BenQ

DC C50
User's Manual

Welcome

Copyright

Disclaimer

Taking care of your camera

- Do not use your camera over the following environmental range: temperature: $0°C$ to $40°C$, relative humidity: 45% ~ 85%.
- Do not use or store your camera in environments listed below:
  Direct sunlight.
  High humidity and dusty places.
  Next to the air conditioner, electric heater or the other heat sources.
  In a closed car that is directly under the sun.
  Avoid shaky places.
- If your camera becomes wet, wipe it with dry cloth as soon as possible.
- Salt of seawater may cause severe camera damage.
- Do not use organic solvents, such as alcohol, etc., to clean your camera.
- If the lens or viewfinder is dirty, please use the lens brush or soft cloth to clean the lens. Do not touch the lens with your fingers.
- To prevent electrical shock, do not attempt to disassemble or repair your camera by yourself.
- Water may cause a fire or electric shock. Therefore, please store your camera in a dry place.
- Do not use your camera outdoors when it is raining or snowing.
- Do not use your camera in the water.
- If the foreign substance or water gets in your camera, please tum the power off immediately and disconnect the batteries and the transformer. Remove the foreign substance or water, and send it to the maintenance center.
- Transfer the data to the computer as soon as possible to avoid losing your image data.

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① TOURING YOUR DC C50

1.1. Checking package contents

The package should include the following items:

- DC C50 digital camera
- Lithium-ion Battery (rechargable)
- SD Memory Card
- AC power adapter
- Camera pouch
- Hand Strap
- AV cable
- USB cable
- User's manual
- DC C50 software CD-ROM

1.2. Parts of the DC C50 and their names

1.2.1. Front View
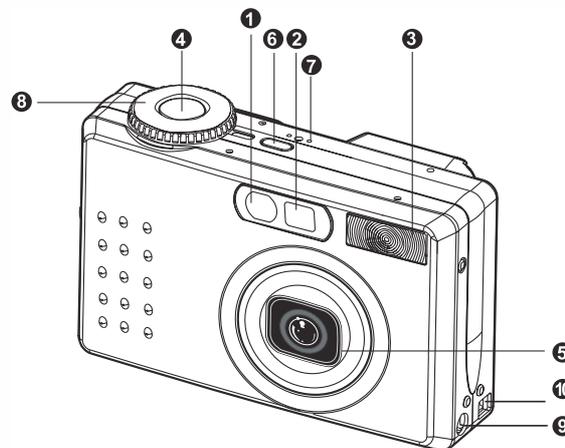
1. Self-timer/AF support LED
2. Optical viewfinder
3. Built-in flash
4. Shutter button
5. Lens/lens cover
6. **POWER**-Power button
7. **MIC**-Microphone
8. Mode dial
9. DC IN 5V terminal
10. USB/A/V OUT terminal

1   Touring your DC C50

1.2.2. Rear View

Rear Buttons:

1. ▲ - Arrow button (up)
   ♣ / ▲ - Focus button/macro
2. ◀ - Arrow button (left)
   ⊡ / ⊠ - Exp./back light
3. **SET** - Set button
4. ▶ - Arrow button (right)
   ϟ/◉ - Flash button
5. ▼ - Arrow button (down)
   ♺/**INT.** - Self-timer button/interval
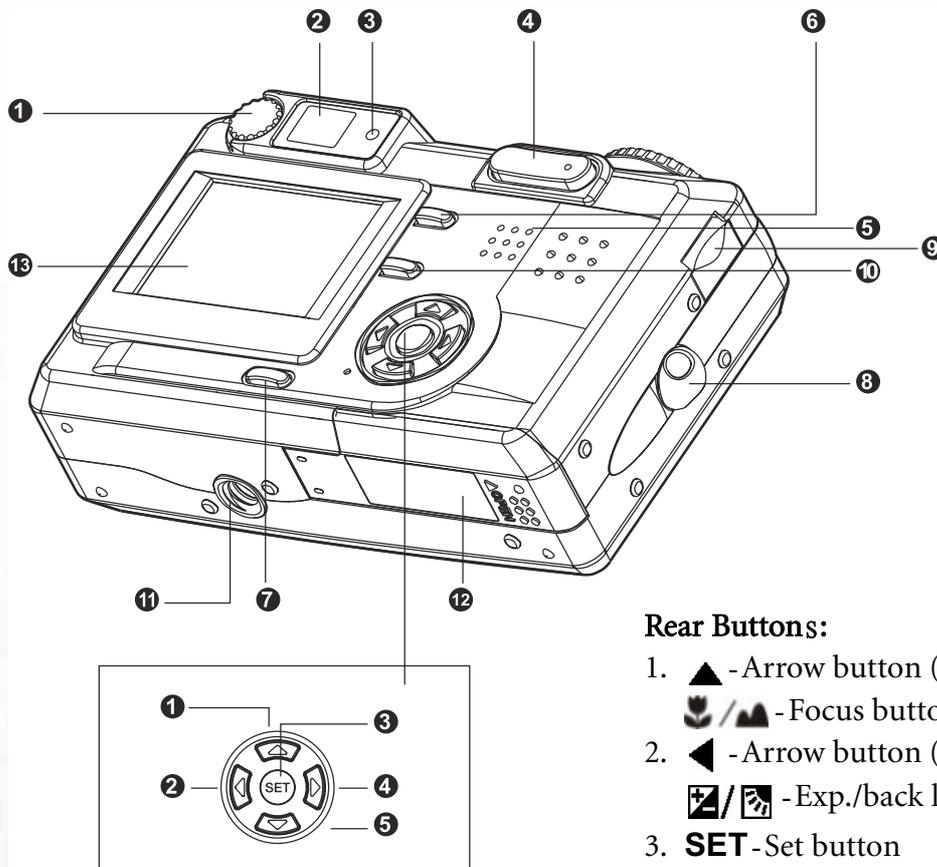
1. Diopter adjustment dial
2. Viewfinder
3. Viewfinder LED
4. ⊖ / ⊕ Zoom button
5. Speaker
6. **MENU** - Menu button
7. LCD - Display button
8. Strap attachment
9. Command dial
10. 🗑 - Delete button
11. Tripod socket
12. Battery/ SD Memory Card cover
13. LCD monitor

Touring your DC C50   2

1.2.3. Mode Dial

Mode Dial
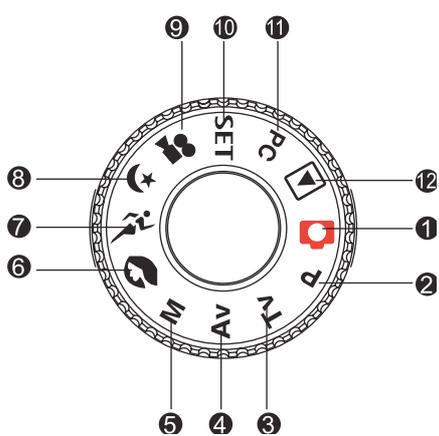
1. ⬛ : Auto mode
2. **P** : Program mode
3. **TV** : TV (Shutter Speed priority)
4. **AV** : AV (Aperture priority)
5. **M** : Manual mode
6. 🂾 : Portrait mode
7. 🏃 : Sports mode
8. 🌙 : Night scene mode
9. 🎥 : Movie mode
10. **SET** : Set-up mode
11. **PC** : PC mode
12. ▶ : Playback mode

1.2.4. Viewfinder LED Indicator

Color	State	Description			
		Photography Mode	Setup Mode Charge Mode	PC Mode	Battery
Green	On	AE or AF is locked with the Shutter button held half down.	In standby mode.	In communication to PC. (SD Memory Card is inserted.)	Under charging
Red	On	Writinr to SD Memory Card in progress.	Accessing of SD Memory Card in progress.	In connecting to PC. (SD Memory Card is inserted.)	Error
	Flashing	When the image is not in focus.	------	------	Interval timer standing by
Orange	On	Processing images Charging of flash in progress	------	Disconnection (SD Memory Card is inserted.)	No battery
	Flashing	Hardware malfunction		SD Memory Card is not inserted.	------

3   Touring your DC C50

2 PREPARING YOUR DC C50 FOR USING

You can use a Lithium Ion battery to power on the camera. Battery power is convenient for capturing images or video clips.

2.1. Loading the battery

1. Make sure the camera power is off.
2. Open the battery/SD Memory Card cover.
3. Insert the battery in the correct orientation shown.
   - Tilt the battery lock lever toward the strap attachment and then insert the battery following the orientation of the arrow on the batteryís label.
   - Insert the battery as far as it can go.
4. Close the battery/SD Memory Card cover.
   - To remove the battery:
     Open the battery/SD Memory Card cover and then release the battery lock lever. After the battery is slightly ejected, pull out the battery slowly.
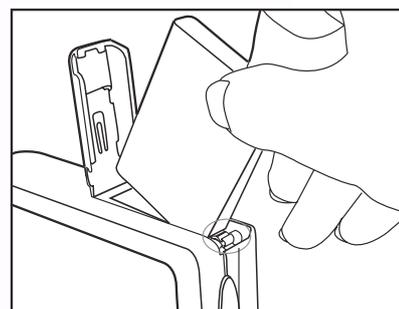
Battery lock lever

Note

- Use only the specified battery type (Lithium Ion).
- If you are not going to use the battery for an extended period of time, remove it from the camera to prevent leakage or corrosion.
- Avoid using battery in extremely cold environments as low temperatures can shorten the battery life and reduce the camera performance.

2.2. Using an AC Power Adapter:

1. Make sure the camera power is off.
2. Connect one end of the AC power adapter to the DC IN 5V terminal.
3. Connect the other end of the AC power adapter to a power outlet.
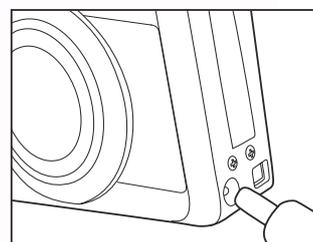
Note

- Make sure to use only the AC power adapter specified for the camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- Using an AC power adapter while transferring images to your computer in order to prevent unexpected automatic power off of the camera.

2.3. How to charge the Battery:

1. Make sure the camera power is off.
2. Slide the battery/SD Memory Card cover into the direction of the [OPEN] arrow.
3. Insert the battery, noting correct polarity (+ and -).
4. Slide the battery lock lever to adjust the battery.
5. Close the battery/SD Memory Card cover firmly.
6. Connect one end of the AC power adapter to the DC IN 5V terminal.
7. Connect the other end of the AC power adapter to a power outlet.
   Charging start: Green indicator
   Charging end: Indicator off
   Stand by: Orange indicator
   Replace a new battery: Red indicator

Note
- Make sure to use only the AC power adapter specified for the camera. Damage caused by the use of an incorrect adapter is not covered under the warranty.
- When the charging is not started even if proceeding the operation above. Press power button on at any mode after LCD indication appears, then turn the power off.
- Do not place the camera in hot temperature. Use it at room temperature.

2.4. Loadig an SD Memory Card:

All images and video clips taken by the camera can be stored in an SD (Secure Digital) Memory Card. Even if the cameraís power is OFF, the images saved in the SD Memory Card are not erased. An SD Memory Card can be repeated read and written.

