Multi-Functional

ZOOM Digital Camera

English

User Guide

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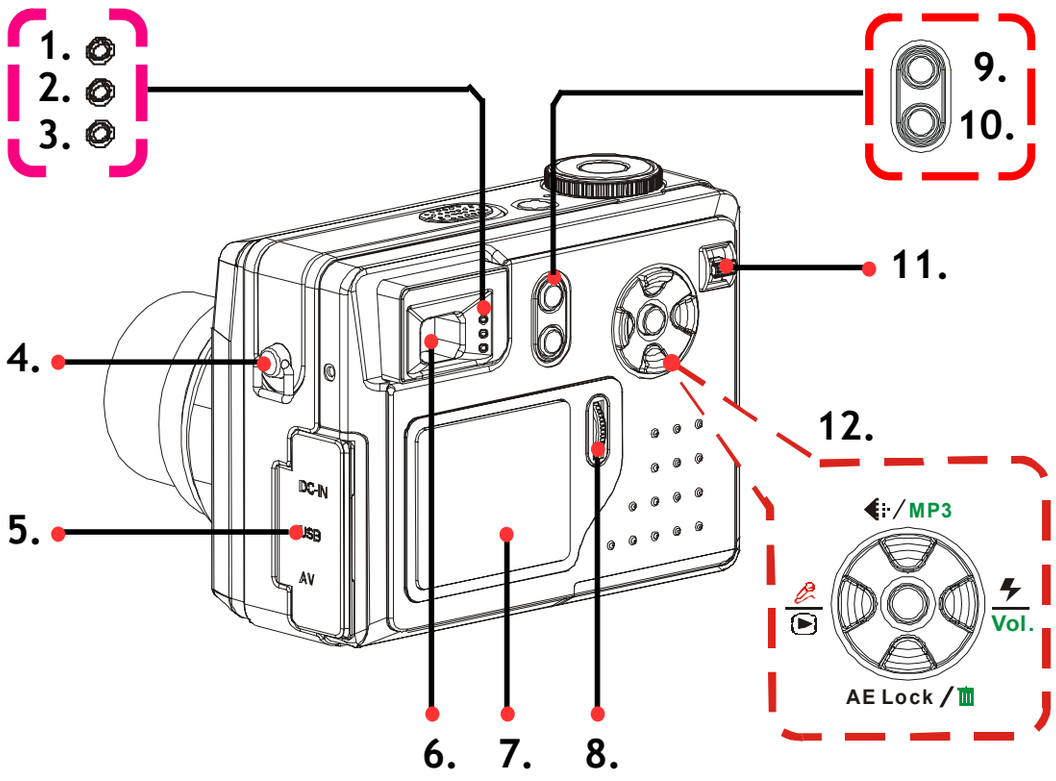
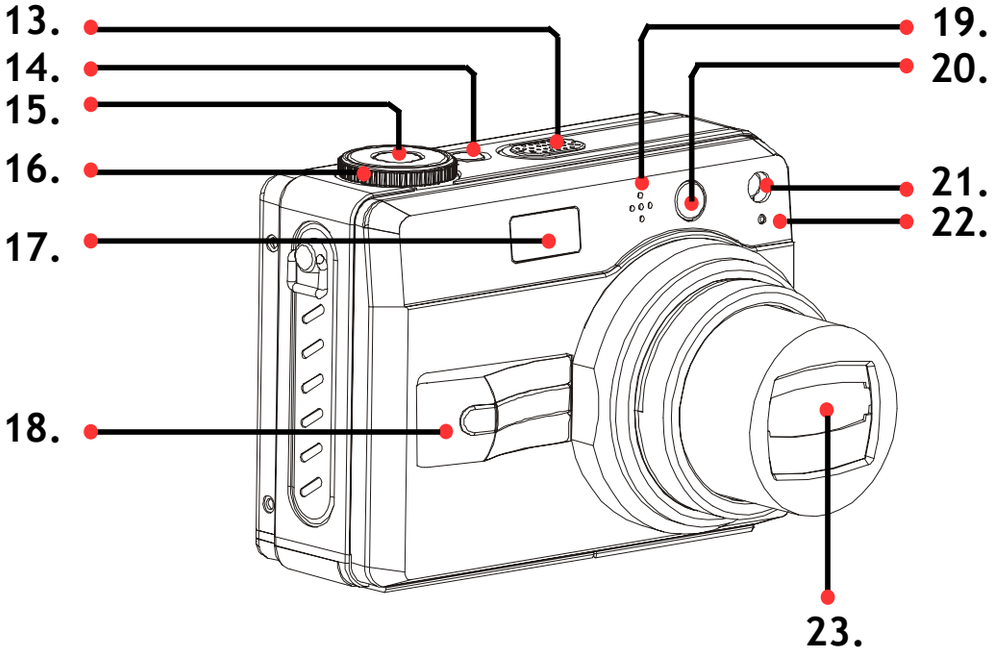
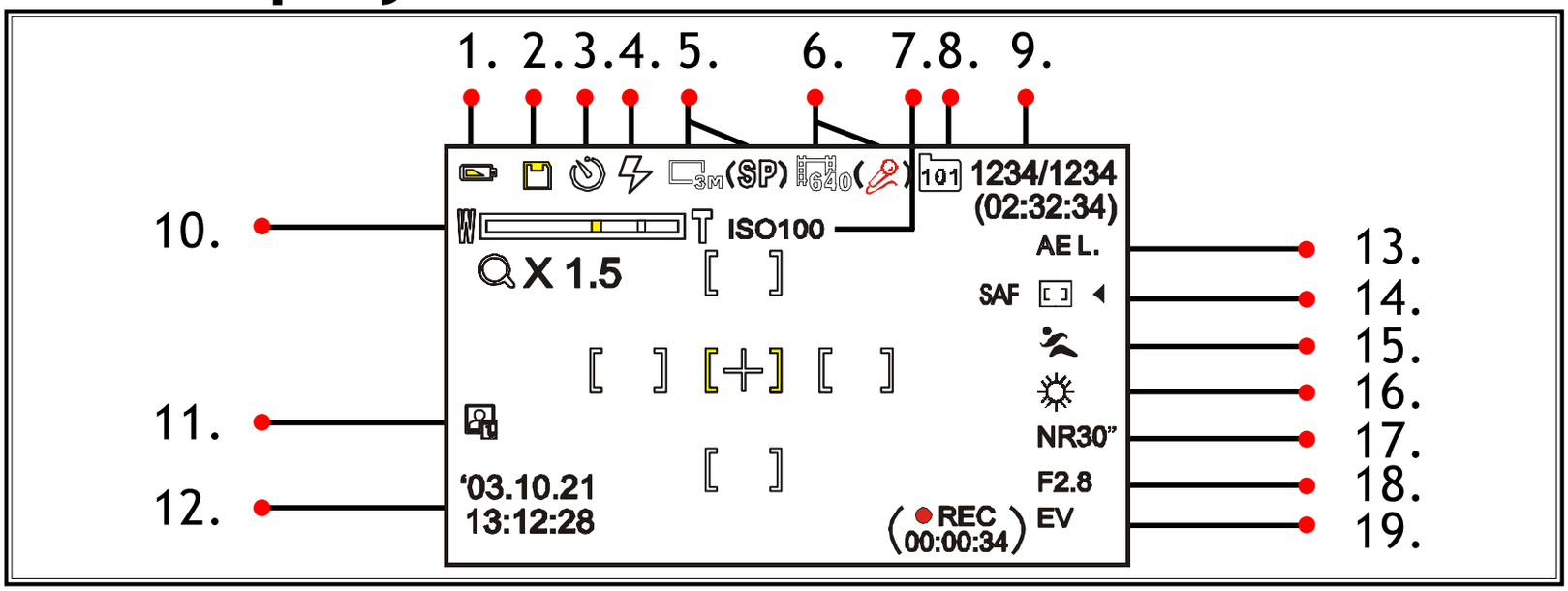
Identifying the Parts





