

Rollei

• USER GUIDE



RCP-10325X

10 MEGA PIXELS | ROLLEI 3x APOGON ZOOM | 2.5" COLOR-LCD | USB 2.0 |
SD 2 GB SUPPORT



Face Detection



DISPLAY
BRIGHTNESS MODE



Read First

■ Warning & Cautions

Before using the camera, please make sure that you read and understand all the following safety precautions. Always ensure that the camera is operated correctly. The safety precautions will instruct you in the safe and correct operation of the camera and its accessories, preventing injury or damage to yourself, other persons and equipment.

In the following pages, the term “equipment” refers mainly to the camera and its power supply accessories.

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WARNING

To prevent possible injury, please observe the following warnings when using this product.

- **Do not use the flash too close to eyes**

Using the flash too close to your subject's eyes can damage the eyesight. Especially, remain at least one meter (39 inches) away from infants when you use the flash.

- **Do not place camera strap around neck**

The strap could cause suffocation when accidentally wound around neck.

- **Do not open or disassemble**

Disassembling the equipment may cause high-voltage electric shock. Interior inspections, modifications and repairs should be conducted by qualified service staff. Please take the product to an authorized service center for inspection.

Read First

- **Turn off immediately when malfunction occurs**

If you notice unusual smell or smoke coming from the equipment, please unplug the AC adapter and remove the battery immediately. Proceed swiftly but with caution to avoid being burnt. Take the equipment to an authorized service center for inspection.

- **Unplug the adapter when the camera is not in use**

If you use the adapter as the power source, unplug the adapter when the camera is not in use to prevent fire and other dangers. Continuous use over a period of time may lead to overheating, deformation and fire.

Battery

Observe the following instructions when handling the battery used in this product. Improper use of battery may lead to leakage or explosion.

- Recharge only Li-ion rechargeable batteries. Recharging batteries that are not rechargeable may lead to leakage or explosion.
- Check battery polarity before inserting. Do not attempt to insert the battery upside down or backward.
- Do not disassemble or short circuit the battery.
- Do not expose battery to fire or excessive heat.
- Do not immerse or contact with water or other liquids.
- Stop using the battery immediately if you notice any deformation or changes in color.
- Do not put the batteries together with metal objects such as coins, keys or hairpins in your pocket.
- Keep battery out of the reach of children. Seek medical attention right away if a child swallows a battery.

CAUTIONS

Observe and exercise the following cautions to avoid damage and keep your camera in an optimum working status.

- **Keep Dry**

This camera is not waterproof, and may malfunction if immersed in water, or any liquids enter the interior of the camera.

- **Keep away from Moisture, Salt or Dust**

Wipe off salt or dust with a slightly dampened soft cloth after using your camera at the beach or seaside, then, dry your camera thoroughly.

- **Keep away from Strong Magnetic Fields**

Never put the camera too close to any equipment producing strong electromagnetic fields, such as electric motor. Strong electromagnetic fields could lead to camera malfunctions or interfere with the data recording.

- **Avoid Intense Heat**

Do not use or store the equipment under sunlight or high temperatures. Such exposure could lead to the leakage of the batteries or deformation of the casing.

- **Avoid rapid temperature changes**

Rapidly moving the equipment between hot and cold temperatures may cause water droplets to form on its exterior and interior. To prevent condensation, place the equipment in its carry case or a plastic bag before exposing it to a rapid temperature change.

- **Battery**

In low temperature circumstances, the battery capacity may decrease significantly due to the inactive chemical reaction. When taking pictures in cold weather, keep a warm backup battery on hand.

Should the battery terminals become dirty, wipe them with a dry, clean cloth or use an eraser to remove the stains.

Read First

- **Handle the lens and all parts with care**

Do not touch the lens or lens barrel. Be careful in handling the memory card and battery. These parts are not designed to withstand force greater than regular use.

- **Do not unplug or remove the battery when processing data**

When image data is being recorded or deleted from memory cards, cutting off power could result in data loss or damage the internal circuitry or memory.

- **Do not drop**

Strong shock or vibration of dropping could cause malfunction. Keep the strap around your wrist when carrying the camera.

- **Memory cards**

Turn off the power before inserting or removing the memory card.

Otherwise, the memory card could become unstable.

Memory cards may get hot during use, so remove memory card from the camera with care.

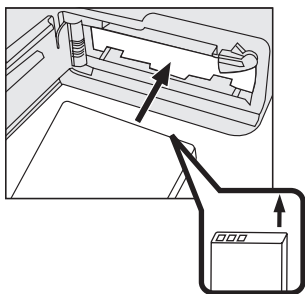
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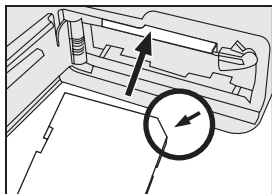
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Quick Start




- 1** Insert a battery. See page 13.



- 2** Insert a memory card. See page 13.

- 3** Turn on the camera.

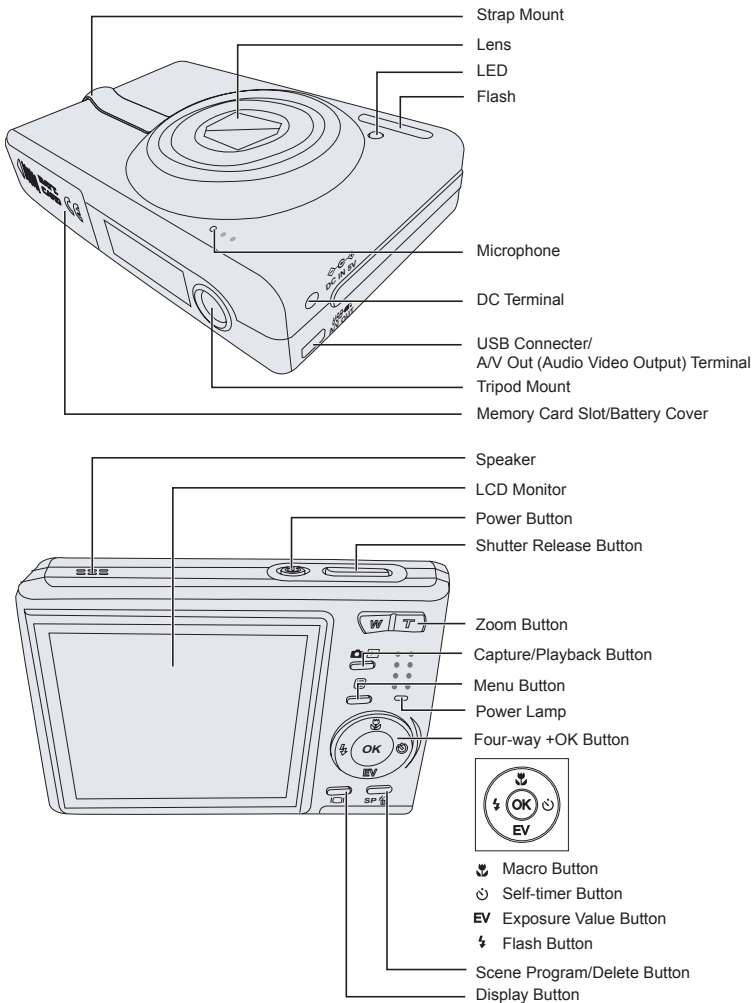
- 4** Press the  button to capture mode and frame your subjects with the LCD monitor.

- 5** Slightly press the shutter release button half way down and hold it to set the focus and exposure.

- 6** Press the shutter release button down fully to take the picture.

Chapter 1: Getting Started

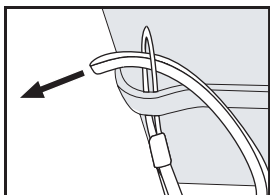
Camera Parts



Chapter 1: Getting Started

Set Up

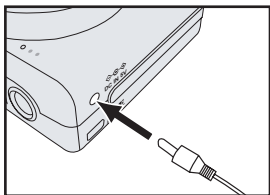
■ Attaching the Wrist Strap



Insert the small loop of the wrist strap into the strap eyelet. Insert the long loop of the wrist strap into the small loop of the strap and then tighten it.

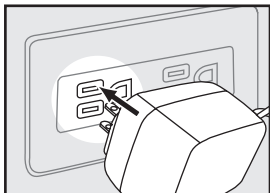
■ Charging the Battery

The supplied rechargeable Li-ion battery pack should be charged before use.