1. Make sure the camera is off.
2. Slide the battery/SD Memory Card cover in the direction of the [OPEN] arrow.
3. Insert an SD Memory Card :
   - The front side of the memory card(printed arrow) should face towards the front side of the camera.
   - If the card cannot be inserted, check the orientation.
4. Close the battery/SD Memory Card cover.
   - To remove the SD Memory Card, make sure the camera is off. Open the battery/SD Memory Card card cover. Press lightly on the edge of the memory card and it will eject.
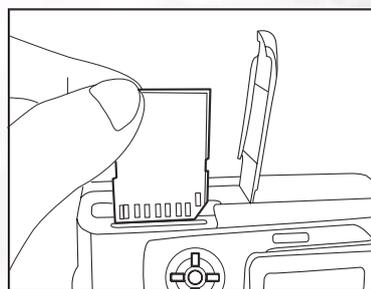
Note

- If the camera is powered-on without the card, the "NO CARD" message appears on the LCD monitor.
- To prevent valuable data from being accidentally erased from an SD Memory Card you can slide the write-protected tab (on the side of the SD Memory Card) to "LOCK".

Write-protect tab   Write-protection state

- To save, edit or erase data on an SD Memory Card, you must unlock the card.
- MMC Card can not be accepted to use.
- Please format an SD Memory Card by this camera before use.
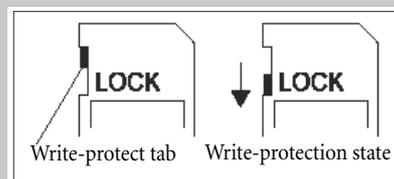
2.5. Attaching the Strap:

To prevent accidental slippage during the use, always use the strap.
Attach the hand strap as follows:

1. Thread the small loop of the hand strap through the strap eyelet on the camera.
2. Pull the large loop through the small loop until the strap is firmly secured.
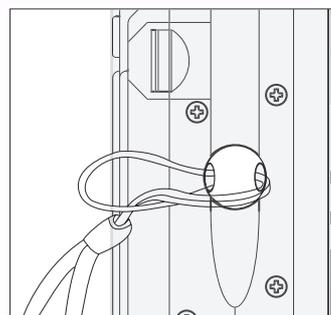
③ USING THE DC C50

This section describes the ten modes included in this camera. An in-depth coverage of these modes will be further described. Here are the ten main functions of this camera:

Working Mode

3.1. Auto Capture Mode [📷]

3.1.1. Compose the pictures

Your camera provides a single image capturing, continuous image capturing and auto exposure bracketing capturing. It is equipped with both an optical viewfinder and a 1.5" full color TFT LCD monitor to compose images. Taking images by using the optical viewfinder will conserve more battery power. The LCD monitor can help you accurately compose the pictures and examine all details. However, this may also consume you more battery power.

1. Turn the camera on by pressing the POWER button.
2. Set the mode dial to [📷].
3. Compose your shot in the viewfinder.
   • Turn the ìdiopter adjustment dialî until the image appears clearly within the viewfinder.
4. Press the shutter button down halfway, then press it down fully.
   • The viewfinder LED indicator lights red while the camera is processing a captured image.
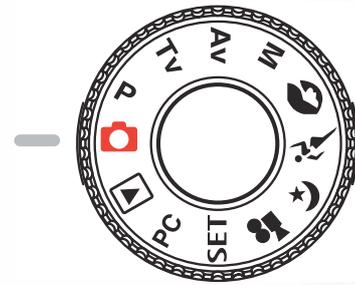
Note
• Voice memo is starting to record at still image capture mode just after the photograph is taken in case of activating this function. It provides 10seconds for recording and only can be done once . To terminate recording,press the shutter button down fully.

Diopter adjustment dial
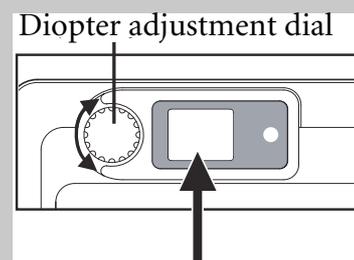
■ Using the LCD monitor

1. Compose the picture in the LCD monitor.
2. Press the shutter button down halfway (the camera adjusts the exposure and the focus), then press it down fully.
   - The viewfinder LED indicator lights red while the camera is processing a captured image.

Zoom state   Voice icon

Mode dial setting — Battery condition

Macro — Flash light status

Focus area — Picture size
— Picture quality

Backlight conpensation — Self-timer

Slow shutter speed — Possible number of shots
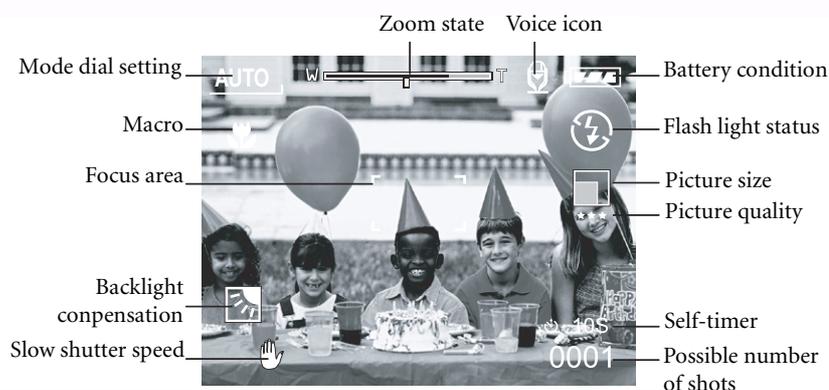
■ LCD Monitor Display (Capture Mode)

The [LCD] Display button can select display format. Whether in "Still Image" or "Movie"mode, preview image with full OSD is displayed.

OSD (on-screen-display) full display ⟶ OSD display OFF ⟶ LCD monitor OFF
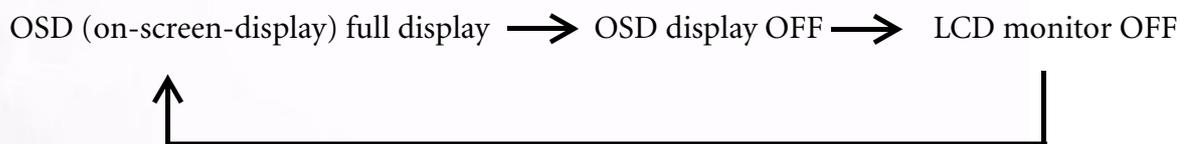
Note
- The image in the LCD monitor darkens in strong sunlight or bright light. This is not a malfunction.
- Using the LCD monitor for an extended period of time will decrease the number of images you can take. To increase the shots and conserve battery power, it is recommended to turn the LCD monitor off and use the viewfinder instead.

3.1.2. Using the Optical Zoom

The lens moves during the zoom photography. Zoom photography allows you to take telephoto and wide-angle shots. The subject appears closer by pressing the [🔍]button and appears farther away by pressing the [🔍] button.

1. Set the mode dial to one of [📷], [**P**], [**TV**], [**AV**], [**M**], [🔍], [🏃], [✹] , [🎥] and power on the camera.
2. If required,turn on the LCD monitor by pressing the [LCD]button.
3. Compose the picture by using the [🔍]/[🔍] button.
   • Pressing the [🔍]button zooms in on the subject, and enlarges the subject on the LCD monitor.
   • Pressing the [🔍]button provides a wider angle picture.The lens position moves according to the zoom button setting.
4. Press the shutter button down halfway, then press it down fully.
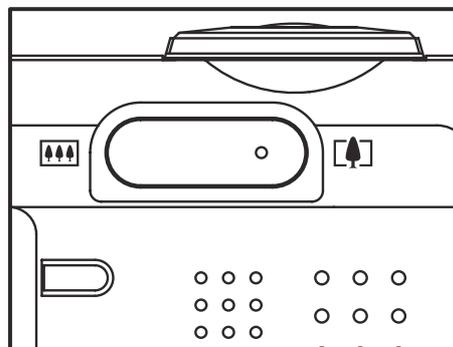
3.1.3. Using the Digital Zoom

By using the digital zoom, images can be enlarged so that the subject appears closer. However, the more the image is enlarged, the grainer the image will become. The digital zoom function is only available when you set the LCD monitor and the digital zoom to ON. To capture a digitally zoomed image, perform the following steps:

1. Set the mode dial to one of [📷], [**P**], [**TV**], [**AV**], [**M**], [🔍], [🏃], [✹] , [🎥] and power on the camera.
2. If required,turn on the LCD monitor by pressing the [LCD]button.
3. To enable the digital zoom is as follows:
   a. Press the **MENU** button.
   b. Press the ◀ or ▶ button to select **Function** page.
   c. Press the ▲ or ▼ button to select **Digital Zoom**, and press the **SET** button.
   d. Press the ▲ or ▼ button again to select **ON**, and press the **SET** button.
   e. Press the **MENU** button.
   f. To activate the digital zoom, press the [🔍] button completely and hold it until the image on the **LCD** monitor expands.
4. Press the shutter button to capture a "zoomed" image.

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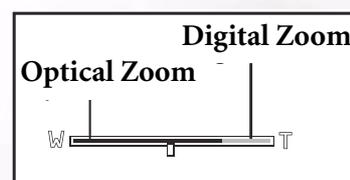
Note

- The camera has 1X to 3X optical zoom and 1X to 4.0X electrical zoom function.
- Digital zoom function is terminated when user selects LCD off mode.

3.1.4. Using the Self-timer

The [🕐/INT.] self-timer button can select the capturing mode between "OFF" (default) and "Self timer (2 sec., 10 sec., 10+2 sec. or Interval)".

[2 sec.]	The camera automatically takes a picture after two seconds delay.
[10 sec.]	The camera automatically takes a picture after ten seconds delay.
[10+2 sec.]	The camera automatically takes a picture after ten seconds delay, and takes again after two seconds. In case of flash light capacitor is not charged up, the second take can be done at two second after charged.
[Interval]	The camera automatically takes a picture every preset time till media full or battery empty.

To activate the self-timer by pressing the shutter button. After selecting this mode, self-timer icon displays on LCD monitor and then LED on the front panel blinks fast for the last 3 seconds. Using the self-timer allows you to get into the scene when taking group images.

1. Secure the camera to a tripod or place it on a stable surface.
2. Set the mode dial to one of [📷], [**P**], [**TV**], [**AV**],
    [**M**], [🗻], [🏃], [✹] , [🎥] and power on the camera.
3. Press the [🕐/INT.] button.

    - When you toggle the self-timer button, the following are displayed in the accordingly order:

    Off ➔ 10 sec ➔ 2 sec ➔ 10+2 sec ➔ Interval
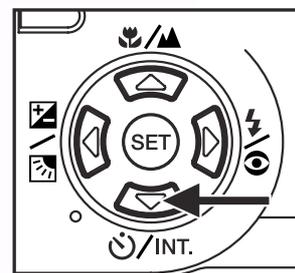
4. Compose the picture.
5. Press the shutter button down halfway, then press it down fully.
    - The self-timer function is activated.The photograph is then taken after the preset time.
    - When the photographs are taken using the LCD monitor, the count down is displayed.

Note

- After an image is taken using self-timer, the self-timer mode is turned off.
- The self-timer is not possible in the continuous capture mode.
- The self-timer is only available for 2 or 10 seconds delay at [🎥] mode. The camera automatically starts to recording after 2 or 10 seconds.