1. Process Indicator
2. Focus Indicator
3. Charge Indicator
4. Strap holder
5. DC-IN/USB/AV port (Earphone)
6. View finder
7. LCD display
8. Jog Dial key
9. Menu button
10. DISP button
11. Zoom lever
12. Control button :
    1) Resolution/MP3/▲ Up button
    2) Quick Review/Voice Recorder ◀ Stop/Exit/Left button
    3) AE Lock/ Delete/ ▼ Down button
    4) Flash/Volume/▶ Right button
    5) ● OK/Play/Pause button
13. Speaker
14. Power button
15. Shutter button
16. Mode dial :
    M (Manual)/SCN (Scene)/ (DSC)/ (Playback)/ (DV)/ (Setup)
17. Flash Light
18. Handle
19. Microphone
20. View Finder
21. Auto Focus Assist Light
22. Self-timer Indicator
23. Zoom Lens

LCD Display Icons



1. Battery Life

2. Memory Card ( ) / Card Lock ( )

3. Self-timer : *DSC/Manual/SCN/DV Mode*

4. Flash (/ / /) : *DSC/Manual/SCN Mode*

5.1) DSC/Manual/SCN Resolution (6.5M / 5M / 3M / 0.3M)

2) DVR Resolution (SP / LP)

6.1) DV Resolution (640 / 320)

