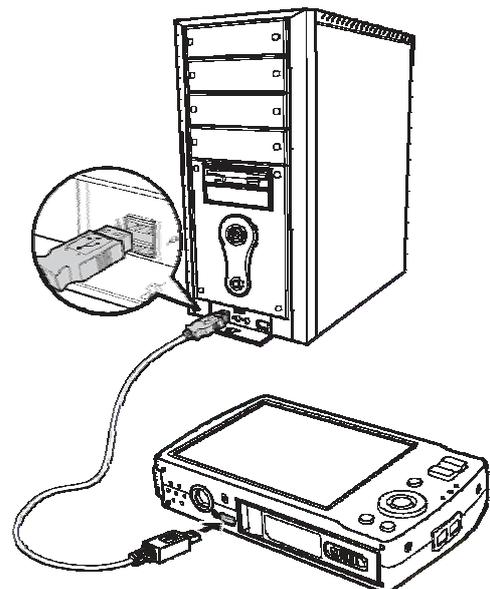
Connecting the Camera a PC

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

1. Connect the camera to a PC using the USB cable.
2. Turn on the camera.
3. The PC detects the connection. The camera's internal memory and memory card display as removable drives in the file manager. No image is displayed on the LCD monitor.



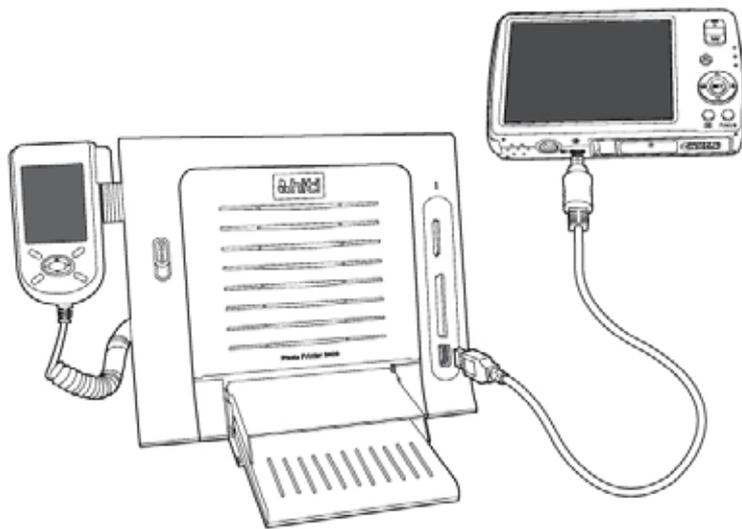
Note You can also use a card reader to access the memory card contents of your camera



Connecting the Camera to a Printer

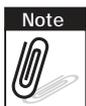
You can print your photos directly using a PictBridge compatible printer.

1. Turn on your camera.
2. Set PictBridge settings.
3. Connect the camera to the printer using the USB cable.



For more details on how to print photos, see [“Printing image from USB connection” on page 54](#).

For more details on how to taking ID/passport photos via ID camera, see [“Taking ID/Passport Photos” on page 20](#).



Note

You can get automatic ID photo layout only when printing with certain HiTi photo printers.

Appendix

About Folder and File Names

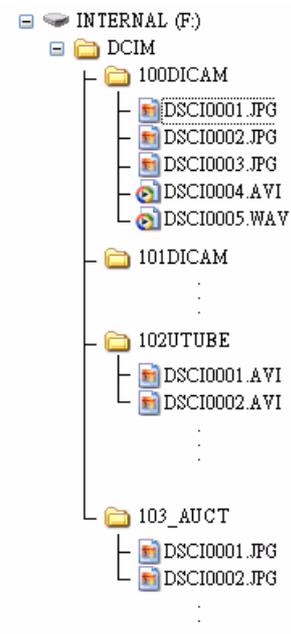
Your camera automatically creates specific directory of folders in the internal memory memory cards to organize captured images, videos and audio files.

Folder Structure

Your camera creates three directory names:

- **DICAM.** All captured images, videos and audio files are stored in this folder except for files recorded using the Auction or YouTube mode.
- **_AUCT.** Captured images using the Auction mode are saved in this folder.
- **_UTUBE.** Captured videos using the YouTube mode are saved in this folder.

Folder names begin with a 3-digit number from 100 to 999 and followed by "DICAM" or "_AUCT" or "_UTUBE". Each folder holds up to 9999 files. If new files are saved, a new folder named in sequence will be automatically created.