3.1.5. Using the Flash

The flash is designed to function automatically when lighting conditions warrant the use of flash. You can take an image using a suitable flash mode to your circumstances. If you change the flash mode, the camera will retain that setting even if the camera is turned off.

1. Set the mode dial to one of [📷], [**P**], [**TV**], [**AV**], [**M**] and power on the camera.

2. Press the [⚡/☉] button repeatedly until your desired flash mode appears.
   - When you toggle the flash button at [📷] mode, the available flash modes are displayed in the following order:
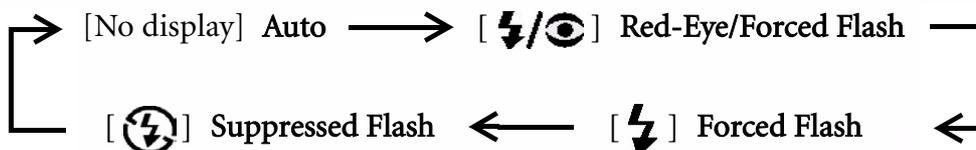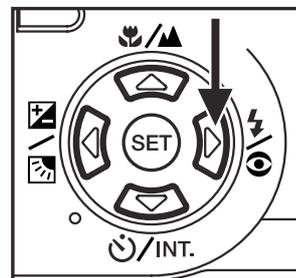
   [No display] Auto ⟶ [⚡/☉] Red-Eye/Forced Flash

   [🚫⚡] Suppressed Flash ⟵ [⚡] Forced Flash

3. Compose the picture and press the shutter button down halfway, then press it down fully.

> **Note**
> - After flash fires, it takes approximately 5 seconds to 10 seconds to be ready for the next shot during solid orange indicator.

The camera has FOUR flash modes: Auto, Red-Eye Reduction, Forced Flash and Flash Off. The table below will help you to choose the appropriate flash mode:

Icon	Flash Mode	Description
[ ]	Auto Flash	The flash fires automatically according to the ambient lighting conditions.
[⚡/☉]	Red-Eye Reduction (With auto-flash except to [**TV**][**AV**],[**M**])	Select this mode for general photography. The flash emits a precursor-flash before except the main flash fires. This causes the pupil in the human eyes to contract, reducing the red-eye phenomenon. Select this mode when taking images of people and animals in low-light conditions.
[⚡]	Forced Flash	The flash will always fire regardless of the surrounding brightness. Select this mode for recording images with high contrast (back lighting) and deep shadows.
[🚫⚡]	Flash Off	The flash will not fire. Select this mode when taking images in a place where flash photography is prohibited, or when the distance to the subject is beyond the effective range of the flash.

> **Note**
> - Auto flash can only be set at [📷] mode. It can not be set at [**M**], [**P**], [**TV**] and [**AV**] modes.
> - In the [👤] Portrait mode, flash setting is fixed to Red-Eye Reduction mode automatically.
> - In the [🏃] Sports mode, flash setting is fixed to [🚫⚡].
> - In the [🌃] Night scene mode, flash setting is fixed to [⚡] except [⛰] Focus mode

3.1.6. Changing the Focus

1. Set the mode dial to one of [🔴], [**P**], [**TV**], [**AV**],
   [**M**], [🌃], [🏃], [🌙] , [🎥] and power on the camera.

2. Toggle the [🌷 / ⛰] Focus button.
   The selected focus mode is displayed on the LCD monitor.

[no indication]:	Normal Auto Focus (0.8m to infinity).
[🌷]:	Macro Auto Focus (0.09m to infinity/Wide, 0.3m to infinity/Tele).
[⛰]:	The camera will focus on the subjects in a distance of infinity to take photos.
[3m]:	The camera will focus on subjects in a distance of 3m to take photos.
[1m]:	The camera will focus on subjects in a distance of 1m to take photos.

3. Compose the picture.

4. Press the shutter down halfway, then press it down fully.
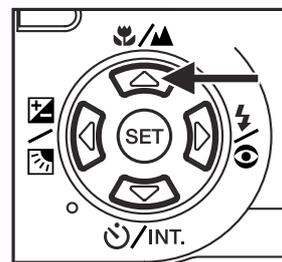
Note

• When shooting a close-up in Macro mode, use the LCD monitor to compose your shot, avoiding the off-center parallax phenomenon.

• There is not a distinct point (subject range) at which Normal mode is favored over Macro mode; take in image in both optical modes and compare the results.

• After a Macro shot is taken DO NOT FORGET to reset the lens to the normal position.

3.1.7. Changing the Exposure Compensation

This setting [⊞/⊠] allows you to intentionally lighten or darken the entire image. Use this setting when the optimum brightness (exposure) cannot be obtained, for example, when the brightness between the subject and the background is not balanced or when the subject to photograph occupies only an extremely small part of the screen.

The [⊞/⊠] Exposure Compensation button can select "Normal capturing mode", "Backlight compensation capturing mode" and "Exposure compensation adjusting mode" cycling.

1. Set the mode dial to one of [**P**], [**TV**], [**AV**] and power on the camera.
2. Toggle the [⊞/⊠] button to select exposure compensation mode or backlight compensation mode.
3. When exposure compensation mode is seleced, rotate the Command dial to adjust the exposure, and press the [⊞/⊠] button again to confirm.
   - Rotate the Command dial to counter clockwise direction to decrease (darken) exposure, and rotate the Command dial to clockwise direction to increase (brighten) exposure.
4. Compose the picture, press the shutter button down halfway, and press it down fully.

Backlight compensation

Exposure compensation

Effective Subjects and Set Values

■ Positive (+) Compensation
   - Copying of printed text (black characters on white paper)
   - Backlit portraits
   - Very bright scenes (such as snowfields) and highly reflective subjects
   - Shots made up predominantly of sky

■ Negative (-) Compensation
   - Spotlit subjects, particularly against dark backgrounds
   - Copying of printed text (white characters on black paper)
   - Scenes with low reflectivity, such as shots of green or dark foliage

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• While selecting "Backlight compensation capturing mode" , the EV value sets to +1.3 EV automatically and setting of exposure compensation value is ignored.

• In "Exposure compensation", the default value is "0.0EV". The setting range is as follows: -2.0 / -1.7 / -1.3 / -1.0 /- 0.7 / -0.3 / 0 (default) / +0.3 / +0.7/ +1.0 / +1.3 / +1.7 / +2.0

• Exposure Compensation cannot be set at [📷] mode.

• The ideal brightness sometimes cannot be obtained even if a large exposure value is set in dark photographic conditions.
In this case, press the shutter button, and check the brightness in the preview image (photographed still image).

3.1.8. Capture Mode Setup

This menu is for setting the basic setting to be used for photography in the [📷], [**P**], [**TV**], [**AV**], [**M**], [🏞], [🏃], [🌙] , [🎥]photography modes.

1. Set the mode dial to one of [📷], [**P**], [**TV**], [**AV**], [**M**], [🏞], [🏃], [🌙] , [🎥] and power on the camera.

2. Press the **MENU** button.
   ∎ The menu screen is displayed.

3. Use the ◀ or ▶ button to select the menu page.

4. Use the ▲ or ▼ button to select the desired item and press the **SET** button.
   ∎ The options are displayed.

5. Use the ▲ or ▼ button to select the desired setting and press the **SET** button.
   ∎ This saves the settings, and returns the display to menu screen.

6. To exit the menu screen, press the **MENU** button.
   ∎ The camera is now ready to take photographs.

Picture	Function	AE/AWB
Size		2560 x1920
Quality		Fine
Sharpness		Normal
Contrast		Normal
Color		Sepia

Menu:Exit ◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item

3.1.8.1. Picture Setting

The Picture Setting contains 5 items: Size, Quality, Sharpness, Contrast and Color.

■ Size

Set the desired image size.
[2560 x 1920]: 2560 x 1920 pixels
[2048 x 1536]: 2048 x 1536 pixels
[1280 x 960]: 1280 x 960 pixels
[640 x 480]: 640 x 480 pixels

```
Picture      Function   AE/AWB
Size              2560 x1920
Quality           2048 x 1536
Sharpness         1280 x960
Contrast          640x480
Color             Sepia

Menu:Exit  ◄ or ▶  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```
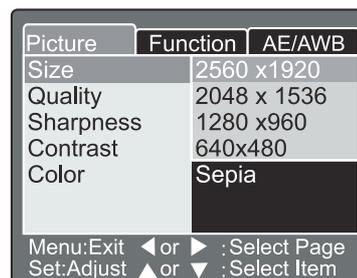
Note
• In the [🎥] mode, image size available in this setting is 320 x 240 pixels and 160 x 120 pixels.

■ Quality

Set the quality (compression ratio) sharpness at which the image is to be recorded.

```
Picture      Function   AE/AWB
Size              2560 x1920
Quality           Fine
Sharpness         Standard
Contrast          Economy
Color             Sepia

Menu:Exit  ◄ or ▶  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

[Fine]:	1/4compression(still image)/1/10 compression(video clip)
[Standard]:	1/8 compression(still image)/1/14 compression(video clip)
[Economy]:	1/16 compression(still image)/1/19 compression(video clip)

The tables below show the approximate number of images that can be stored on Still Image and Movie Image mode.

Still Image Mode

Quality mode (Compression Rate)	Image Size	8MB	16MB	32MB	64MB	128MB	256MB	512MB
Fine (1/4)	5M(2560 x 1920)	2	6	13	27	55	105	222
	3M(2048 x 1536)	4	10	22	46	93	177	374
	1.2M(1280 x 960)	9	20	42	86	174	331	698
	VGA(640 x 480)	31	69	145	298	602	1147	2417
Standard (1/8)	5M(2560 x 1920)	4	10	22	46	93	177	374
	3M(2048 x 1536)	8	17	36	74	150	286	604
	1.2M(1280 x 960)	15	34	72	149	301	572	1208
	VGA(640 x 480)	48	100	210	430	870	155307	3491
Economy (1/16)	5M(2560 x 1920)	9	20	42	86	174	331	698
	3M(2048 x 1536)	15	34	72	149	301	572	1208
	1.2M(1280 x 960)	28	60	126	258	522	994	2094
	VGA(640 x 480)	91	181	379	775	1566	2984	6284

Movie Image Mode

Quality mode (Compression Rate)	Image Size	Photography time (sec.)(max.)
Fine (1/10)	FULL (320 x 240)	30
	HALF (160 x 120)	90
Standard (1/14)	FULL (320 x 240)	45
	HALF (160 x 120)	120
Economy (1/19)	FULL (320 x 240)	60
	HALF (160 x 120)	180

Note
- The above data shows the standard testing results. The actual capacity varies according to the shooting conditions and settings.

■ Sharpness

Set the level of the image sharpness.

[Hard]:   Hard effect
[Normal] :   Normal sharpness (default)
[Soft]:   Soft effect

```
Picture    Function   AE/AWB
Size                  2560 x1920
Quality               Fine
Sharpness             Hard
Contrast              Normal
Color                 Soft

Menu:Exit  ◄ or ►  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

Note

- This function is not available in the [🎥] mode.

■ Contrast

Set the contrast of the image to be photographed.

[Hard]:   Hard contrast
[Normal] :   Automatic (standard)
                 setting(default)
[Soft]:   Soft contrast

```
Picture    Function   AE/AWB
Size                  2560 x1920
Quality               Fine
Sharpness             Normal
Contrast              Hard
Color                 Normal
                      Soft

Menu:Exit  ◄ or ►  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

■ Color

Set the color of the images to be photographed.