2) Voice Recorder ( ): *DV Mode*

7. ISO Sensitivity

8. Folder

9.1) 123(Picture Counter): *DSC/Manual/SCN/Mode*

2) 02:32:34 (The total recordable time): *DV Mode*

3) 1234/1234 (the selected file number/the total files number): *Playback Mode*

10. Zoom level

11. Date Mark

12. Date/Time Display

13. AE Lock : *DSC/Manual/SCN/DV Mode*

14. Selected frame priority Auto Focus: *Manual/SCN Mode*

15. Scene Selections: *SCN Mode*

16. White Balance: *Manual/SCN Mode*

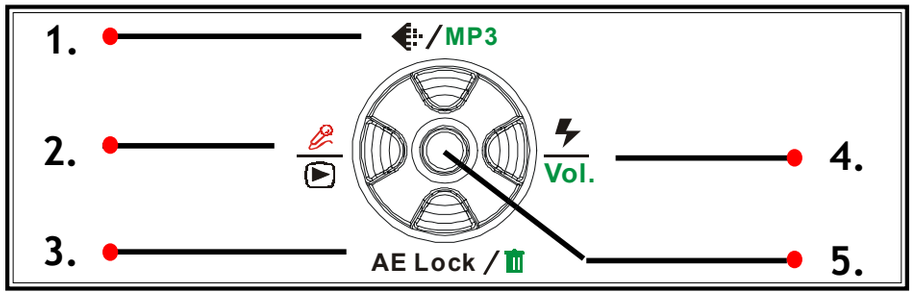
17. Shutter Speed: *Manual Mode*

18. Aperture Value: *Manual Mode*

19. **1)** EV (Exposure Compensation): *Manual Mode*

2) 00:00:34 (The recording Time): *DV Mode*

Control Button Functions



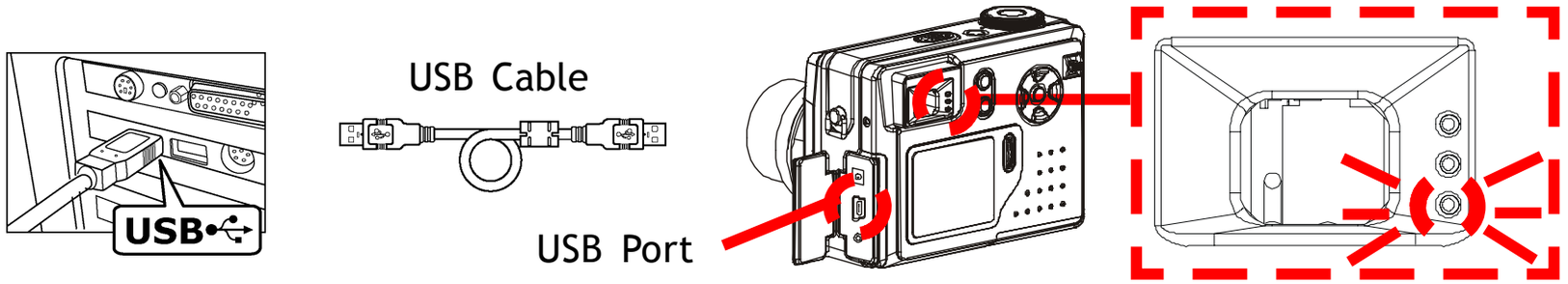
1. * Resolution ( )---- Press this button repeatedly to set the image size, 6.5M / 5M / 3M / 0.3M *(DSC/Manual/SCN Mode)*, 640 / 320 *(DV Mode)* or recording quality, SP / LP *(DVR function)*.
   * MP3 (**MP3**) ------- To enter the MP3 Playback screen. *(Playback Mode)*
   * UP (▲) ------------ To select the Menu item or its advanced setting.
2. * Voice Recorder ( )- To record voice. *(DV Mode)*
   * Quick Review ( )- To have a quick review of the last picture you shot. *(DSC/Manual/SCN Mode)*
   * Stop/Exit (◀) ----- To stop implementing, cancel the setting, or exit the screen you are setting.
   * Left (◀) ---------- To select the advanced setting.
3. * AE Lock (**AE Lock**)- To lock the exposure value on the specific portion of the subject for capturing available image brightness while shooting. *(DSC/Manual/SCN/DV Mode)*
   * Delete ( ) ------- To delete the file *(DSC/Manual/SCN Mode-▶ function/ Playback Mode)*
   * Down (▼) -------- To select the Menu item or its advanced setting.
4. * Flash ( ) -------- To take pictures in poor lighting conditions, (Off)/ (Auto)/ (Red-Eye)/ (On). *(DSC/Manual/SCN Mode)*
   * Volume (**Vol.**) --- Press this button to enter the volume adjust screen. Then turn the **Jog Dial** to adjust volume. *(Playback Mode)*
   * Right (▶) ---------- To select the advanced setting.
5. * OK (●) ---------- To implement the setting.
   * Play (●) ---------- To play back the files (picture/video/voice/music).
   * Pause (●) ---------- To pause playing.

Preparation

Charging battery

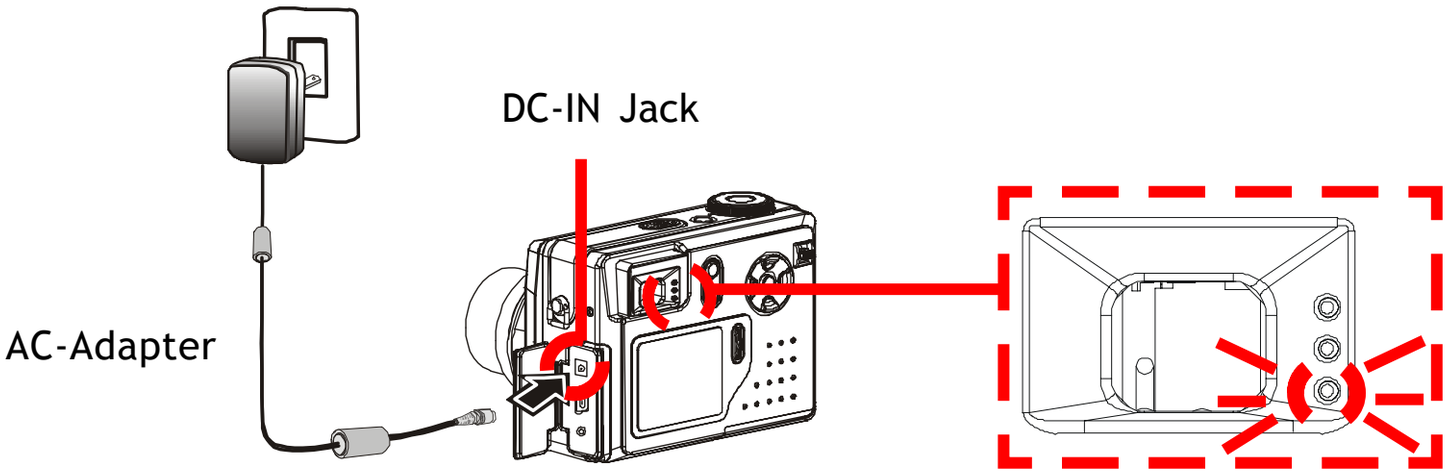
Charging it by USB cable

1. Connect the USB cable between this camera and the computer.
2. While charging, the Charge Indicator will light in orange. If the battery is fully charged, the Charge Indicator will be off.