File Naming

File names begin with "DSCI" and followed by a 4-digit number that increases in sequence. 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 will display the warning message "Folder cannot be created." When this happens, try one of the following ways:

- Reset the file number. See ["Setting File Numbering" on page 57](#)
- Plug in a new memory card.



Do not change the folder and file names in the memory card using your PC. It may be unable to playback the data using the camera.

Troubleshooting

Problem	Cause and/or Action
Camera does not turn on.	The batteries may be exhausted. Charge or replace the batteries.
Camera turns off automatically.	Press any button except the Power button to turn on the camera.
LCD turns blank.	Press any button except the Power button to turn on the LCD.
Empty battery icon is displayed on the LCD, then the camera turns off.	Batteries are exhausted, please replace or recharge.
LCD screen displays 'No image'.	The image file on the memory card. Image file format may not be supported.
LCD screen displays 'Not available for this file'.	Function is only available for specific file types. File format is not supported.
LCD screen displays 'Memory full'.	Memory card is full. Replace the memory card with a new one or delete unnecessary images.
LCD screen displays 'File locked'	This file is locked. Unlock the file. See "Protect" on page 44.
LCD screen displays 'Card locked'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position.
LCD screen displays 'Format error'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position.
LCD screen displays 'Copy error'.	The memory card is protected. Remove the card and slide the write-protect switch to its unlock position. The memory card is full. Replace card or delete unnecessary files.
No image displays on the TV Screen.	Incorrect TV-out type was selected. Set the correct TV-out type to match your TV system.
LCD screen displays 'USB error'.	USB is not connected properly. Reconnect the camera and the printer or the computer.
LCD screen displays 'printer error'.	The connected printer has error while printing. Check the printer LCD or user manual for instruction.

Specifications

Sensor	10 Mega Pixels CCD, Size: 1/2.3
Lens	Focal Length: f = 6.3 - 18.9 mm, 3X optical zoom, 5x digital zoom
LCD Monitor	3.0" color LTPS LCD
Focus Range	Normal: 0.4m - Infinity (All zoom step) Macro: 0.1m - 0.6m (At wide only)
Aperture	F = 3.1 - 5.6
Shutter	Auto: 1 - 1/2000 sec Manual mode: 15 - 1/2000 sec Night: 15 - 1/2000 sec Fireworks: 2 sec
File Format	Still Image: EXIF 2.2 compatible format (JPEG compression) Video: AVI (MJPEG) Audio: WAV
Resolution	Image: 10M (3648 X 2736), 3:2 (3648 X 2432), 16:9 (3648 X 2048), 8M (3264 X 2448), 5M (2592 X 1944), 3M (2048 X 1536), HD 16:9 (1920 x 1080), VGA (640 X 480)
Scene Mode	Auto, Program, Aperture Priority, Shutter Priority, Manual Exposure, ID, Landscape, Sunset, Backlight, Smile Detection, Kids, Night Scene, Fireworks, Snow, Sports, Party, Candlelight, Night Portrait, Soft Skin, Soft Flowing Water, Food, Building, Text, Auction, Movie, Voice Rec
Sensitivity	Auto, 50, 100, 200, 400, 800, 1600, 3200 (3M or lower only)
White Balance	Auto, Daylight, Cloudy, Tungsten, Flourescent_H, Flourescent_L, Custom
Exposure Control	-2EV to + 2EV (1/3EV steps)
Metering	Multi, Spot, Center-weighted
Drive Mode	10 sec, 2 sec, Double, Burst
Flash	Auto, Red-eye Reduction, Slow Sync, Forced On, Forced Off , M1/4 , M1/2 , M3/4 and Full Manual exposure control (M1/4 , M1/2 , M3/4 , and Full) is only applied in ID mode.
Photo Edit	Black & White, Sepia, Negative, Mosaic, Vivid Red, Vivid Green, Vivid Blue

Chapter 10: Specifications

Storage	32MB internal memory, 10MB real size for mass storage SD (max. size 4GB) SDHC card (max. size 8GB)
TV system	NTSC, PAL
Battery	Li-ion battery
Operating Temperature	0° C - 40° C
Operating Humidity	0% - 90%
Microphone	Built-in
Speaker	Built-in
Dimensions	Max. 97.6 X 57.5 X 18.9 mm Normal 95.45 X 56.45 X 18.9 mm
Weight	130g