[Standard]:   Standard color (default)
[Vivid] :   Vivid color
[Sepia]:   Sepia
[Monochrome]:   Black and white

```
Picture    Function   AE/AWB
Size                  2560 x1920
Quality               Fine
Sharpness             Standard
Contrast              Vivid
Color                 Sepia
                      Monochrome

Menu:Exit  ◄ or ►  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

Using the DC C50   16

3.1.8.2. Function Setting

The Function Setting contains 6 items: Capture Mode, Voice Memo, LCD Brightness, Digital Zoom, Preview and Interval/Count.

■ Capture Mode

Set the capture mode at which the image is to be recorded.

	Picture	Function	AE/AWB
Capture Mode	Single		
Voice Memo	Continuous		
LCD Bright.	Auto Exp.		
Digital Zoom	ON		
Preview	ON		
Interval/Count	Next Menu		

Menu:Exit ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item

[Single]: 1 shot mode can be set (default).

[Continuous]: In this mode, photographs are taken continuously at a maximum speed of 0.5 second speed interval. The maximum number of photorgaphs that can be taken continuously is 3 photographs.

[Auto Exp.]: In this mode, the camera takes 3 consecutive pictures in the order of standard exposure,underexposure and overexposure compensation.
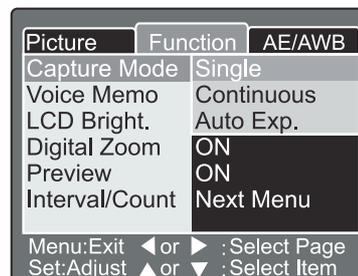
■ Voice Memo

Set the voice memo for still image. In case of activating voice memo, audio data which incoming from microphone is recorded 10 seconds at preview or playback mode.

	Picture	Function	AE/AWB
Capture Mode	Single		
Voice Memo	ON		
LCD Bright.	OFF		
Digital Zoom	ON		
Preview	ON		
Interval/Count	Next Menu		

Menu:Exit ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item

[ON]: Enable voice memo
[OFF]: Disable voice memo
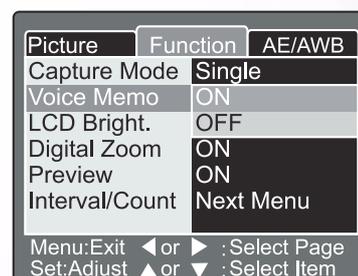
Note
• When voice memo is set to "ON", preview setting is also fixed to "ON".

■ LCD Brightness

Adjust the brightness of the LCD monitor. By selecting LCD Bright. of menu, and press the **SET** button, the LCD control mode is displayed.
Press ▼ button to darken the LCD monitor, or ▲ button to lighten the LCD monitor.
The LCD monitorís adjustment range is within -5 to +5. The default value is 0.

Picture	Function	AE/AWB
LCD Bright.		

▲
0
▼

Menu:Exit
Set:Enter ▲ or ▼ : Select
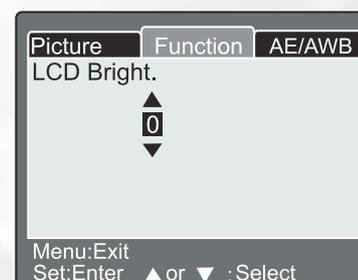
■ Digital Zoom

Enlarge the center of the screen and takes photographs with the focal distance increased by factor of 4.0.

[ON]:   Enable digital zoom photography (default).
[OFF]: Disable digital zoom photography.

```
Picture    Function    AE/AWB
Capture Mode   Single
Voice Memo     ON
LCD Bright.    +1
Digital Zoom   ON
Preview        OFF
Interval/Count Next Menu

Menu:Exit  ◄ or ►  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

■ Preview

Set to display a photographed image on the LCD monitor immediately after you have taken the shot.
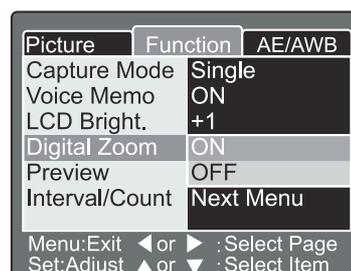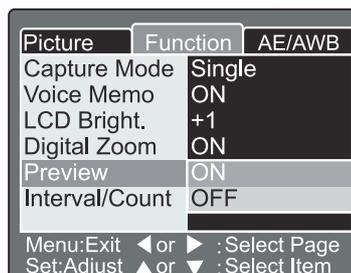
[ON]:   Enable display preview (default).
[OFF]: Disable display preview.

```
Picture    Function    AE/AWB
Capture Mode   Single
Voice Memo     ON
LCD Bright.    +1
Digital Zoom   ON
Preview        ON
Interval/Count OFF

Menu:Exit  ◄ or ►  : Select Page
Set:Adjust ▲ or ▼  : Select Item
```

Note

• A photographed image is displayed on the LCD monitor for 2 seconds.

• When preview is set to "OFF", voice memo setting is also fixed to "OFF".

■ Interval/Count

The camera provides interval image capturing based on this setting.
This mode is available in the self-timer photography. By selecting Interval/Count and press the **SET** button,the Interval/Count mode is displayed.
Press the ▲ or ▼ button to change the interval time.

[1 Min.]:   Recording interval is 1 minute
[3 Min.]:   Recording interval is 3 minutes
[10 Min.]:   Recording interval is 10 minutes.
[60 Min.]:   Recording interval is 60 minutes.

```
Picture    Function    AE/AWB
Interval / Count
             ▲
          1 Min.  02
             ▼

        ◄ or ►  : Select Item
Set:Adjust ▲ or ▼ : Change Value
```

Select count by pressing the ◄ or ► button. You can set the counts you want to take pictures by pressing the ▲ or ▼ button. To cancel Interval/Count while this function is activated, press the power button to turn off or toggle the mode dial.
[2]: 2 shots can be taken

ⵉ

[99]: 99 shots can be taken
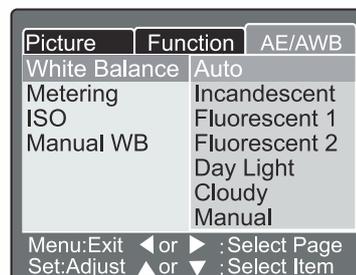
Using the DC C50   18
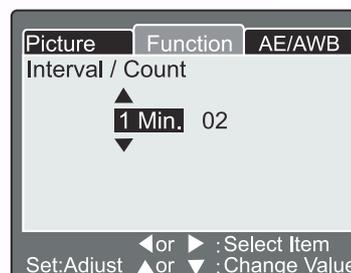
3.1.8.3. AE/AWB Setting

The AE/AWB Setting contains 4 items: White balance, Metering, ISO and Manual WB. This menu is not available in the [ ]Auto and [ ]mode.

■ White Balance

The camera determines the white balance by averaging the various kinds of light that actually enters the lens. You may set in advance the white balance when taking photographs under specific lighting conditions.
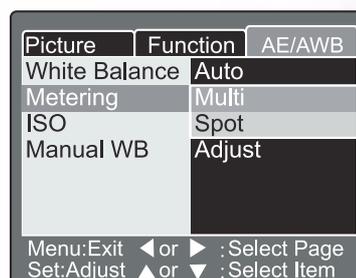
Picture	Function	AE/AWB
White Balance	Auto	
Metering	Incandescent	
ISO	Fluorescent 1	
Manual WB	Fluorescent 2	
	Day Light	
	Cloudy	
	Manual	

Menu:Exit ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item

[Auto]:   Auto white balance (default).
[Incandescent]: Incandescent light mode.
[Fluorescent 1]: Reddish fluorescent light mode.
[Fluorescent 2]: Bluish fluorescent light mode.
[Day Light]:   Daylight mode.
[Cloudy]:   Cloudy mode.
[Manual]:   Manual mode.

■ Metering

The camera calculates the exposure level before a photograph is taken.

Picture	Function	AE/AWB
White Balance	Auto	
Metering	Multi	
ISO	Spot	
Manual WB	Adjust	

Menu:Exit ◄ or ► : Select Page
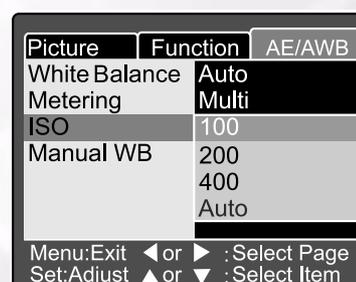Set:Adjust ▲ or ▼ : Select Item

[Multi]:   Multi metering (default)
             The exposure is measured and calculated for the entire area of the screen. By dividing the entire area of the screen, the exposure level for each unit is calculated. A well balance exposure can be obtained.
[Spot]:   Spot metering
             The exposure is measured in a very small area at the center of the screen.It is possible to calculate the exposure of a subject without being affected by the surrounding environment.

■ ISO

Set the photographic sensitivity at which the image is to be recorded.

Picture	Function	AE/AWB
White Balance	Auto	
Metering	Multi	
ISO	100	
Manual WB	200	
	400	
	Auto	

Menu:Exit ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item

[100]:   Equivalent to color ISO100.
[200]:   High-sensitive photography equivalent to color ISO200.
[400]:   High-sensitive photography equivalent to color ISO400.
[Auto]:   Automatically set between ISO 100 to ISO 400.

■ Manual WB

You may select "Manual WB" by using the ▲ or ▼ button at AE/AWB adjusting menu, and press the **SET** button. LCD monitor shows the manual WB menu. Compose the picture with white object (e.g.white paper) inside the area indicated by blue angle on the LCD monitor.

Select "Execute" by using the ▲ or ▼ button, then press the **SET** button.
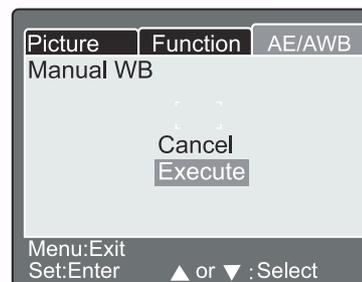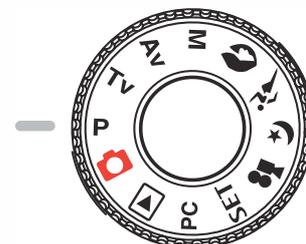
Picture	Function	AE/AWB
Manual WB		

Cancel
Execute

Menu:Exit
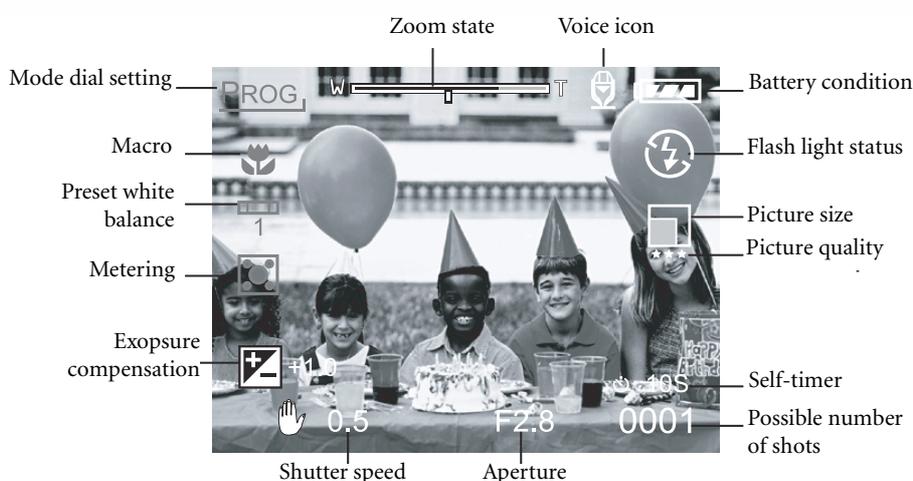Set:Enter   ▲ or ▼ : Select

3.2. Program Mode [P]

The camera automatically adjusts the shutter speed and the aperture value according to the brightness of an object. It is possible to change the white balance, the metering system and exposure compensation in program mode.