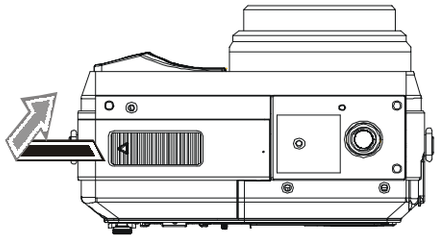
Charging it by AC Adapter

1. Connect the AC Adapter (5V,1A) to the DC IN jack and a house hold power outlet.
2. While charging, the Charge Indicator will light in orange. If the battery is fully charged, the Charge Indicator will be off.



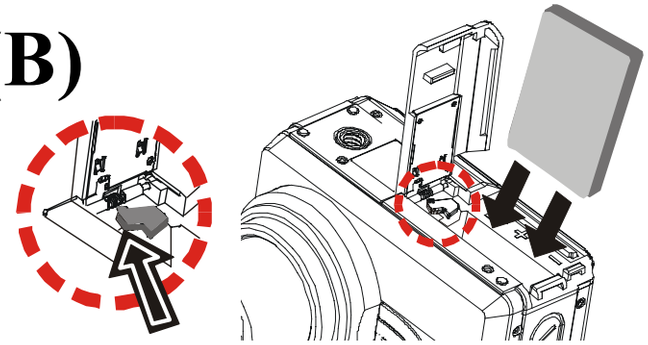
Loading battery

(A)



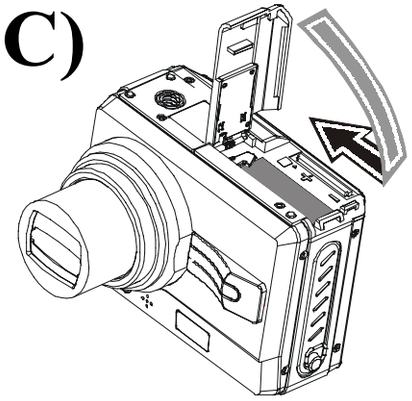
Pull out of the battery cover and uplift it.

(B)



Move the battery lock toward the cover and insert the **Li-ion battery** as shown above. Then push the Li-ion battery all the way in until it is securely locked.

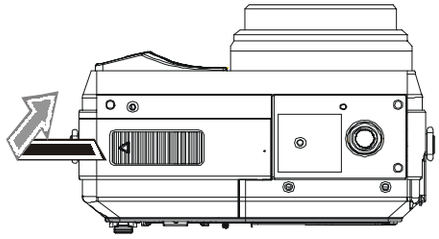
(C)



Press the battery cover down and push it inside until its clutch is connected to the unit.

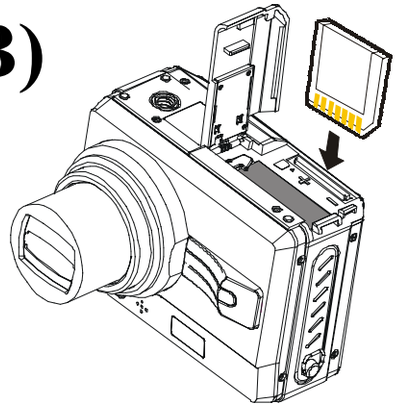
Inserting SD/MMC card (not supplied)

(A)



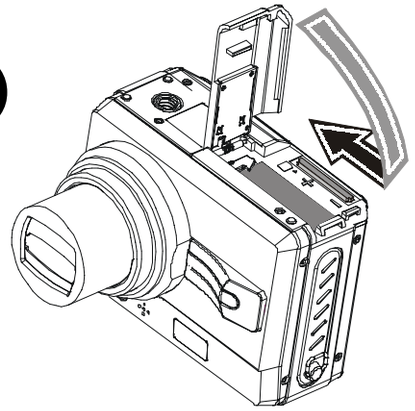
Pull out of the battery cover and uplift it.

(B)



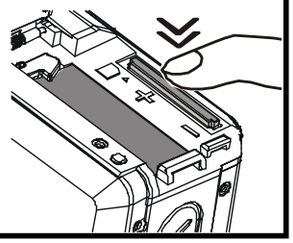
Insert the card as shown above. Push the card all the way in until it is securely locked.

(C)



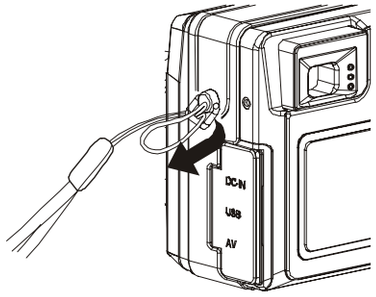
Close the cover.

To remove the card:
Open the cover, then push in the card to pop it out.



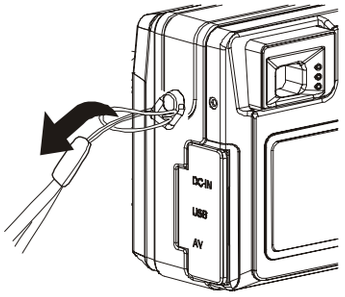
Attaching the strap

(A)



The small loop goes through the strap holder.

(B)



The big loop goes through the small loop and pull tight.