1 Make sure that the camera is turned off. Plug the AC adapter connector into the “DC IN 5V” socket on the camera.

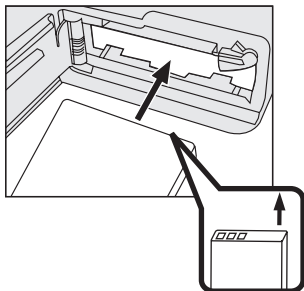
2 Plug the adapter into the main power outlet.



3 The Power Access LED goes off when charging is completed. Disconnect the AC adapter after charging and remove the camera.

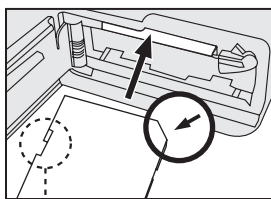
■ Inserting the Battery and Memory Card

1 Open the battery/memory card cover.



2 Insert the battery. Please check whether the battery is inserted with the correct polarity (+/-).

Note: Risk of explosion if battery is replaced by an incorrect type. Dispose of used batteries according to the instructions.



Write Protect Switch

3 Insert a SD memory card into the memory card slot as shown.

Note 1: The write protect switch of the memory card prevents files from being deleted or formatted. Make sure the switch is in the “unlock” position before use.

Note 2: Please format memory card before first use.

4 Close the battery/memory card cover.

Chapter 1: Getting Started

■ Turning On for the First Time

The language selection screen appears. Select the language you want from the list.



Press **EV** button to select the language you need. Press the OK button to confirm all settings.

Note: To change the language after you have performed configuration for the first time, refer to “Setting Language” on page 60.

The Date/Time setup screen will appear automatically after you have selected a language. Set the date and time so they appear correctly when reviewing images stored on your camera.



1 Press **EV** button to select each field.

2 Press **EV** button to make adjustments to each field. Press the OK button to confirm all settings.

Note: To change the date and time after you have performed configuration for the first time, refer to “Setting Date and Time” on page 60.

Note: To reset the default language and date & time, do the following:

- Press the POWER button to power up the camera.
- During power up, press and hold the OK button continuously.
- The language and date & time setup screens are displayed.
- Once you have configured these settings, the AUTO Live View will be displayed.

Chapter 2: Taking Images and Recording Video Clips

Using the LCD Monitor

When you turn on the camera, the LCD monitor turns on automatically. With the LCD monitor you can frame the images or video clips you want to capture and record.

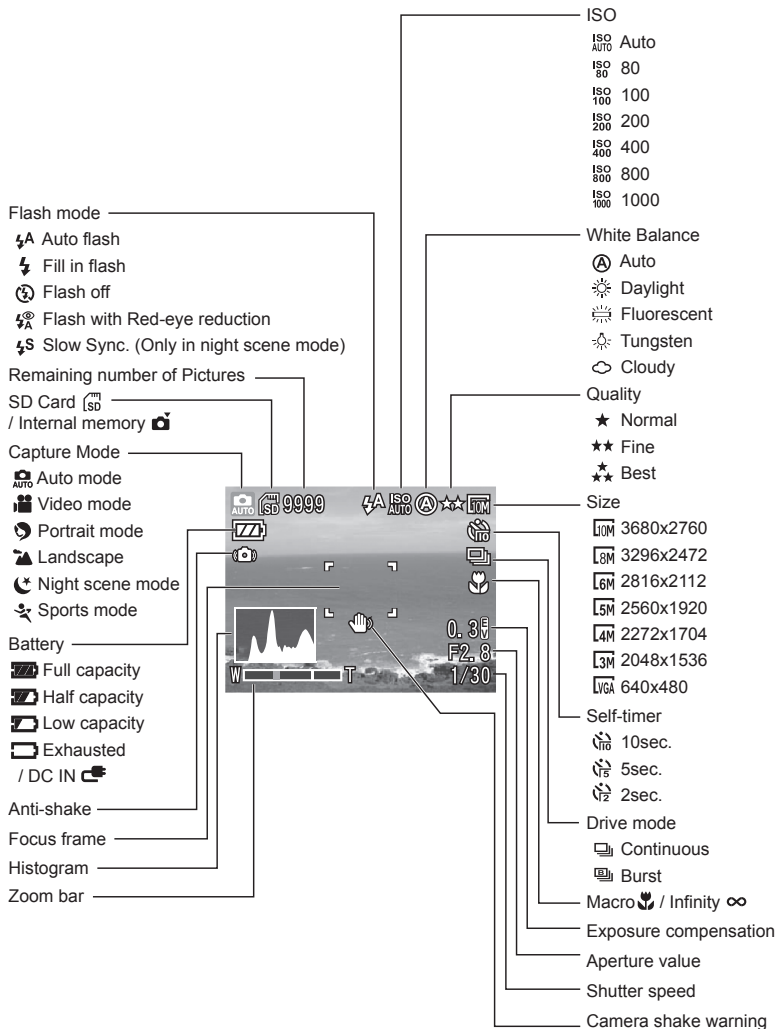
The following illustration shows the LCD monitor layout and descriptions of all icons.

Note 1: You may not be able to see the LCD monitor clearly when using the LCD monitor under intense light, such as sunlight. You can adjust the LCD brightness to improve visibility. See page 65.

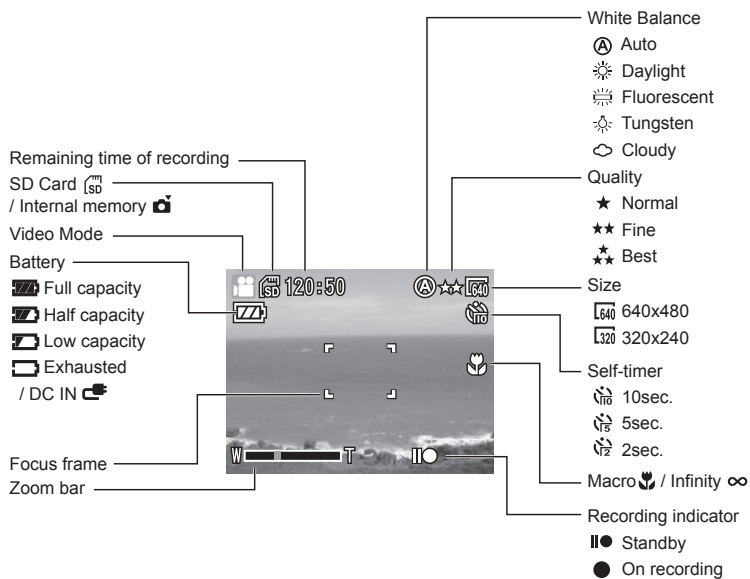
Note 2: Note that the following are for illustrative purposes only. They may not exactly match the LCD monitor content actually displayed on the camera.

Chapter 2: Taking Images and Recording Video Clips

■ Capture Mode




■ Video Mode



Chapter 2: Taking Images and Recording Video Clips

■ Changing Mode

You can change the contents on the LCD monitor by pressing the  button to cycle through the available options.

• Capture Mode



* OSD stands for 'on screen display'.

* Histogram: The histogram is a graph to judge the tonal range of the image. The correct exposure of the image is the peak of the graph in the middle. If the image is too dark, the peak slants to the left. If the image is too bright, the peak slants to the right. You can adjust the exposure by using EV(Exposure Compensation) .

• Video Mode



Note: If you do not use the camera over 1 minute, the LCD monitor will turn off automatically. Press any button but power button to turn on the LCD monitor.

Using Zoom

This camera features 3x optical zoom and 8x digital zoom.

■ Optical Zoom



Optical Zoom

- 1 Press the W/T button to zoom in and out of an image.
- 2 The zoom indicator appears on the LCD monitor.

■ Digital Zoom

To use the digital zoom, you must activate it through the settings menu. See page 61 for instructions on how to do this.



Digital Zoom

- 1 Press the T button to optically zoom in to the maximum magnification. Release the button and press it again to activate the digital zoom function.
- 2 A frame surrounds the area of the image to be captured. The rest of the LCD monitor is dulled out.

Note: When recording video clips, you can only change the optical zoom setting. The digital zoom setting cannot be adjusted during video recording.