1. Set the mode dial to **[P]** and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

Program/TV/AV/Manual/Portrait/Sports/Night scene mode:

Zoom state Voice icon

Mode dial setting — PROG

Macro

Preset white balance

Metering

Exposure compensation — +1.0

0.5 F2.8 0001

Shutter speed Aperture

Battery condition

Flash light status

Picture size

Picture quality

Self-timer

Possible number of shots

3.3. Shutter Speed-priority Mode   [TV]

In this mode, photographs are taken with the priority given to shutter speed. The camera automatically sets the aperture value according to the shutter speed.
A fast shutter speed produces a photograph that looks as if a moving subject is still.
A slow shutter speed produces as photograph that makes you feel that it is flowing.

1. Set the mode dial to **[TV]** and power on the camera.
2. Rotate the Command dial to adjust the shutter speed.
3. Compose the picture and press the shutter button down halfway,then press it down fully.

Note

• If the appropriate combination cannot be set even if the aperture is adjusted to its limit, the aperture value is displayed in "red".
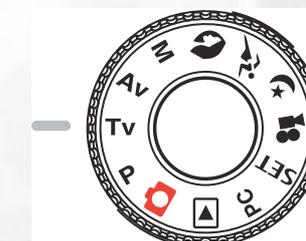
3.4. Aperture-priority Mode   [AV]

In this mode, photographs are taken with the priority given to aperture. The camera automatically sets the shutter speed according to the aperture.
A small aperture value produces a portrait photo with an out-of-focus background. The smaller the aperture value, the more out-of-focus the background becomes.
A large aperture value produces sharp images on both close objects and distant objects like landscapes. The larger the aperture value, the larger the area for sharp images.

1. Set the mode dial to **[AV]** and power on the camera.
2. Rotate the **Command** dial to adjust the aperture value. The aperture value and the shutter speed corresponding to that value are displayed on the LCD monitor.
3. Compose the picture and press the shutter button down halfway, then press it down fully.
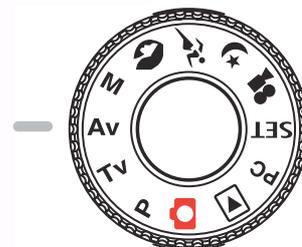
Note
• The larger the F value, the smaller the aperture size becomes and vice versa.

3.5. Full Manual Mode   [M]

This mode can set the aperture and shutter speed values separately before taking a photograph. Both the aperture value and shutter speed can be changed by rotating the **Command** dial.

1. Set the mode dial to [M] and power on the camera.
2. Adjust the aperture and shutter speed separately.
   • Press the [⊞/🖾] button to select the aperture or shutter speed. Available function is dislayed in blue on the LCD monitor.
   • Rotate the Command dial to adjust the value.
3. Compose the picture, press the shutter button down halfway, and press it down fully.
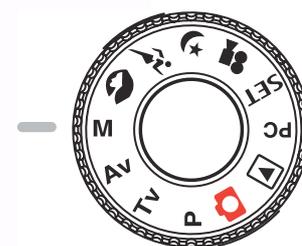
3.6. Portrait Mode [🖼]

Select this mode to make people stand out with the background out-of-focus. Flash setting is fixed to red-eye reduction mode automatically.

1. Set the mode dial to [🖼] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.
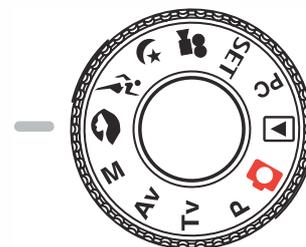
3.7. Sports Mode [🏃]

Select this mode to take photographs of fast-moving subjects. Flash photography is not possible.

1. Set the mode dial to [🏃] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

3.8. Night Scene Mode [🌙]

Select this mode to take photographs of people against a dusk or nigh-time background. Flash setting is fixed to Slow Synchro (the flash is fired at a slower shutter speed).

1. Set the mode dial to [🌙] and power on the camera.
2. Compose the picture.
3. Press the shutter button down halfway, and press it down fully.

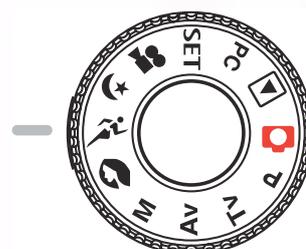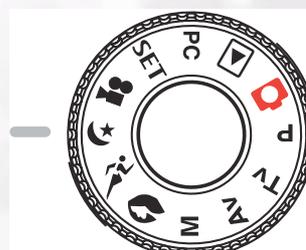## 3.9. Video Mode [📹]

The movie mode allows you to record video clips at the size of 320 x 240 pixels and160 x 120 pixels.

By dialing the MODE switch to [📹] position, the camera can take moving image with "voice" recording. The camera shows the preview image on the LCD monitor.

(In [📹] mode, the LCD monitor cannot be turned off.)

Movie mode

Zoom state
Mode dial setting
Battery condition
Macro
Picture size
Picture quality
Self-timer ⏱ 10S
Possible recording time 0:40
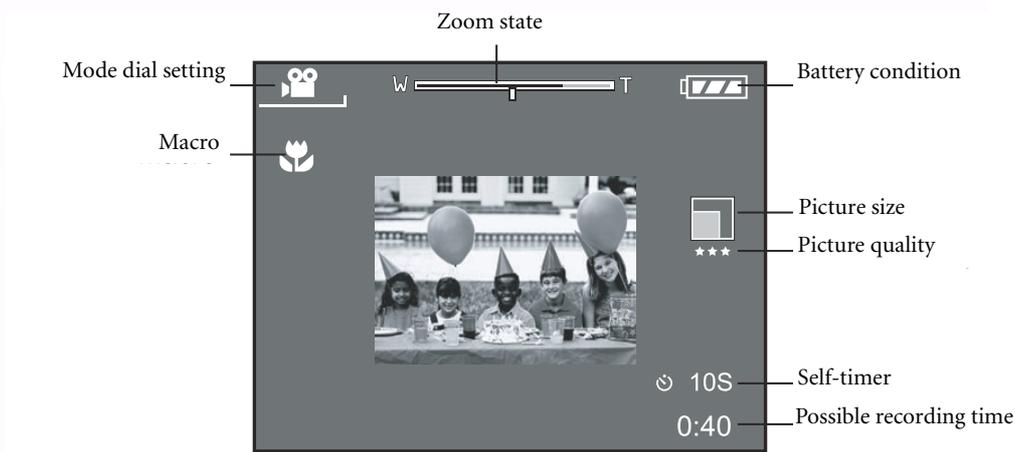
1. Set the mode dial to [📹].
2. Compose the picture, press the shutter button down halfway, and press it down fully.
   • Photography begins. **[REC]** appears on the LCD monitor.
3. To stop making movies, press the shutter button down fully again.
   • If you do not do this, photography is automatically stopped when there is no more free space on the SD Memory Card, or when the maximum size that a single movie can be recorded is reached.

Note
• In [📹]mode, EV compensation cannot be set or activated.
• In [📹]mode, the flash mode is automatically set to **[OFF]**.
• The image size during capture and playback becoms (320X240) or (160x120).
• The movie made in (320x240) size is displayed on the entire LCD monitor, and that made in (160x120) size is displayed in the center of the screen.

3.10. Playing Back Images [▶]

3.10.1. Playing Back Photographed Images
(Single-Frame Playback)

Play back photographed still images one image at a time.

1. Set the mode dial to [▶] and power on the camera.
   - The last recorded image appears on the LCD monitor.

2. Rotate the **COMMAND** dial or press the ▲ or ▼ button to advance to next frame or to go back one frame.
   - Rotate clockwise: Display the next image.
   - Rotate counterclockwise: Display the previous image.

Playback mode (Standard):

101-0002

Folder number

**Playback mode (Detailed information):**

```
File Name        :PICT0029.JPG
Size             :640X480
Quality          :Fine
Shutter speed    :1/80
Aperture         :3.5
ISO              :100
Strobe           :ON
File Size        :72kBytes
```

■ **LCD Monitor Display (Playback Mode)**

The [LCD] Display button can switch the display on the LCD monitor when playing back photographed images. You can switch the display to show a list of detailed information.

1. Set the mode dial to [▶] and power on the camera.
2. Rotate the **Command** dial or press the ▲ or ▼ button to select the image.
3. Press the [LCD] button.
   - Each press of the [LCD] button switches the display format as follows:

Standard ⟶ Image only ⟶ Detailed information
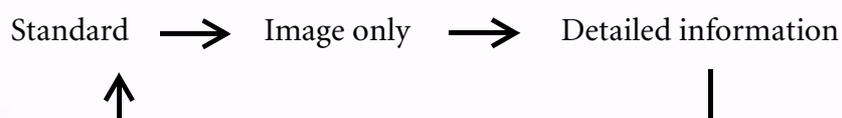
> **Note**
> - This function is not available for movie image playback.

3.10.2. Voice Record

By pressing the shutter button during playing back the picture, voice may be recorded. When pressing the shutter button down fully "VOICE RECORDING" is indicated on the LCD monitor for 10 seconds. Pressing the shutter button down fully again "VOICE RECORD END" is indicated.

> **Note**
> - In the playback display mode, voice icon is displayed for the voice recorded picture.
> - Voice record is also available at still image capture mode.
> - Voice record only can be done once.

3.10.3. Playing Back Movies

Playback movies that you have recorded. The movies made in FULL size are displayed on the entire LCD monitor, and those made in HALF size are displayed in the center of the screen. Press the **SET** button and then you will see playback of the selected movie begins.

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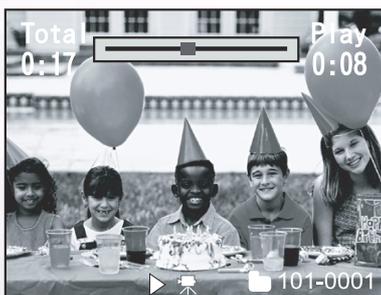
3.10.4. Thumbnail Display

This function allows you to view nine thumbnail images on the LCD monitor simultaneously so that you can quickly scan for a particular image.

1. Press the [⊖] button.
   - Nine images are displayed simultaneously.
2. Use the ▲, ▼, ◀ or ▶ button to move the cursor and select the image to be displayed at regular size.
3. Press the **SET** button to display the selected image on the full screen.

Note

- In the thumbnail display mode, movie icon [🎞] is displayed for the movie data.