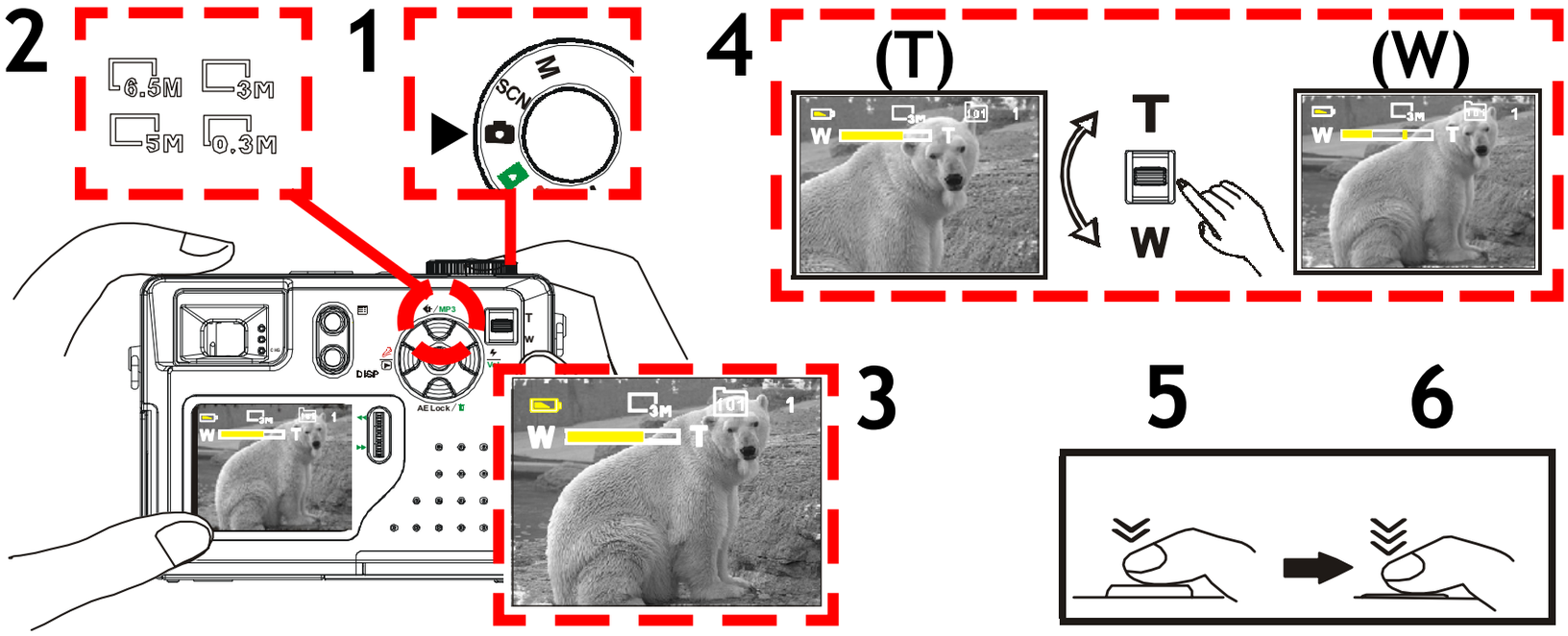
Setting the default *(Setup Mode)*

1. Power on the camera.
2. Turn the **Mode Dial** to **(Setup)** Mode.
3. Press the ▲▼◀▶ button or turn the **Jog Dial** to select the item, and press the ● **(OK)** button to confirm your setting.

	Items	Icon	Settings	Functions
1.	Button Beep		NO / YES	To set Beep sound
2.	Date Set		YY / MM / DD (year / month / day)	To set date for your camera
3.	Time Set		HH / MM / SS (hour / minute / second)	To set time for your camera
4.	Auto-Off		Off / 1.5Min / 3Min / 5Min	To set time to be auto-off your camera
5.	Video System		NTSC / PAL	To select the available TV signal format
6.	Format		NO / YES	To format the built-in memory or your memory card completely
7.	Digital Zoom		NO / YES	To set "Digital Zoom" function

Taking still pictures *(DSC Mode)*

1. Turn the **Mode Dial** to (**DSC**) Mode and press the **Power** button.
2. Press the (**Resolution**) button repeatedly to select the image size.
3. Position the subject in the viewfinder or in the LCD display.
4. Turn the zoom-in **(T)** or zoom-out **(W)** key to frame the subject.
5. To focus the subject, press the **Shutter** button halfway down.
6. To shoot, press the **Shutter** button all the way down.
7. To exit the DSC Mode screen, switch the **Mode Dial** to another mode.



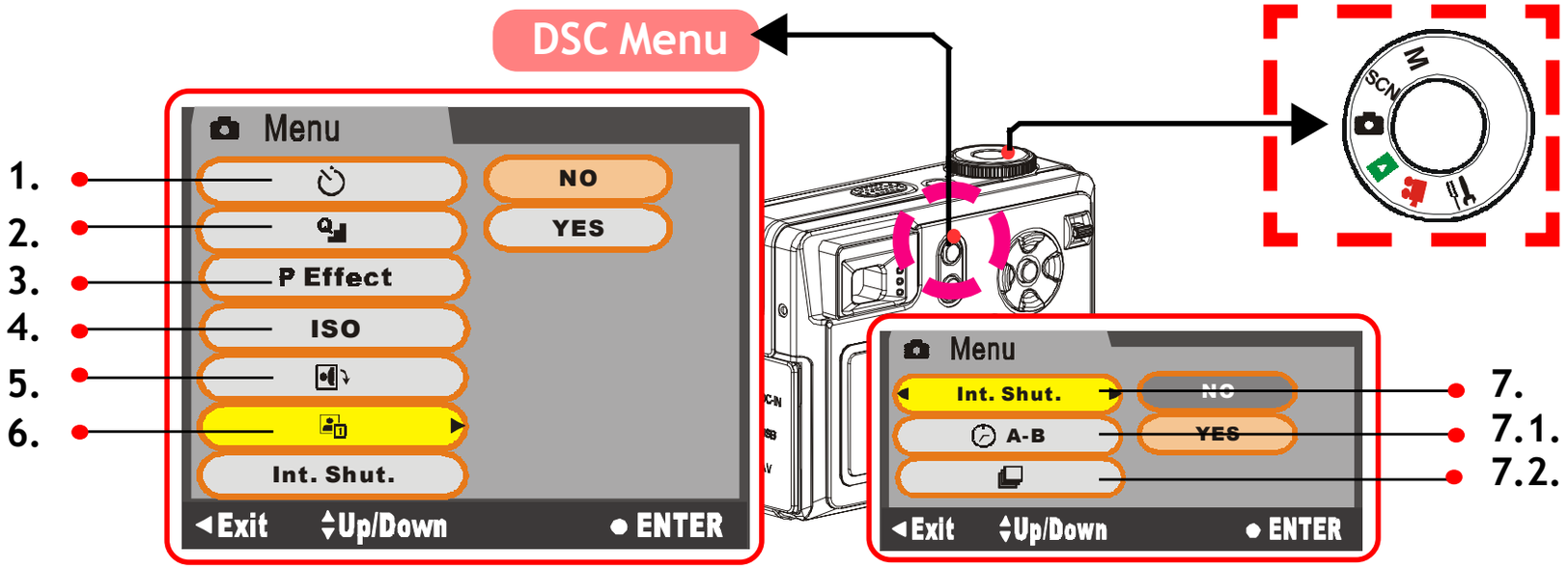
Note: To save energy, this camera allows you to switch off the LCD panel by pressing the **DISP** *button repeatedly.*