Chapter 2: Taking Images and Recording Video Clips

Taking Pictures

■ Using Auto Focus

The Auto Focus function makes taking still photos a straightforward process. By pressing the shutter release button down halfway, the camera will focus on your subject automatically and calculate all photo settings, such as exposure and saturation. You can change the Auto Focus area to Multi, Center or Face detection by using the Auto Focus function. For information about Auto Focus, see "Setting focus" on page 30.

- 1** Frame your subject with the LCD monitor.
- 2** Press the shutter release button halfway down and hold it to set the focus and exposure.
- 3** When the auto focus is set, you will hear a beep and the AF LED will light up.
- 4** Press the shutter release button down fully to take the image.

Note: The Auto Focus function may fail under certain conditions:

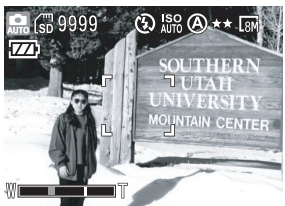
- *When shooting from behind glass.*
- *When shooting low contrast subjects (i.e. the sky, white walls, etc.).*
- *When shooting subjects that are far apart (the camera may focus on the wrong subject).*
- *When there are only horizontal lines in the frame.*

■ Using Focus Lock

When taking a photo where your subject is off-center, the camera will focus on the central area, resulting in your subject being out of focus. Focus Lock allows you to focus on an off-center subject.



- 1** Frame your subject in the center of the frame with the LCD monitor. Press the shutter release button halfway down and hold it to set the focus and exposure.



- 2** Keep the shutter release button pressed and recompose your picture, with your subject positioned off-center.
- 3** Press the shutter release button down fully to take the picture.

Note: The color of the focus bracket indicates whether the camera has focused successfully or not.

- *AF success: The focus bracket turns green.*
- *AF fail: The focus bracket turns red.*

Chapter 2: Taking Images and Recording Video Clips

■ Macro Mode (🌸)

Press the 🌸 button to select “Macro” or “Infinity” function. To shoot a close-up image, use 🌸 “Macro” function to get the detail and sharpness of the subject by fixed focus.

To shoot infinity shots, use ∞ “Infinity” function to shoot landscapes and distant objects. It can also be used for compositions combining both near and distant objects.

■ Using Self-timer (⌚)

Self-timer function allows you to take pictures 2 sec, 5 sec or 10 sec later after you press the shutter release button down fully. If you want to take yourself into the image, you can use this function. We recommend you use a tripod or place the camera on a steady surface when using self-timer.


1 Press ⌚ button until the icon 🌲₂, 🌲₅ or 🌲₁₀ appears on the LCD monitor.

2 After locking the focus and pressing the shutter release button down fully, the self-timer lamp blinks. The camera will take the image automatically after the time you set ends.

Note: The self-timer mode will not be cancelled after taking a image. Use ⌚ button again to turn off the self-timer function.






■ Setting EV (Exposure Value)

In some difficult lighting condition, the automatic exposure may be misled into giving the wrong readings. Exposure compensation allows you to adjust the exposure value and correctly expose your images.

- 1** In Capture mode, press **EV** button (EV value will be selected and light red) .
- 2** Use  button to adjust the exposure value (from -2.0 ~ +2.0). Press OK button to confirm the setting.

■ Setting Flash ()

When taking pictures in difficult lighting conditions, you may need the flash to get correct exposure. The camera provides you with built-in flash modes.

Mode	Function
 Auto Flash	Flash fires automatically when the lighting condition is dark.
 Fill in Flash	Flash fires whenever you take a shot, regardless of the lighting condition.
 Flash Off	Flash is turned off.
 Auto Flash with Red-eye Reduction	Reduces the “red-eye” effect resulting from the flash.
 Slow Sync	Flash fires with slow shutter speed to get natural exposure.

Chapter 2: Taking Images and Recording Video Clips

Mode Options

There are six scene mode options (Auto, Video, Portrait, Landscape, Night scene and Sports modes) of this camera.



1 In Capture live view, press the SP/ button to mode option and use button to select the mode.

2 Press the OK button to confirm all settings.

- **Auto Mode**

The simplest way to shoot basic images.

- **Video Mode**

To get the video clips.

- **Portrait**

You can take a natural person image.

- **Landscape**

To take the distant or outdoor scenes.

- **Night Scene**

The camera will decrease the shutter speed when taking images in the dark conditions (i.e. at night). We recommend using a tripod.

- **Sports**

The camera will increase the shutter speed to capture fast-moving subjects without blurring.

Note: The flash mode is "Flash Off" when the scene mode sets to Landscape and Night.

Recording Video Clips








- 1** Press the SP/🗑️ button and select 📹 Video mode.
- 2** Zoom in or out on your subjects by pressing the W/T button before you start recording.
- 3** Press the shutter release button halfway down and hold it to set the focus and exposure.
- 4** Press the shutter release button down fully to start recording.
- 5** Press the shutter release button again to stop recording.

Chapter 2: Taking Images and Recording Video Clips

Using the Capture/Video Menu

You can adjust image and video settings through the capture menu.

- 1 Press the  button to select Capture mode or press SP/ button to select Video mode.
- 2 Press the  button to enter the capture or video menu.
- 3 Scroll through the menu by pressing /EV button and highlight the option you wish to select. Press the OK button to confirm all settings.
- 4 Press the  button or shutter release button halfway down to return to the Capture or Video mode live view.



■ Setting Image Size (Resolution)

Changing the image size affects the number of images that can be stored on your memory card. You can capture more detailed images with higher resolutions. The higher the resolution, the more memory space will be required.

• Setting Size (for Still Images)



1 In Capture menu, select “SIZE”.

2 Select “3680 x 2760(10M)”, “3296 x 2472(8M)”, “2816x2112(6M)”, “2560x1920(5M)”, “2272x1704(4M)”, “2048x1536(3M)”, or “640x480(VGA)”.

3 Press OK button to confirm the setting.

• Setting Size (for Video Clips)



1 In Video menu, select “SIZE”

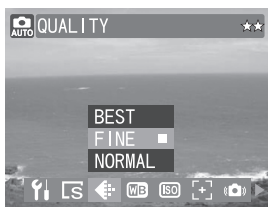
2 Select “640x480” or “320x240”.

3 Press OK button to confirm the setting.

Chapter 2: Taking Images and Recording Video Clips

■ Setting Quality

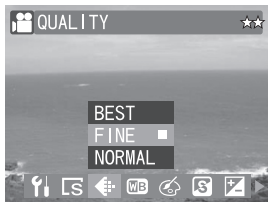
The camera features three quality settings. Image quality determines the compression applied to your photo or video. The higher the quality, the less the compression applied, resulting in a more detailed image. These more detailed images require more memory space. The lower the quality, the lower the compression and detail, and the less memory will be space required.



1 In Capture/Video menu, select “QUALITY”.

2 Select “BEST”, “FINE” or “NORMAL”.

3 Press OK button to confirm the setting.



■ Setting White Balance

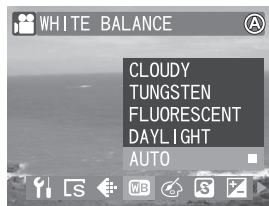
You can select the appropriate setting depending on the lighting condition of your surroundings. White Balance will adjust color levels that are affected by these lighting conditions.








1 In Capture/Video menu, select "WHITE BALANCE".

2 Select "CLOUDY", "TUNGSTEN", "FLUORESCENT", "DAYLIGHT", or "AUTO".

3 Press OK button to confirm the setting.

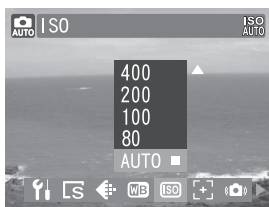


Setting	Function
 CLOUDY	Setting for shooting in overcast condition.
 TUNGSTEN	Setting for shooting in incandescent or halogen condition.
 FLUORESCENT	Setting for shooting in fluorescent condition.
 DAYLIGHT	Setting for shooting in sunny condition.
 AUTO	The camera will automatically adjust settings depending on the level of light available.

Chapter 2: Taking Images and Recording Video Clips

■ Setting ISO (Sensitivity)

Adjust the ISO value depending on the lighting levels of your surroundings; use a high ISO setting in dim conditions and a lower ISO setting in brighter conditions.