3.10.5. Zoom Playback

The camera has 2x and 4x playback digital zoom function. While reviewing your images, you may enlarge a selected portion of an image. This magnification allows you to view fine details.
Movies cannot be displayed using the zoom playback feature.

1. Adjust the zoom ratio by using the [⊕] or [⊖] button.
   - Pressing the [⊕] button will enlarge the image.
   - To return to normal magnification, press the [⊖] button.
   - The image is displayed enlarged, and a white frame and greenframe are displayed on the LCD monitor.
   - The white frame indicates the entire image, while the green frame shows the location of the currently enlarged area.

   Entire image ——— Current position of enlargement

2. Use the ▲, ▼, ◀ or ▶ button to select the area to enlarge.
   - Adjust the display area to enlarge while viewing the white and green frames.
3. To return to the regular display, press the [⊖] button.
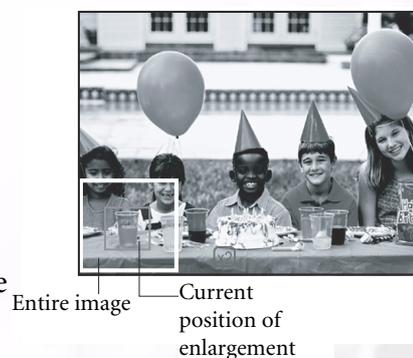
Note

- Pressing the [⊕] button magnifies the image from 1x-->2x-->4x.
- Pressing the [⊖] button reduces the image from 4x-->2x-->1x.

3.10.6. Slideshow Display

The slideshow function enables you to playback your images automatically in sequential order as a slide show. This is a very useful and entertaining feature for reviewing recorded images and for presentation.

1. Press the **MENU** button.
   - The menu screen appears.
2. Select Slide Show by using the ▲ or ▼ button.
3. Press the **SET** button.
   - The slideshow starts at 3 seconds interval and [▭] is displayed on the LCD monitor.
   - To stop the slideshow display, press the **SET** button.

Note

- The Auto Power Off function does not operate during the slide show.

3.10.7. Playback Mode Setup

3.10.7.1. DPOF (Digital Print Order Format)

Print Information
DPOF is the abbreviation for Digital Print Order Format, which allows you to print the images directly from the DPOF-compatible printers by simply inserting the memory card into the printer and do the necessary settings.

1. Press the **MENU** button.
   - The menu screen appears.
2. Select the "DPOF" by using the ▲ or ▼ button and press the **SET** button.
   - You can select the Single or All option and press the **SET** button to confirm the selection.
3. Print Number, Date and Print Enable appear. Use the ▲ or ▼ button to select one of them and press the **SET** button to confirm.
4. Use the ▲, ▼, ◀ or ▶ button to make change and press the **SET** button to confirm.
   - The camera returns to Single/All submenu. To exit from the menu screen, press the **MENU** button.

```
Play
Slide Show      Execute
DPOF            Next Menu
Protect         Next Menu
LCD Bright      0


Menu:Exit
Set:Enter   ▲ or ▼ : Select Item
```

```
Play
DPOF
  Single
     Print Num.      1
     Date            ON
     Print Enable    Execute


Menu:Exit
Set:Adjust ▲or ▼ : Select Item
```
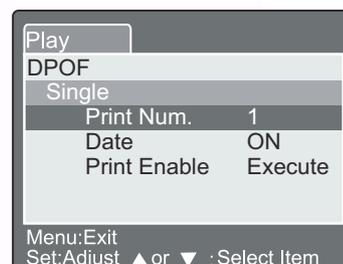
[Print Number]:	Select the image quantity from 1~9.
[Date]:	Select to print the date on the image or not.
[Print Enable]:	If you select "Cancel" and press the **SET** button to confirm, all the settings will be deleted. If "Execute" is selected and confirmed the camera will save the settings.

```
Play
DPOF
    Single
        Print Num.
        ▲
        1
        ▼
Menu:Exit
Set:Enter    ▲ or ▼  : Select
```

```
Play
DPOF
    Single
        Date
        ▲
        ON
        ▼
Menu:Exit
Set:Enter    ▲ or ▼ : Select
```
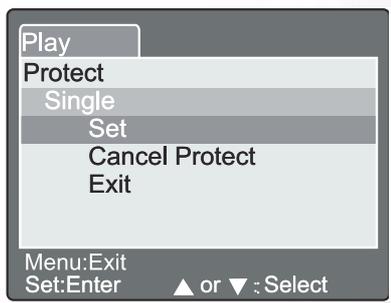
```
Play
DPOF
    Single
        Print Enable

        Cancel
        Execute
Menu:Exit
Set:Enter    ▲ or ▼ : Select
```
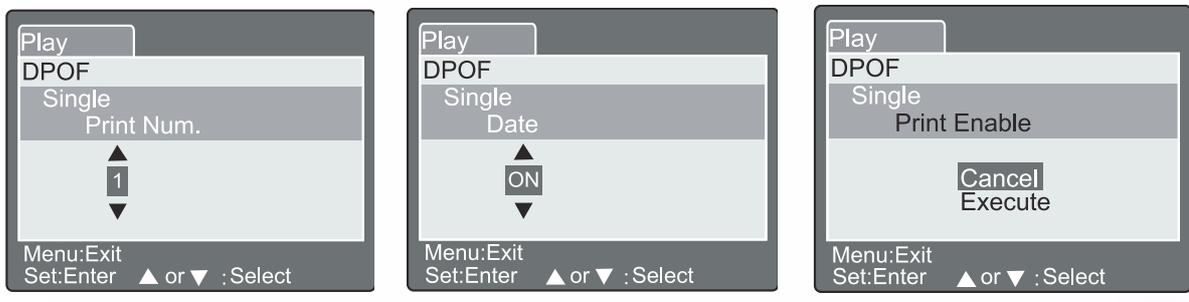
3.10.7.2. Protect

This function gives the image protection from erasing. Follow the steps below to perform the protect functions.

1. Select the Protect by using the ▲ or ▼ button and press the **SET** button.
2. Protect submenu appears, including Single, All and Select. Use the ▲ or ▼ button to select one of them and press the **SET** button to confirm.
3. Use the ▲ or ▼ button to select the desired setting and press the **SET** button.
   • In Single/All submenu, use the ▲ or ▼ button to select the desired setting and press the **SET** button.

```
Play
Protect
    Single
        Set
        Cancel Protect
        Exit

Menu:Exit
Set:Enter    ▲ or ▼ : Select
```

[Set]:	The one image displayed on the LCD monitor is locked and [🔒] is displayed on the LCD monitor.
[Cancel Protect]:	Cancel image protection.
[Exit]:	Exit from the menu screen.

Note

• If "Select" is selected, thumbnail display appears on the LCD monitor. Use the ▲, ▼, ◀ or ▶ button to select the image and press the [LCD] button to select lock/unlock and press the **SET** button to confirm.

3.10.7.3. LCD Brightness

Adjust the brightness of the LCD monitor. This adjustment does not adjust the brightness of the image to be recorded. The LCD monitorís adjustment range is withinñ5 to +5.

1. Select the "LCD Bright" by using the ▲ or ▼ button and press the **SET** button.

2. Use the ▲ or ▼ button to select the desired setting and press the **SET** button.

```
Play
LCD Bright.
        ▲
       [0]
        ▼

Menu:Exit
Set:Enter      ▲ or ▼ : Select
```

3.10.8. Erasing Images [🗑]

The [🗑] button provides to erase image file. While pressing [🗑] button during monitoring mode, the latest image data and erase menu appears on the LCD monitor.

1. Press the [🗑] button.
   • The Delete menu is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select the Delete sub-menu (**Single/All/Select**).

```
Delete
Single
All
Select



              📁 101-0002
```
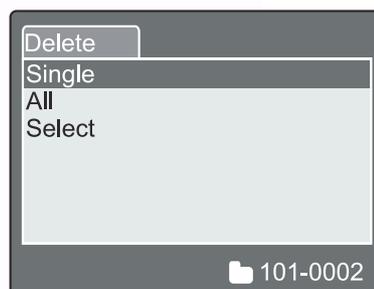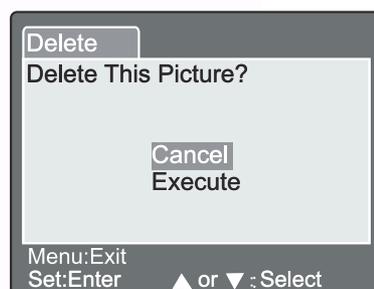
■ **Erasing Single Image**
   Single: Erase this image.
   a. Select **[Single]** and press the **SET** button to confirm the selection.
      • "Delete This Picture?" sub-menu is displayed on the LCD monitor.
   b. Use the ▲ or ▼ button to select Execute/Cancel.
      [Execute]: Erase this image.
      [Cancel]: Cancel the deletion
   C. Press the **SET** button to confirm the setting.

```
Delete
Delete This Picture?


              Cancel
              Execute

Menu:Exit
Set:Enter      ▲ or ▼ : Select
```

■ **Erasing All Images**
All: Erase all images.
   a. Select **[All]** and press the **SET** button to confirm the selection.
      • "Delete All Pictures?" sub-menu is displayed on the LCD monitor.
   b. Use the ▲ or ▼ button to select Execute/Cancel.
      [Execute]: Erase all images.
      [Cancel]: Cancel the deletion
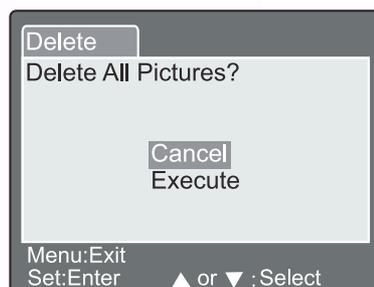   C. Press the **SET** button to confirm the setting.

```
Delete
Delete All Pictures?


              Cancel
              Execute

Menu:Exit
Set:Enter      ▲ or ▼ : Select
```

■ **Erasing Selected Image**
　Select: Erase the selected image.
　　a. Select **[Select]** and press the **SET** button to confirm
　　　the selection.

　　　　• Thumbnail display and [🗑] appear on the LCD
　　　　　monitor.

　　b. Use the ▲, ▼, ◀ or ▶ button to select the image
　　　you want to erase and press the [🗑] button to
　　　confirm the selection.

　　　　• [🗑] icon appears on the selected image.
　　C. Press the **SET** button to confirm the setting.

101-0004

Note

• Images cannot be erased when they are protected or the SD Memory Card is write-
　protected.
• This function is available for all modes except for PC and SET-UP modes.

3.11. SET-UP MODE

This feature allows you to set up the default settings for using your camera in addition to image-related settings. You can select your personal preferences for the camera by this mode.

3.11.1. Basic Setting

The Basic Setting contains 6 items:
Card Information, Frame Number Reset, Format, Sound, Beep and Auto Power Off.

Basic	Custom
Card Info	Next Menu
Fr.No.Reset	Next Menu
Format	Next Menu
Sound	ON
Beep	ON
Auto POFF	1 Min

◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item

■ **Card Information**

Display the total and remaining memory size of the inserted SD Memory Card.

1. Set the mode dial to **[SET]** and power on the camera.
2. Use the ▲ or ▼ button to select Card Info.
3. Press the **SET** button.
   • Card Information will be displayed.
4. Press **SET** button once again to exit.