Info. Off —DISP→ **LCD Off** —DISP→ **LCD On**

DSC Menu settings

It allows you to set the basic shooting functions.

1. Turn the **Mode Dial** to (**DSC**) Mode.
2. Press the (**Menu**) button to enter the DSC Menu screen as below.
3. To select the menu item or its advanced setting, press the ▲▼◀▶ button or turn the **Jog Dial**. To confirm your setting, press the ● (**OK**) button.
4. To cancel the setting, press the ◀ button.
5. To exit the DSC Menu setting screen, press the (**MENU**) button.



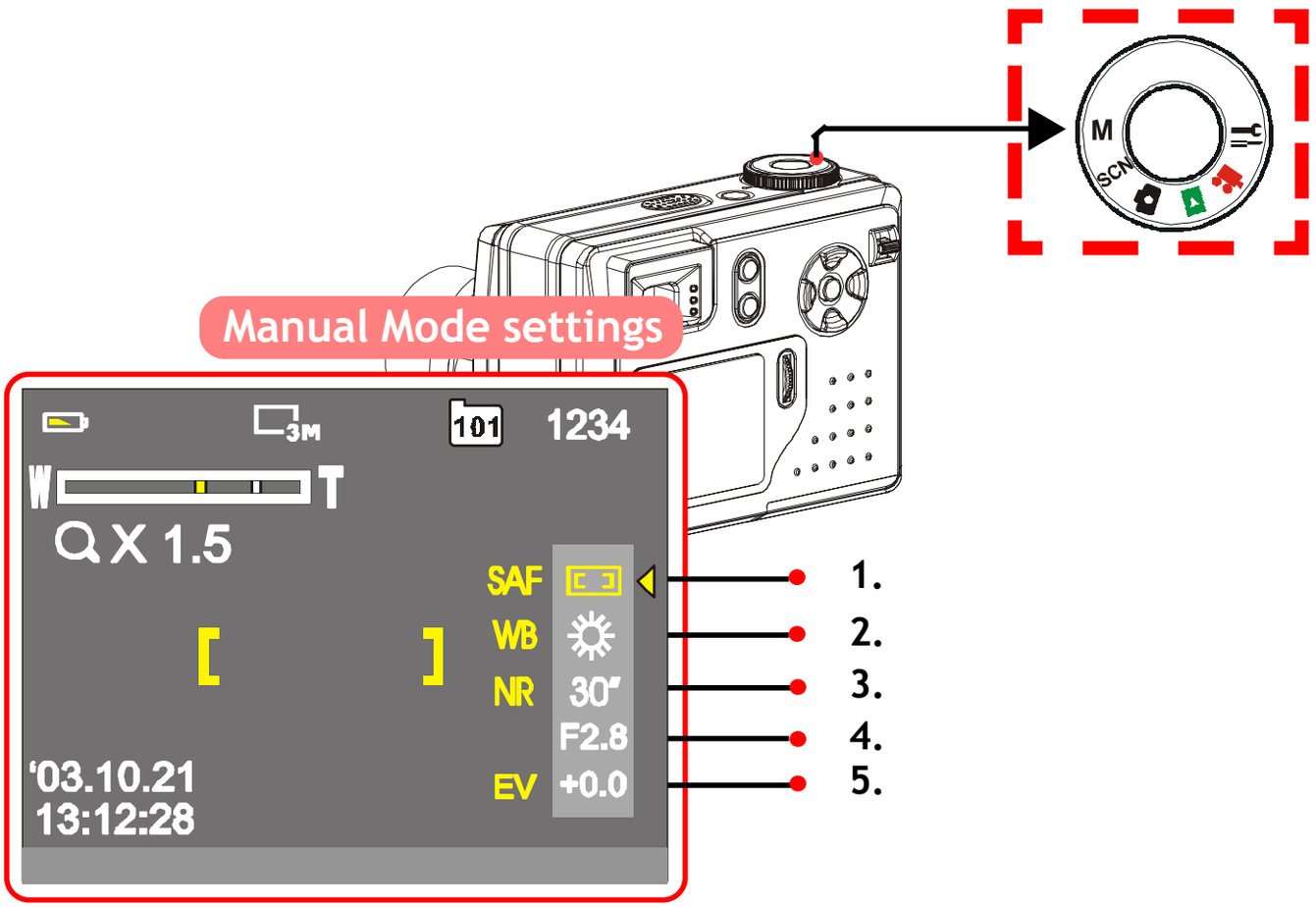
	Items	Icon	Settings	Functions
1.	Self-timer		OFF / ON (10 seconds)	To shoot the photograph of yourself
2.	Image Quality		Fine / High / Standard	To select image quality