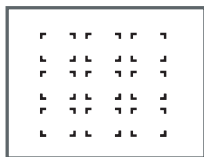
- 1** In Capture menu, select “ISO”.
- 2** Select “1000”, “800”, “400”, “200”, “100”, “80” or “AUTO”.
- 3** Press OK button to confirm the setting.

■ Setting Focus

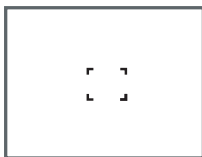
The AF frame helps you to get the area on which the camera focuses.



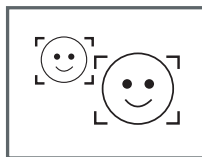
- 1** In Capture menu, select “FOCUS”.
- 2** Select “MULTI AF”, “CENTER AF” or “FACE DETECTION”.
- 3** Press OK button to confirm the setting.



Muti AF



Center AF

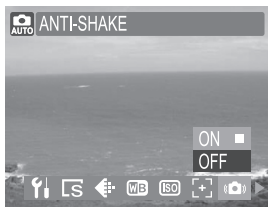


Face Detection

Setting	Function
MULTI AF	The camera will see the shooting conditions and select among the nine focus frames to focus on.
CENTER AF	The camera uses the center focus frame to focus on.
FACE DETECTION	The camera will detect and focus on faces automatically. <i>Note 1: If no face is detected, the Focus mode will automatically set to Multi AF.</i> <i>Note 2: You can use the FACE DETECTION function to take pictures of yourself. If the AF LED lights up a solid red, your face is in focus, if the AF LED flashes red, your face is out of the focus.</i>

■ Setting Anti-shake

In a bad light, Anti-shake will help you to get a nice image without using flash.



- 1** In Capture menu, select “ANTI-SHAKE”.
- 2** Select “ON” or “OFF”.
- 3** Press OK button to confirm the setting.

Note: The Anti-shake is “OFF” when the ISO sets to “Auto”.

Chapter 2: Taking Images and Recording Video Clips

■ Setting Exposure Area

The camera will measure the brightness of the selected area in order to determine the exposure level.

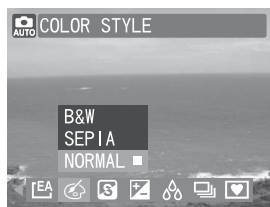


- 1** In Capture menu, select “EXPOSURE AREA”.
- 2** Select “FULL”, “CENTRAL” or “SPOT”.
- 3** Press OK button to confirm the setting.

Setting	Function
FULL	Measures brightness level from the entire capture in order to determine exposure level.
CENTRAL	Measures brightness level from the central area of the capture in order to determine exposure level.
SPOT	Meters the exposure value from a very small area in the center of screen only. Use this mode to shoot pictures with a specific exposure area.

■ Color Style

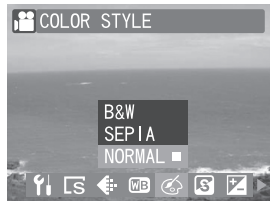
Adjust the color style to change the color of the final image.



1 In Capture/Video menu, select “COLOR STYLE”.

2 Select “B&W”, “SEPIA” or “NORMAL”.

3 Press OK button to confirm the setting.



Setting	Function
B&W	Takes the photo in black and white.
SEPIA	Takes the photo in sepia (a vintage effect).
NORMAL	Takes the photo without any special effects.

Chapter 2: Taking Images and Recording Video Clips

■ Setting Sharpness

Adjust the sharpness settings to emphasize or soften the overall appearance of the image.



- 1** In Capture/Video menu, select “SHARPNESS”.
- 2** Select “HARD”, “NORMAL” or “SOFT”.
- 3** Press OK button to confirm the setting.

Setting	Function
HARD	Emphasizes all subjects in the image. Outlines and edges are emphasized and stand out.
NORMAL	The image is captured without any adjustments to sharpness levels.
SOFT	Softens all subjects in the image. Outlines and edges are softened.

■ Setting Contrast

Adjust the Contrast setting to alter the distinction between light and dark in the image; the result is a harder or softer appearance of the final image.



1 In Capture/Video menu, select “CONTRAST”.

2 Select “HARD”, “NORMAL” or “SOFT”.

3 Press OK button to confirm the setting.

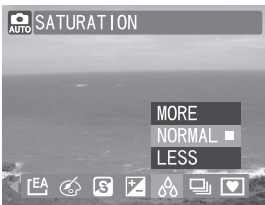


Setting	Function
HARD	The image is hardened, by defining light and dark areas more clearly.
NORMAL	The image is captured without any adjustments to contrast levels.
SOFT	The image is softened, by defining light and dark areas less clearly.

Chapter 2: Taking Images and Recording Video Clips

■ Setting Saturation

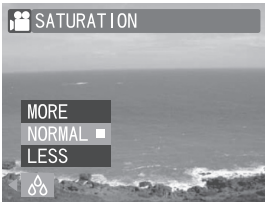
Adjust the Saturation setting to alter the intensity and purity of the color. The higher the saturation setting, the more vivid the image is.



1 In Capture/Video menu, select “SATURATION”.

2 Select “MORE”, “NORMAL” or “LESS”.

3 Press OK button to confirm the setting.



Setting	Function
MORE	Makes images look more vivid.
NORMAL	The image is captured without any adjustments to saturation levels.
LESS	Makes images look duller.

■ Setting Drive Mode



When you select DRIVE MODE in the capture menu, you can choose from three shooting modes: Single, Continuous and Burst modes.



- 1** In Capture menu, select “DRIVE MODE”.
- 2** Select “SINGLE”, “CONTINUOUS” or “BURST”.
- 3** Press OK button to confirm the setting.

Note 1: The flash mode and self-timer is “Off” when using “CONTINUOUS” and “BURST”.

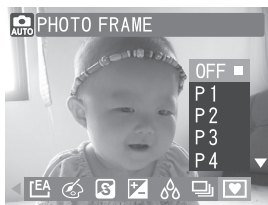
Note 2: The CONTINUOUS mode will stopped when the SD card or the internal memory is full. A “CARD FULL” warning appears on the LCD .

Setting	Function
SINGLE	Takes a single image. Press the shutter release button once to capture the image.
CONTINUOUS	Takes a series of images when you press down and hold the shutter release button. The camera will continue to take images until you release the shutter release button. When selected, the icon  appears on the LCD monitor.
BURST	Takes 5 images when you press down the shutter release button once. When selected, the icon  appears on the LCD monitor.

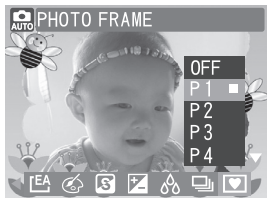
Chapter 2: Taking Images and Recording Video Clips

■ Setting Photo Frame

You can add frames to your photos by using Photo Frame.



- 1** In Capture menu, select “PHOTO FRAME”.



- 2** Select “OFF”, “P1”, “P2”, “P3”, “P4”, “P5”, “P6”, “P7”, “P8” or “P9”.
- 3** Press OK button to confirm the setting and take your picture with the Photo Frame.

Note 1: The digital zoom cannot be used when using “Photo Frame”.

Note 2: When using “Photo Frame”, Continuous and Burst cannot be used.

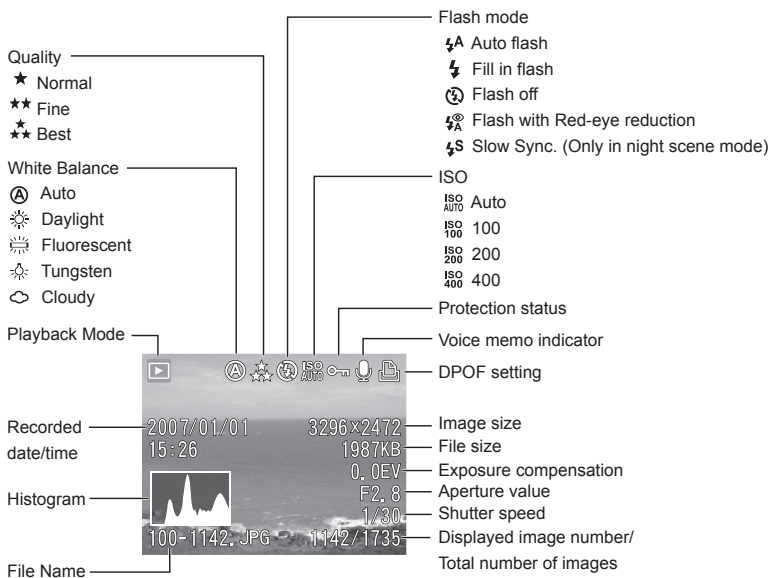
Chapter 3: Reviewing Images and Video Clips

Using the LCD Monitor

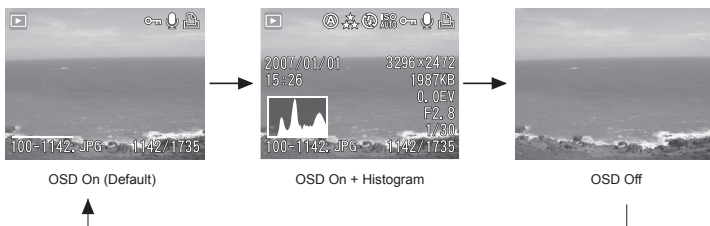
The following illustration outlines the layout and icons on the LCD monitor in playback mode.