Basic	Custom
Card Info	
Card Size	6MB
Remain	1MB

Set:Exit
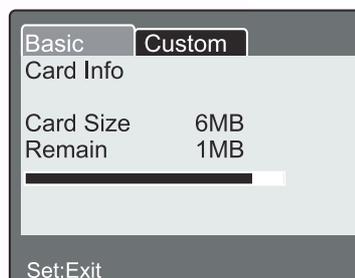
■ **Frame Number Reset**

Reset the frame number.
Default reset: Folder number is 100 and file number is 0001.

1. Press the **SET** button.
   • Frame Number Reset menu is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select Execute/Cancel.
   [Execute]: Reset the frame number.
   [Cancel]: Does not reset the frame number.
3. Press the **SET** button to confirm the setting.

Basic	Custom
Frame Number Reset	
	Cancel
	Execute

Set:Enter ▲ or ▼ : Select
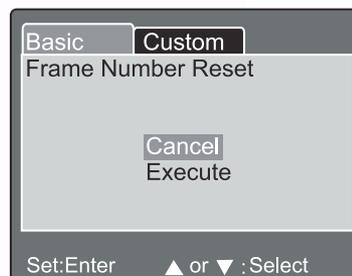
Note

• If folder already exists on SD Memory Card, it assigns older number than the existing folder.

■ **Format**

Formatting erases all images and reformats the SD Memory Card loaded in your camera. Protected images are also erased. SD Memory Card can't be formatted if it is write-protected.

1. Press the **SET** button.
   - "Format SD card" menu is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select Execute/Cancel.
   [Execute]: Format the memory card.
   [Cancel]: Does not format the memory card.
3. Press the **SET** button to confirm the setting.

```
Basic    Custom
Format SD Card


             Cancel
             Execute


Set:Enter        ▲ or ▼ : Select
```
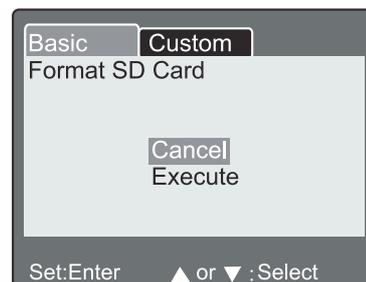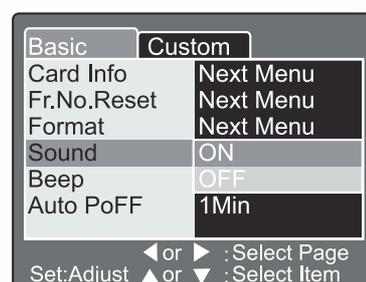
■ **Sound**

Set the sound ON/OFF.

1. Press the **SET** button.
   - The pull down menu for Sound is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select the desired sound setting.
   [ON]: Enable the sound setting.
   [OFF]: Disable the sound setting.
3. Press the **SET** button to confirm the setting.

```
Basic    Custom
Card Info      Next Menu
Fr.No.Reset    Next Menu
Format         Next Menu
Sound          ON
Beep           OFF
Auto PoFF      1Min
              ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item
```
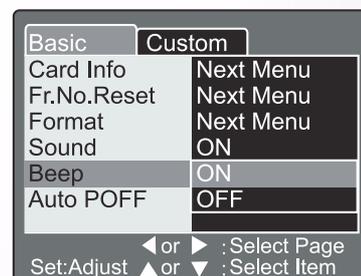
■ **Beep**

Set the beep ON/OFF.

1. Press the **SET** button.
   - The pull down menu for Beep is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select ON/OFF.
   [ON]: Enable the beep setting.
   [OFF]: Disable the beep setting.
3. Press the **SET** button to confirm the setting.

```
Basic    Custom
Card Info      Next Menu
Fr.No.Reset    Next Menu
Format         Next Menu
Sound          ON
Beep           ON
Auto POFF      OFF
              ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item
```
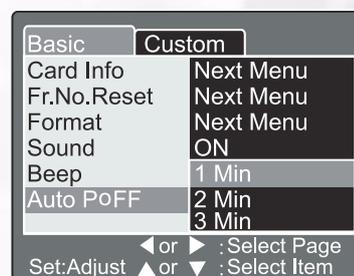
■ **Auto Power Off**

In case no buttons is pressed for a certain period of time while power on, the camera turns off automatically to conserve power. The default value is 1 minute.
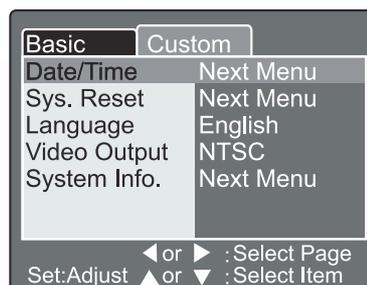
1. Press the **SET** button.
   - The pull down menu for Auto Power Off is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select the desired time setting.
   [1 Min]: If no operation is carried out for 1 minute, Auto power off is activated (default).
   [2 Min]: If no operation is carried out for 2 minutes, Auto power off is activated.
   [3 Min]: If no operation is carried out for 3 minutes, Auto power off is activated.
3. Press the **SET** button to confirm the setting.

```
Basic    Custom
Card Info      Next Menu
Fr.No.Reset    Next Menu
Format         Next Menu
Sound          ON
Beep           1 Min
Auto PoFF      2 Min
               3 Min
              ◄ or ► : Select Page
Set:Adjust ▲ or ▼ : Select Item
```
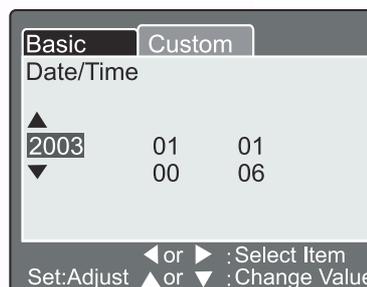
33   Using the DC C50

3.11.2. Custom Setting

The Custom Setting contains 5 items: Date/Time, System Reset, Language, Video Output and System Information.

```
Basic    Custom
Date/Time        Next Menu
Sys. Reset       Next Menu
Language         English
Video Output     NTSC
System Info.     Next Menu


              ◄or ►  : Select Page
  Set:Adjust ▲or ▼  : Select Item
```
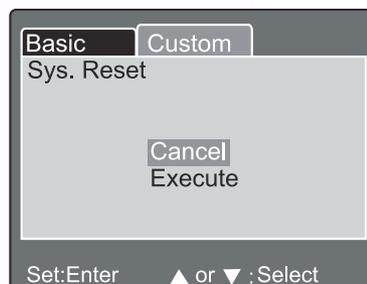
■ **Date/Time**

Set the Date and Time.

1. Press the **SET** button.
   - The Date/Time menu is displayed on the LCD monitor.
2. Use the ◄ or ► button to select the item to set.
3. Use the ▲ or ▼ button to set the value for each item.
4. Press the **SET** button to confirm the setting after all item values are set.

```
Basic    Custom
Date/Time

▲
2003      01      01
▼         00      06


           ◄or ►  : Select Item
 Set:Adjust ▲or ▼  : Change Value
```

■ **System Reset**

Set all the parameter to default settings.

1. Press the **SET** button.
   - The System Reset menu is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select Execute/Cancel.
   [Execute]: Return to default setting.
   [Cancel]: Retain the current setting.
3. Press the **SET** button to confirm the setting.

```
Basic    Custom
Sys. Reset



            Cancel
            Execute


 Set:Enter       ▲ or ▼ : Select
```
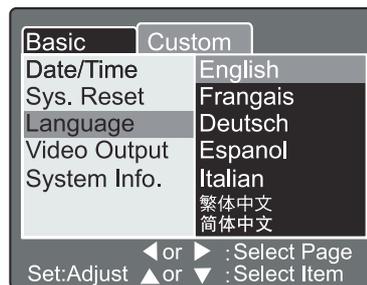
Note

- Date/Time cannot be reset.

■**Language**

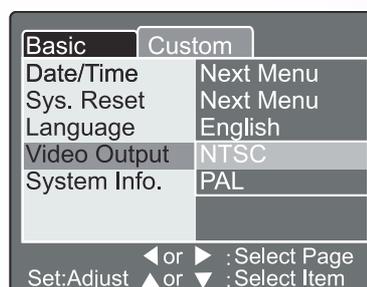Set the on-screen display language.

1. Press the **SET** button.
   • The pull down menu for Language is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select the desired OSD language.
3. Press the **SET** button to confirm the setting.

```
Basic      Custom
Date/Time      English
Sys. Reset     Frangais
Language       Deutsch
Video Output   Espanol
System Info.   Italian
               繁体中文
               简体中文
          ◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item
```

■**Video Output**

Set the video output system according to the country in which your camera used.

1. Press the **SET** button.
   • The pull down menu for Video Output is displayed on the LCD monitor.
2. Use the ▲ or ▼ button to select the desired Video Output setting.
   [NTSC]: NTSC system.
   [PAL]: PAL system.
3. Press the **SET** button to confirm the setting.

```
Basic      Custom
Date/Time      Next Menu
Sys. Reset     Next Menu
Language       English
Video Output   NTSC
System Info.   PAL

          ◀ or ▶ : Select Page
Set:Adjust ▲ or ▼ : Select Item
```

■**System Information**

Display the camera firmware version.

1. Press the **SET** button.
   • The camera firmware version is displayed on the LCD monitor.

2. To return to main menu, press the SET button.

```
Basic      Custom
System Info.


System Information
Version          0.035




Set:Exit
```
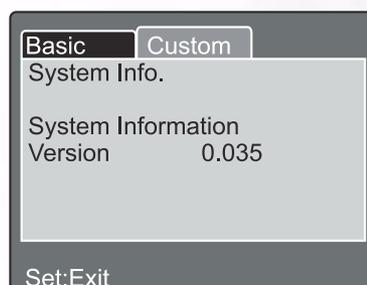
4 PC DEPENDENT FEATURES

Preparations

To use the PC dependent functions, you need to install your digital camera software and connect the camera to your PC.