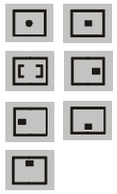
	Items	Icon	Settings	Functions
3.	P Effect		Off / Negative Art (like a negative) / Sepia (like an old photograph) / B&W / Solarize (like an illustration)	To add particular effects to your images
4.	ISO Sensitivity		100 / 200 / 400	To select the different sensitivity of the sensor
5.	Auto-Rotate		Auto / No	To autorotate the picture shot in portrait orientation and display it in landscape orientation
6.	Date Mark		NO / YES	To attach **Date** information to your image
7.	Int. Shutter		NO / YES	To set the continuous shooting function
7.1.	Recording Interval		30Sec / 1Min / 5Min / 10Min / 30Min	To set the interval time per image
7.2.	Recording Number		x2 / x3 / x5 / x10 / x30 / x50	To select the continuous shooting number

Manual settings *(Manual Mode)*

It allows you to set the advanced DSC functions.

1. Turn the **Mode Dial** to **M (Manual)** Mode and then the Manual Mode settings screen will show on the LCD panel automatically.
2. To select the menu item you want to set, turn the **Jog Dial**. Then press the ● **(OK)** button to enter the selected item.
3. Turn the **Jog Dial** to select the advanced setting or adjust the setting value. Then press the ● **(OK)** button to confirm your setting.
4. To exit the screen as below, switch the **Mode Dial** to another mode.