■ Playback Mode

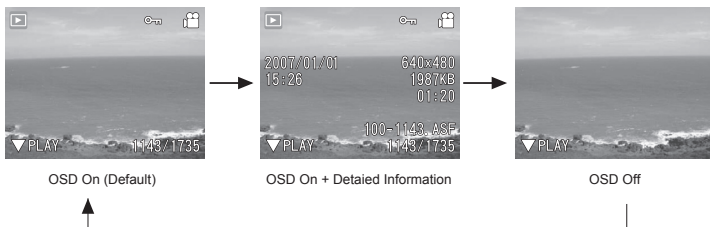
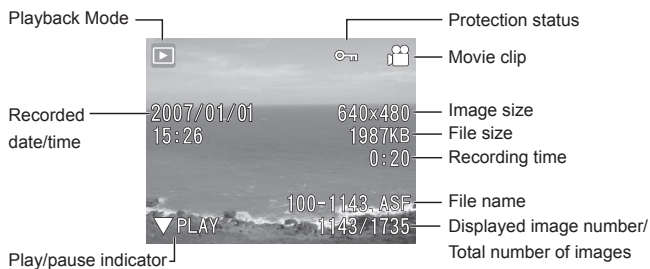
• Capture



Chapter 3: Reviewing Images and Video Clips




• Video




Using Playback

Playback mode allows you to review still images and video clips stored on your camera.



- 1** Press the  button to select Playback mode. The last taken image or the first frame of the videos appears on the LCD monitor.



- 2** Press  button to the previous or next file.








- 3** If you select a video clip, an operation guide appears on the LCD monitor. Press **EV** button to play the video clip. Press **EV** button again to pause. Press OK button to stop playing.

Chapter 3: Reviewing Images and Video Clips

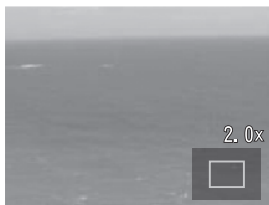
Using the Playback Menu




- 1 Press the  button to select Playback mode. Press the  button to enter the Playback menu.
- 2 Scroll through the menu by pressing  button and press  button to highlight the option you want.
- 3 Press the OK button to confirm all settings.
- 4 Press the  button to exit.

■ Activating Digital Enlargement

You can magnify images when reviewing images in playback mode.



- 1** When reviewing the image, press T button to magnify. The icons on the LCD monitor will disappear and the approximate location of the area and magnification level will show.
- 2** Use  button to move around the image.
- 3** Press the W button to decrease the magnification level. Press OK button to cancel the magnification.


Note: The video clips cannot be magnified. When reviewing the video clip, a "CANNOT MAGNIFY" warning appears on the LCD monitor.

Chapter 3: Reviewing Images and Video Clips

■ Using Index Display

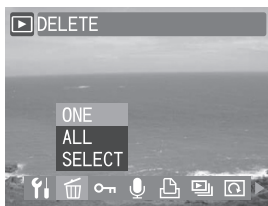
Index display allows you to view up to nine images at a time.



- 1 When reviewing the image, press W button to show the index . Up to nine images can be viewed at the same time.
- 2 Use  button to change the image selection.
- 3 Press the T button to return to single image playback.


■ Deleting Images and Video Clips


This function allows you to delete your images and video clips.



- 1** In Playback menu, select “DELETE”.
- 2** Select “ALL” to delete all images and video clips or select “ONE” to delete the displayed one. Press the OK button.
- 3** A confirmation dialogue will appear. Select “OK” and press OK button to delete images or video clips.



- 4** Select “SELECT” and a thumbnail image gallery appears. Press  button to select the image you want to delete. Press the OK button.
- 5** A confirmation dialogue appears, prompting “DELETE SELECTED IMAGES?”. Select OK and press the OK button to delete the selected image.

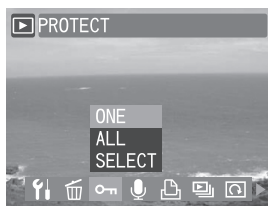
Note 1 : You can also delete a single image by pressing the SP  button without entering the menu. Select OK and press the OK button to delete the selected image.

Note 2 : If the image is protected, you must remove the protection before you can delete it. See page 46 for more details.

Chapter 3: Reviewing Images and Video Clips

■ Protecting Images and Video Clips

This function prevents images and video clips from being modified or deleted accidentally.

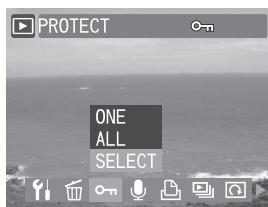



1 In Playback menu, select “PROTECT”.

2 Select “ONE” to protect the selected one or select “ALL” to protect all images or video clips. Press the OK button.



3 A protected file is indicated by the mark. Follow step 1 and 2 again and then press OK button to remove the protection.

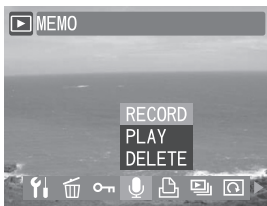


4 Select “SELECT” and a thumbnail image gallery appears. Press  button to select the image you want to protect. Press the OK button.

5 A confirmation dialogue appears, stating “IMAGES PROTECTED!”. The selected images and video clips are now protected.

■ Adding Voice Memo to a Still Image

You can add a voice memo up to around 30 seconds in length for each still image.



1 In Playback menu, select “MEMO”.

2 To record a voice memo, select “RECORD” and then press OK button.

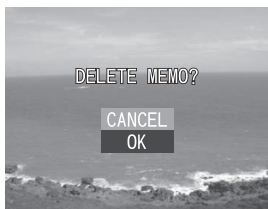


3 Press **EV** button to start recording. When the voice memo recording starts, the indicator icon on the LCD monitor changes from (green) to (red). Press **EV** button again to stop recording and return to the previous menu.



4 To play a voice memo, select “PLAY” and then press OK button. Press **EV** button to start playing. Press **EV** button again to stop playing and return to the previous menu.

Chapter 3: Reviewing Images and Video Clips



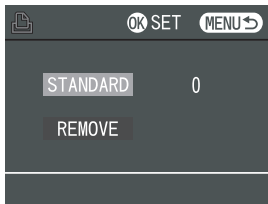
- 5** To delete a voice memo, select “DELETE” and then press OK button. A confirmation dialogue will appear. Select “OK” and press OK button to delete memo.

■ Setting DPOF

This function helps you to print out your images at a professional print service or on a DPOF (Digital Print Order Format) compatible printer directly.






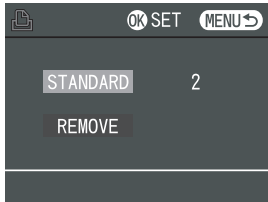
1 In Playback menu, select “DPOF”. To decide which images are to be printed and the number of copies, select “STANDARD” and then press OK button to enter the submenu.



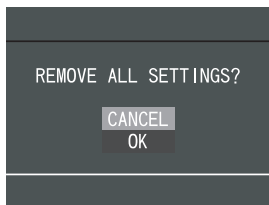
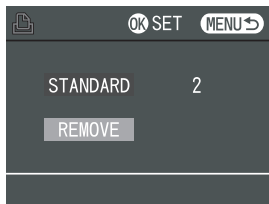
2 In the submenu, select “STANDARD” and then press OK button to start setting.