4.1. Installing digital camera software

- If your operation system is Windows 98, please setup the DC C50 driver first, if the operation system is Windows ME/2000/XP, then it's not necessary for you to setup driver in advance.
- It's recommended that you setup driver and software before connecting digital still camera to your PC for smooth installation. Normally, a software installation menu appears automatically after this installation CD is inserted into your CD-ROM drive.
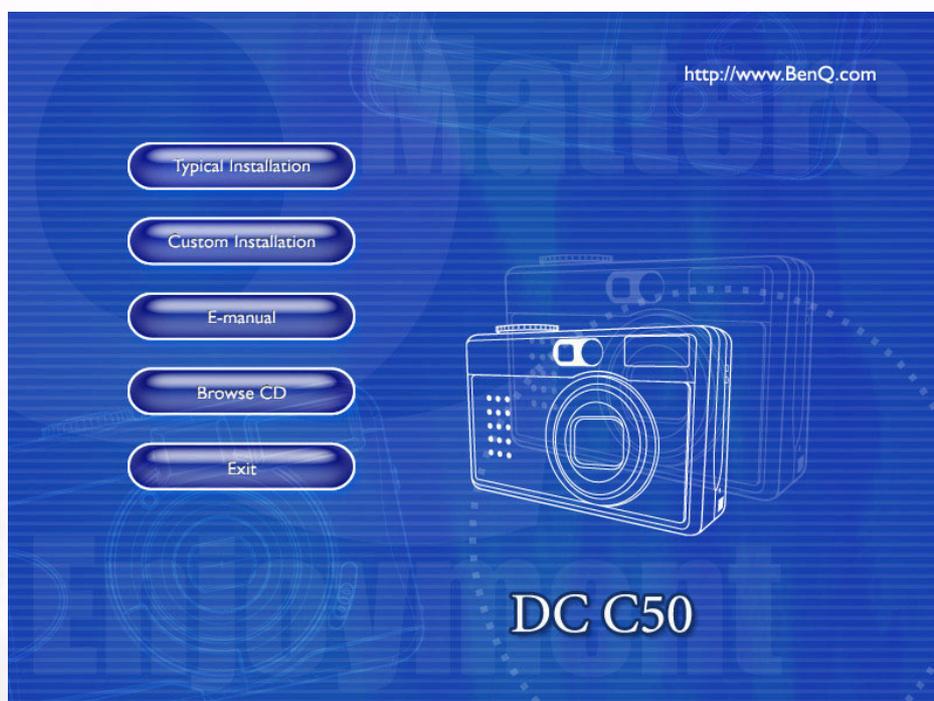
- Click on each item to start installing the software program of your choice. If the menu did not appear, please browse the CD and find a program file named "Autorun.exe" in the root directory and double-click on it. The menu will appear. If you want to know the content of this CD and install software manually, please refer to the descriptions of the CD content below.
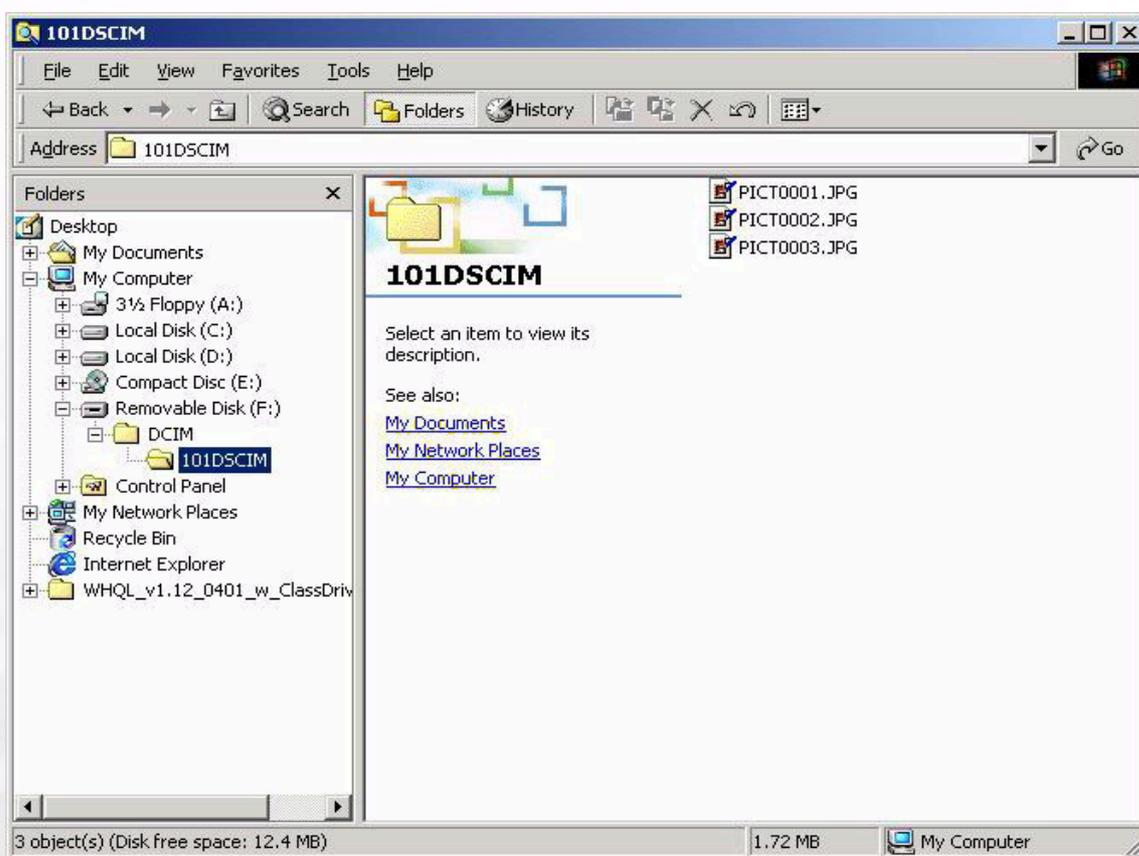
4.2. The Software of this Installation CD

Software	Description
1. PhotoBase	Arcsoft PhotoBase, for you to find and organize your media-files efficiently. You can use it to creat a slide show, a web album, or a video postcard, then sharing these media-files with your friends through internet.
2. PhotoImpression	ArcSoft PhotoImpression, it is an easy-to-use photo editing and creative design program. You can edit and retouch your photos, then add special effects or place them in cards, calendars, frames and fantasy templates. PhotoImpression also includes a wide variety of printing options.
3. VideoImpression	Arcsoft Video Impression, for you to edit and combine the video files. New videos can be created by existing video, animation, and image files,quickly and easily create desktop video presentations for use at home, business or on the internet.
4. PhotoPrinter Pro.	Arcsoft Photo Printer this versatile printing utility lets you print out casually, it can be several different images on a single sheet of paper. It's as simple as opening your image, selecting from an assortment of templates and clicking Print.
5. Microsoft DirectX	Microsoft DirectX, an all-in-one and closs-platform media tool.
6. Acrobat reader	Adobe Acrobat Reader, it's a "must have" utility to read files in the popular cross-platform file format "PDF".
7. Q-link	BenQ Q-link, for your smart photo downloads, printout , edit function and share via email with others, for photos folders management and could also slide show photos on screen.

37   PC dependent features

4.3. Downloading the Image(s)

Under Windows Operating System (Windows 98/98SE/2000/ME/XP)

■ Downloading Image(s) From Removable Disk

1. Turn on the PC.
2. Switch on the camera.
3. Connect the camera to the PC with USB cable under PC mode.
   Please make sure the USB cable is well connected to the PC and camera.
4. When the USB cable is connected to the PC, it will create a new hard disk named Removable Disk .
5. The stored image(s) can be found in Removable Disk\DCIM\101DSCIM.
6. View the image with double-clicks.

5 TROUBLESHOOTING (ERROR MESSAGE TABLE)

Symptoms	Causes	Solutions
The power won't turn on.	• The battery is out of power. • The AC power adapter is not well connected or damaged.	• Use the battery charger to charge the battery. • Make sure the AC power is connected and it's not damaged.
The power turns off during use.	• The battery is out of power. • Auto power off. • The battery/SD card cover is opened when in process. • The adapter has not been connected properly.	• Use the battery charger to charge the battery. • Switch on the Power . • Do not opened the battery/SD card cover when camera is under operating. • Connect the adapter correctly.
The battery power is draining quickly.	• The external temperature is too cold. • The battery is not used for a long time.	• Keep the camera away from extreme temperatures. • Recharge the battery with battery charger.
The camera does not take pictures when the shutter button is pressed .	• The camera is not set at Recording Mode. • The battery is weak. • The power has not been switched on.	• Set the Mode Dial at Recording Mode. • Replace the battery with a new one. • Switch on the power.
The close-up image is blurred.	• You should select the correct focus range.	• If the subject is within 9 cm, select macro mode from mode dial.
The flash does not fire.	• The camera flash is turned off. •The light source is sufficient.	• Set the flash mode to Auto Flash or Fill-in Flash mode.
There is something wrong with the color of the captured image.	• White Balance is not set properly.	• Set white balance to Auto mode or other suitable mode.
The picture is too bright or too dark.	• There is excessive or inadequate exposure.	• Reset exposure compensation.
The TFT LCD monitor is not clear.	• The LCD monitor plastic cover is dirty.	• You should clean the LCD cover.
The camera cannot download images to the PC.	• Cable is not connected properly. • Camera is off. • There are no battery or the adapter is not well connected. • OS is not Window 98/98SE / 2000/ME/XP or PC is not equipped with USB port. • USB driver is not installed.	• Check the cable connection. • Turn on the power. • Load new battery or check the AC power adapter connection. • Install Windows 98/98SE/2000/ME/XP and USB Port. • Install USB Driver.

6 SPECIFICATIONS

Image Sensor	1/1.8" CCD with 5.04 Mega pixels
Lens	f=7.2-21.6 mm (film equivalent) F2.8 / F4.7
Digital Zoom	Capture Mode:4x (continuous)& Play Mode:2x/4x (continuous)
Viewfinder	Optical real image viewfinder
LCD Monitor	1.5" color TFT LCD
Focusing	TTL Auto Focus
Focusing Range	Macro: 9cm, Normal: 80cm-infinity
Shutter	Mechanical shutter and Electrical shutter
Shutter Speed	8~ 1/1500 sec. Mechanical shutter
Exposure	Spot, Average weighted TTL AE / Exposure compensation ± 2 EV (0.3 EV / step)
ISO Equivalent	Auto, 100, 200, 400
White Balance	Auto / Cloudy/ Day light / Incandescent/ Fluorescent 1/ Fluorescent 2/ Manual
Flash	Auto / Red - eye reduction / Forced flash / Flash off
Flash Range	0.5 ~ 3.0m
Self-timer	2sec,10 sec,10+2 sec, Interval
Still Image Mode	Single image / Continuous (3 pic) / AEB(3 pic)
Movie Clips	Size : 320x240 /160 x120 with sound Recording time : 320x240:Fine 30sec./ Normal 45sec. /Economy 60sec. 160x120:Fine 90sec./ Normal 120 sec./Economy 180sec
Storage	External memory: SD Card (8~512 MB) compatible.

File Format	Still Image: JPEG (EXIF2.2), DCF, DPOF; Movie Clip: AVI format with wave sound
Image size	2560 x 1920 pixels, 2048x1536 pixel, 1280 x 960 pixels, 640 x 480 pixels
Image Play	Single image / AVI play / Thumbnails / Slide show
Interface	Digital output connector: USB 1.1 AV output DC power input connector: 5V
Power Source	Specific rechargeable Lithium-ion battery / AC adaptor
Dimensions (WxHxD)	98 x 63 x 35 mm
Weight	180g (without battery)
Camera Driver	PC Driver(Windows98 / 98SE / 2000 /ME / XP)
Software Application	Q-link PhotoBase PhotoImpression VideoImpression PhotoPrinter Arcobat Reader DirectX

System Requirments	
FOR WINDOWS	* Pentium 166Mhz or higher CPU * 64MB RAM * CD-ROM drive * 128MB free hard disk space * Available USB port * Windows XP/ME/2000/98SE/98

7 SERVICE INFORMATION

Technical support

If you encountered problems using DC C50 and the camera driver program, please send an E-mail (containing detailed descriptions of the problem you came upon, the hardware and software environment of your system) to the following addresses:

USA: support-sc@BenQ.com

Europe: service@BenQ-eu.com

Taiwan: service-tw@BenQ.com

China: service_china@BenQ.com

Asia and other countries: support@BenQ.com

For free driver program updates, product information and news release, please visit the following web address:

http://www.BenQ.com.tw/global/