3 Use  button to select the image you want to print and use  button to specify the number of copies. After all the settings are selected, press  button to exit.




Chapter 3: Reviewing Images and Video Clips



- 4 To cancel the setting of “STANDARD”, select “REMOVE” and a confirmation dialogue will appear. Select “OK” and then press OK button to remove print settings.

- 5 To print index of images, select “INDEX” and press OK button. Use  button to select “ADD” or “REMOVE”. Press OK button to complete DPOF setting.

Note: A still image that has DPOF settings is indicated by the  mark.

■ Setting DPOF

This function helps you to print out your images at a professional print service or on a DPOF (Digital Print Order Format) compatible printer directly.



1 In Playback menu, select "SLIDE SHOW".



2 Use **EV** button to select "INTERVAL" and use **EV** button to select the interval setting (1~10sec).

Select "REPEAT" and use **EV** button to activate "REPEAT" function ("ON" or "OFF").



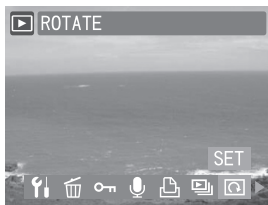
3 Press OK button to confirm the setting and start playing a slide show. Press **EV** button to stop playing or press **EV** button to return to the previous menu.



Chapter 3: Reviewing Images and Video Clips

■ Rotating the Still Images

This function allows you to rotate still images.



1 In Playback menu, select "ROTATE".



2 Press Left or Right button to rotate 90° clockwise or counterclockwise. Press OK button and return to the previous menu.

Chapter 4: Installing the Software

The software CD supplied with the camera includes the driver and the application (PhotoImpression, and VideoImpression). The application allows you to upload the images from the camera, view them, print them, and e-mail them. You must install the software before you connect the camera to computer.

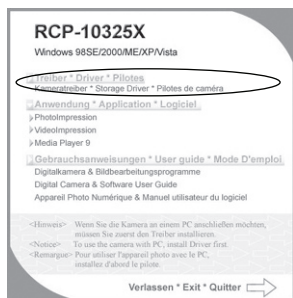
Windows System Requirements

- Windows 98SE, ME, 2000, XP, and Vista
- Pentium II processor or more
- Minimum 64MB RAM
- 200MB of available hard disk space
- 1024x768 pixels, 16-bit color monitor

Installing the Software

■ Installing the Driver

If you use Windows 98 SE as the OS in your computer, be sure to install the driver first before connecting the camera to the PC.



After you insert the CD into the CD-ROM drive, the pop-up image will appear. If the image does not appear, click “Start” and then “Run”. Type “E:\Rollei.exe”

Note: Windows ME, 2000, XP, Vista don't need the driver installed.

Chapter 4: Installing the Software

■ Installing the Application

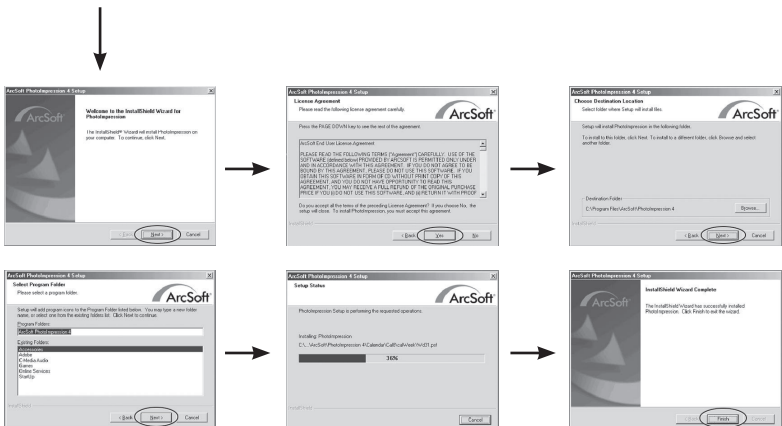


- 1 After you insert the CD into the CD-ROM drive, the pop-up image will appear. If the image does not appear, click “Start” and then “Run”. Type “E:\Rollei.exe”.

Click “Photolmpression”. The computer proceeds to install Photolmpression.



- 2 Select a language and click “OK”. Follow the on-screen instruction to continue the installation.



Note : Follow steps as PhotoImpression to install “Videolmpression” and “Media Player 9” .

Using the Application

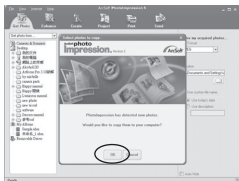
■ PhotoImpression

1 Connect the camera to the computer.
See page 57. Launch PhotoImpression.

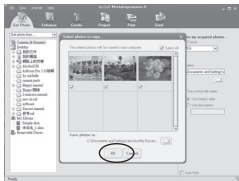
2 To download the images from the camera, select “Removable Media” .



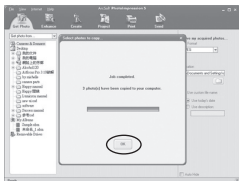
3 Press “OK” and PhotoImpression will detect new photos to your computer.



4 Press “OK” and the selected photos will be copied to your computer.



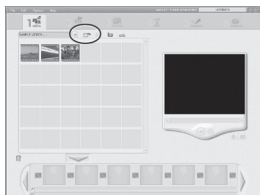
5 Job completed and press “OK”.



Chapter 4: Installing the Software

■ Videolmpression

We recommend you to install Windows Media Player 9 or later when you play back the video clip on the computer. If you use Windows XP, you also have to upgrade to Windows XP Service Pack 2(SP2). If you use Windows Vista, you might need MPEG4 codec.



- 1** Launch Videolmpression and then select "add".



- 2** Select "DCIM" to download the video clips from the camera.



- 3** Double-click to select the video clips.

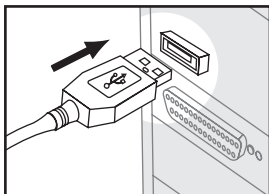


- 4** Click "Play" to play the video clips.

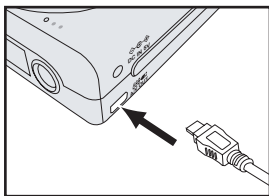
Chapter 5: Uploading, Printing & Displaying Images

After you take images, you can upload images to a computer from your camera, print them with a printer, and display them on a TV.

Uploading to a Computer



- 1** Connect the larger end of the USB cable to the USB slot on your computer. And connect the smaller end of the USB cable to the USB connector on the camera.



- 2** The computer automatically detects the camera as a mass storage device so you can copy image files from your camera to your computer's hard drive.

Note 1: When the camera is connected to a computer, the LCD monitor is turned off.

Note 2: If you use Windows 98SE, you have to install the USB driver from the software CD-ROM.

Chapter 5: Uploading, Printing & Displaying Images

Printing Images

There are three printing methods you can use to print out selected images. This camera supports direct printing, Digital Print Order Format (DPOF), and PictBridge. Direct printing allows you to print out images by connecting the camera directly to some specific printers to print your favorite images. Both DPOF and PictBridge printing function need a printer that supports these functions.

- **Printing with DPOF and PictBridge compatible printers**

The camera's DPOF feature allows you to specify which images you want to print and how many copies of each you want. After you specify your printing preference on the camera, then you can remove the memory card from the camera and plug into a printer that supports DPOF, or connect the camera through the USB cable to a PictBridge compatible printer for printing. See page 49 for DPOF settings and page 68 for PictBridge settings.

- **Printing with a Computer**

After uploading the images to a computer by the USB cable, you can print images by using the software supplied with the camera. See page 53 on how to Install the software.

- **Professional Print Service**

Specify your printing preference by using the DPOF function in the camera, then simply take the memory card to a professional print service where they will print your images in accordance with your specifications. See page 49 for DPOF settings.

Note 1 : You cannot print videos.

Note 2 : See the document that comes with your printer for information about print quality and paper settings.

Note 3 : Contact your printer manufacturer for information about models that support PictBridge function.

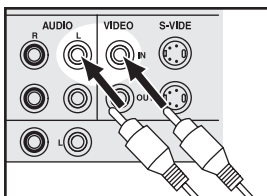
Note 4 : Never disconnect the USB cable, or perform any camera operation while printing is in progress. Doing so may cause printing errors.

Displaying Images on a TV

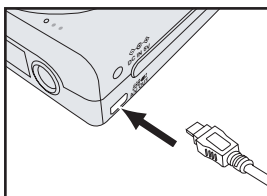
By connecting your camera to a TV, you can view images as a slide show and play video clips.



1 Select a compatible TV system in “SETUP” menu.



2 Connect the A/V (Audio/Video) cable to the A/V inputs of the TV, and connect the A/V cable to the A/V connector of the camera.






Note 1: When you connect your camera to a TV, the LCD monitor turns off automatically.

Note 2: The audio terminal is white and the video terminal is yellow.

Chapter 6: Adjusting the Camera Settings

Using the Setup Menu

- 1 In Capture, Video or Playback menu, use  button to select “Setup” and press OK button to enter the menu.
- 2 Scroll through the menu by using  button and use EV button to highlight the option you want to select.

■ Setting Language

This function allows you to change the language.




- 1 In Setup menu, select “LANGUAGE”.
- 2 Select the language you want from the list and press OK button to confirm the setting.

■ Setting Date/Time

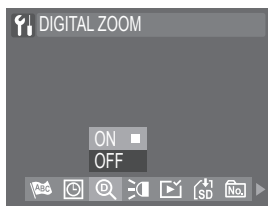
This function allows you to change the date and time.



- 1 In Setup menu, select “DATE/TIME”.
- 2 Press EV button to make adjustments to each field. Press the OK button to confirm all settings.

■ Setting Digital Zoom

This function allows you to activate digital zoom function.

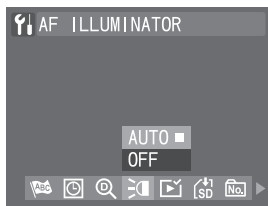


1 In Setup menu, select “DIGITAL ZOOM”.

2 Select “ON” or “OFF”. Press OK button to confirm the setting.

■ Setting AF Illuminator

This function allows you to turn on or off the AF illuminator at the front of the camera. Turn on this function to aid focusing in low-light situations. Turn off this function if you are capturing an image, which may be distracted by the illuminator (wildlife, for example).



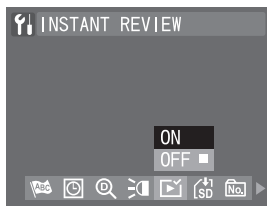
1 In Setup menu, select “AF ILLUMINATOR”.

2 Select “AUTO” or “OFF”. Press OK button to confirm the setting.

Chapter 6: Adjusting the Camera Settings

■ Setting Instant Review

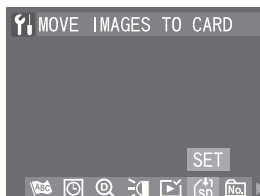
This function allows you to review the image for 3 seconds after taking a image.



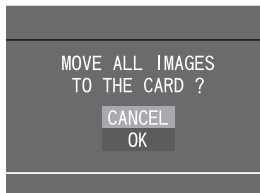
- 1 In Setup menu, select “INSTANT REVIEW”.
- 2 Select “ON” or “OFF”. Press OK button to confirm the setting.

■ Moving Images to Card

This function allows you to move images stored on the internal memory to your memory card.



- 1 In Setup menu, select “MOVE IMAGES TO CARD” and then press OK button.

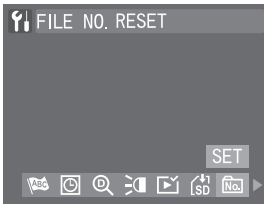


- 2 A confirmation dialogue will appear. Select “OK” and press OK button to move images to card.

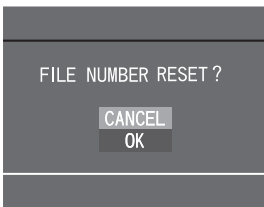
Note: If the camera does not respond when you select the “Move Images to Card” function, either the memory card is not inserted or the card may be broken or locked.

■ Resetting the File Number

This function allows you to reset the file numbers assigned to each image or file.



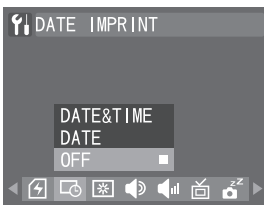
1 In Setup menu, select “FILE NO. RESET” and then press OK button.



2 A confirmation dialogue will appear. Select “OK” and press OK button to reset.

■ Imprinting the Date and Time

When printing out or displaying images, you can decide whether to imprint the date and time on the images or not.



1 In Setup menu, select “DATE IMPRINT”.

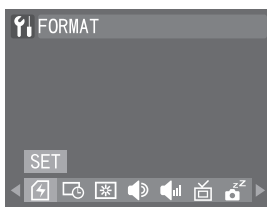
2 Select “DATE & TIME”, “DATE” or “OFF”. Press OK button to confirm the setting.

Chapter 6: Adjusting the Camera Settings

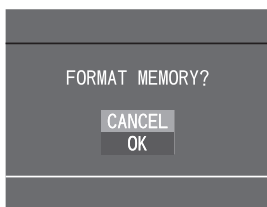
Setting	Function
DATE & TIME	The image is printed with the date and time it was taken.
DATE	The image is printed with the date it was taken.
OFF	The image is printed without the date or time.

■ Formatting the Memory

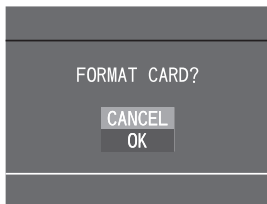
This function allows you to delete all of the images, data, information, and folders in your memory card or internal memory.



1 In Setup menu, select “FORMAT” and then press OK button.



2 A confirmation dialogue will appear. Select “OK” and press OK button to format.



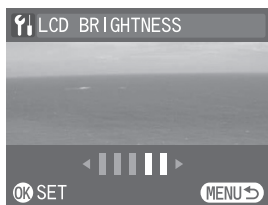
Note: If a memory card is inserted, a “FORMAT CARD?” prompt appears. If there is no memory card inserted, a “FORMAT MOMERY?” prompt appears.


■ Setting LCD Brightness

This function allows you to adjust the brightness of the LCD monitor.



1 In Setup menu, select “LCD BRIGHTNESS”.

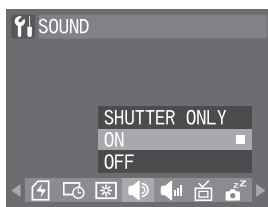


2 Use  button to adjust the brightness value. Press OK button to confirm the setting.

Note: This setting is disabled when viewing images or videos through your TV.

■ Setting Camera Sound

You can adjust the camera sound effect by setting camera sound.



1 In Setup menu, select “SOUND”.

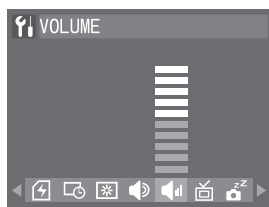
2 Select “SHUTTER ONLY”, “ON”, or “OFF”. Press OK button to confirm the setting.

Chapter 6: Adjusting the Camera Settings

Setting	Function
SHUTTER ONLY	All sound is off apart from a shutter sound when an image is taken.
ON	All camera sounds are turned on.
OFF	All camera sounds are turned off.

■ Setting Camera Volume

This function allows you to adjust the volume.



1 In Setup menu, select “VOLUME”.

2 Use **EV** button to increase or decrease the volume. Press the OK button to confirm all settings.

■ Setting TV System

Both NTSC and PAL are TV broadcast systems. The NTSC system is used mainly in the USA, Japan, Canada, Mexico, the Philippines, Korea and Taiwan. The PAL system is used in western European countries such as Germany, the UK, Switzerland, Holland, Italy (except for France) and Australia, Singapore, Thailand and China. As these systems are not compatible, you cannot watch an NTSC system based TV in an area where the PAL system is used.

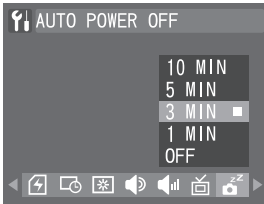


1 In Setup menu, select “VIDEO OUT”.

2 Select “NTSC” or “PAL”. Press the OK button to confirm all settings.

■ Setting Auto Power Off

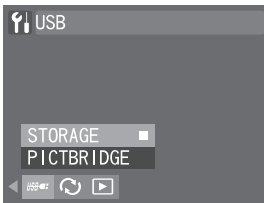
To save battery power, you can set the camera to turn off automatically when it is not in use for a fixed time.



- 1** In Setup menu, select “AUTO POWER OFF”.
- 2** Select “10 MIN”, “5 MIN”, “3 MIN”, “1 MIN” or “OFF”. Press the OK button to confirm all settings.

■ Changing USB Mode

You can change the USB connection mode depending on whether the camera is to be connected to a computer (STORAGE) or a printer (PICTBRIDGE).






- 1** In Setup menu, select “USB”.
- 2** Select “STORAGE” or “PICTBRIDGE”. Press the OK button to confirm all settings.

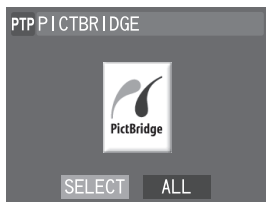
Chapter 6: Adjusting the Camera Settings

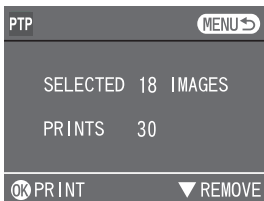
■ Using PictBridge


You can connect the camera directly to a printer that supports PictBridge, and perform image selection and printing using the camera monitor screen and controls.

PictBridge is a standard established by the Camera and Imaging Products Association (CIPA).


- 1** In “SETUP” menu, change the USB connection mode to “PICTBRIDGE”.
- 2** Use the USB cable that comes with the package to connect the camera to a PictBridge compatible printer.
- 3** Once connected, the PictBridge menu appears. Press  button to choose the option you want and press the OK button to confirm.
- 4** If you choose “SELECT”, press  to select the images you want to print. Press  to specify the number of copies. Press the OK button to confirm all settings.





- 5** The total number of images you have selected and the number of copies that you have set appear on the screen. Press the OK button to print or the  button to return to the PictBridge menu.



- 6** Select "ALL" to print all images and press the OK button. The total number of images appears on the screen. Press the OK button to print or the  button to return to the PictBridge menu.



- 7** Press the OK button to stop when the printer is start to print the images.

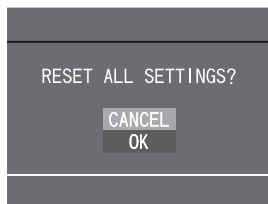
Chapter 6: Adjusting the Camera Settings

■ Resetting Your Camera

This function allows you to reset all camera settings to default.



- 1** In Setup menu, select "RESET" and press the OK button.




- 2** A confirmation dialogue appears. Select OK to reset your camera. Press the OK button to reset all settings.

Trouble Shooting

Problem	Possible Cause	Solution
The camera does not work.	The power is off.	Press the power button to turn it on.
	The battery is inserted incorrectly.	Reload the battery correctly.
	The battery power is low or drained.	Replace battery with a new one or charge the battery. See Page 12.
The image can not be taken when I press the shutter release button.	The camera is not in capture mode.	Press the mode switch to capture mode.
	You did not press the shutter release button down enough.	Press the shutter release button down fully.
	The memory card is full.	Replace with another memory card, upload the images to a computer or delete the images.
	The camera is still saving the last image you took.	Wait until image storing of the camera is finished.
	The flash is still recharging.	Wait for a few seconds until the recharging is completed.
	The battery power is low.	Replace battery with a new one or charge the battery. See Page 12.
	You did not insert a memory card.	Insert a memory card.
The flash does not fire.	The battery power is low.	Replace battery with a new one or charge the battery. See Page 12.
	The flash is off.	Switch to other flash mode.


Trouble Shooting

Problem	Possible Cause	Solution
The images are blurry.	The camera is moving when you press the shutter release button.	Hold the camera steady or use a tripod when taking images.
	The focus brackets are not positioned on the subject.	Position the focus brackets on your subject.
	Use macro mode to shoot subjects within normal focus, or vice versa.	Set the camera to shoot in normal focus or macro focus and then take the image again.
	The light is dim and the flash is off.	Use a tripod and turn on the flash.
	The lens is dirty.	Gently clean the lens.
The images are too bright.	The flash is on when the subject is bright enough.	Turn off the flash.
	The camera is too close to the subject when taking images with the flash on.	Move back from the subject and take the image again.
	Light sources other than the flash provide too much light.	Avoid pointing the camera at bright light sources and use exposure compensation.
The images are too dark.	The flash is off and the subject is in dark.	Turn on the flash.
	The flash is on but the subject is not within the effective range of the flash.	Move closer to the subject (The effective range of flash is 1.8M~2.5M).
The camera can not playback.	The camera is not in the playback mode.	Press  to switch to playback mode.
No sound in playback mode.	The volume is too low.	Adjust the volume. See page 66.

Warning Indicators and Messages

	When ...	Solution
Date/Time has been lost. Please reset it	The system detects that the camera has lost date/time after you turn it on.	Reset the date/time. See page 60.
Card locked!	Memory card is locked.	Slide the switch on the memory card to unlock.
Change battery!	Battery is empty. It will turn off automatically after 2 seconds.	Replace battery with a new one or charge the battery. See Page 12.
Memory full! (Card full!)	There is insufficient room to save more images in internal memory or on the memory card that is inserted.	Replace another memory card or erase unwanted images. Before erasing, upload all the images to a computer.
Memory error! (Card error!)	Some problem occurred with the memory card or internal memory.	Turn off the camera. Remove and then insert the memory card again. If the same message appears, format the memory. See page 64.
No image	There are no images recorded in internal memory or on the memory card.	---
Image protected (All images protected).	You attempted to erase the protected images.	You have to remove the protection first and then delete it.
Cannot be effected	The function you attempted to perform can not be effected for the selected image was in playback mode.	---

Warning Indicators and Messages

	When ...	Solution
Not support!	The selected image cannot be displayed for playback due to an unsupported type with this image.	Ensure that images are the proper type for your camera.
Image error! ERR!	The selected image cannot be displayed for playback due to a problem with this image.	Use image processing software to view the image on a computer. If that cannot be done, the image is damaged.
Cannot magnify!	You attempted to magnify a video clip.	Magnification does not work with video clips.
Format fail!	Failed to format.	---
System error!	Error has occurred in the camera system.	Turn the camera off, remove and reinsert the battery, and turn the camera on. If the same message appears, contact your retailer.
	The camera is saving data or turning off.	Wait a few seconds for the camera to finish saving or turning off.

Specifications

Image Sensor

- 1/1.8 inch-type CCD
- 10 Mega pixels

LCD Monitor

- 2.5"

Lens

- Focal length f=7.55-21.16mm (35mm film equivalent : 35 - 105mm)
- Aperture range F 2.84 (Wide) - F 5.1 (Tele)

Focusing

- Distance Wide : 0.5m-infinity
- Macro 0.1m - 0.6m (wide); 0.5m - 1m (tele)

Digital Zoom

- 8.0 x

Shutter Speed

- 2-1/2000

Exposure

- Exposure Compensation +/- 2.0 Ev (1/3 Ev Step)

Sensitivity

- ISO equivalent approximately 80, 100, 200, 400, 800, 1000 or Auto

Self timer

- 2, 5, 10sec selectable

Built-in Flash

- Auto control built-in type
- Range Wide: 2.5m
 Tele: 1.8m

Specifications

Storage

- Internal memory About 32 MB
- External memory SD card (Max. card size : 2GB)
- File format Still image : JPEG (DCF), Exif 2.2, DPOF 1.1, PictBridge
Video clip : ASF (MPEG-4) ; Audio : WAV
- Image Size 3680x2760 [10M], 3296x2472 [8M],
2816x2112 [6M], 2560x1920 [5M],
2272x1704 [4M], 2048x1536 [3M],
640x480 [VGA]

I/O External

- DC input DC 5V adapter (regular plug)
- Video output NTSC and PAL(selectable)
- PC connection Mini-plug type USB, mini USB connector for serial cable

Power Source

- Rechargeable Li-ion battery (NP60)
- Adapter (DC 5 volt)

Dimensions

- Size (WxHxD) 93.0mm x 58.0mm x 24.2mm

System Requirements: Windows

- CPU Pentium II or more
- Memory At least 32MB
- OS Windows 98SE/ME/2000/XP/Vista
- Interface USB 1.0/1.1/2.0
- VGA color monitor
- CD-ROM

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