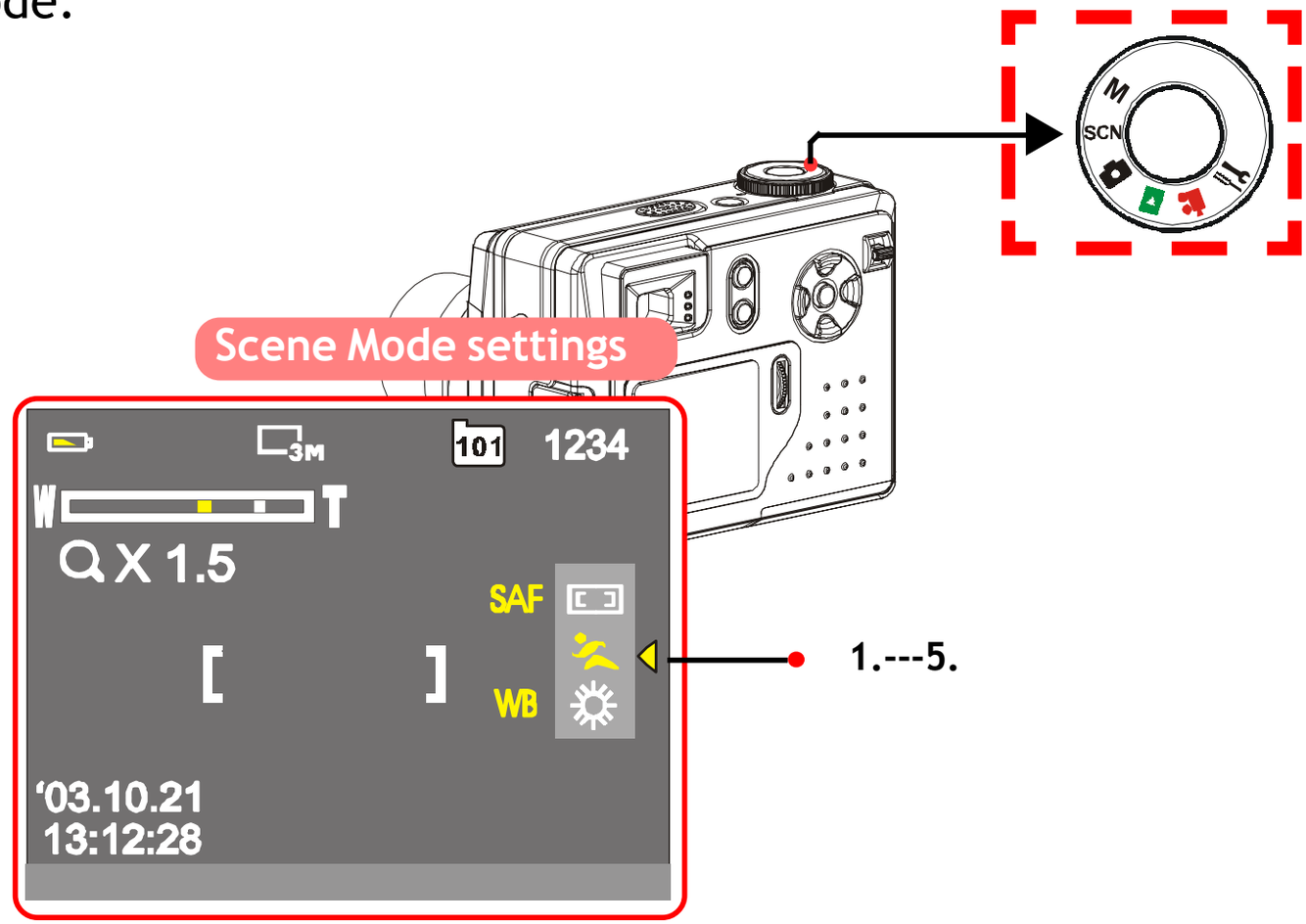


	Items	Icon	Settings	Functions
1.	Selected frame priority Auto Focus		Spot / Center / Multipoint / Right / Left/ Bottom / Top	To focus on and sharpen the specific portion of the subject while shooting
2.	White Balance		AUTO / Daylight / Cloud/ Fluorescence / Incandescence	To select color tones of the image while shooting under the different lighting conditions
3.	Shutter Speed		NR 30” --- 1/1000	To set the exposure time while shooting : 1) To capture and shoot the instant moving image with short time exposure 2) To brighten the moving image and bring about the flowing effect while shooting with long time exposure
4.	Aperture Value		**F 2.8** (Sharp subject and blur background) / **F 8.0** (Sharp subject and background)	To select the different focus depth for deciding the sharpness of subject and background while shooting
5.	Exposure Compensation		**-2.0**(Dark) --- **+2.0**(Bright)	To adjust the image brightness while shooting

Scene selection *(SCN Mode)*

It allows you to shoot in the different scene conditions for enhancing image quality.

1. Turn the **Mode Dial** to SCN **(Scene)** Mode and then the Scene Mode settings screen will show on the LCD panel automatically.
2. To select the menu item you want to set, turn the **Jog Dial**. Then press the ● **(OK)** button to enter the selected item.
3. Turn the **Jog Dial** to select the advanced setting. Then press the ● **(OK)** button to confirm your setting.
4. To exit the screen as below, switch the **Mode Dial** to another mode.

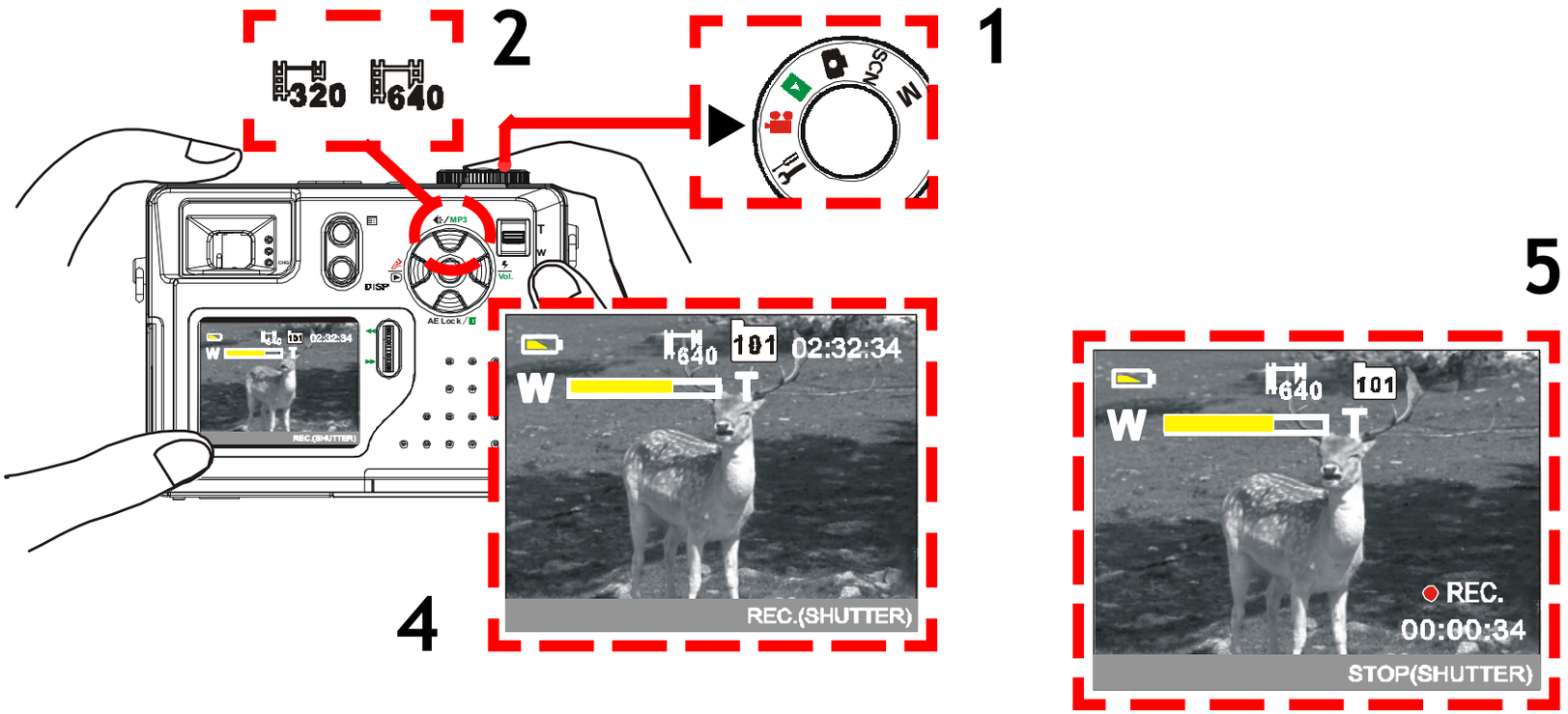


	Items	Icon	Functions
1.	Macro		To shoot from the close distance
2.	Twilight Portrait		To shoot portrait in dark place
3.	Landscape		To shoot the sharp landscape
4.	Sport		To capture and shoot the moving image
5.	Portrait		To shoot the sharp portrait with soft background

Note: You may also set "Selected frame priority Auto Focus" and "White Balance" functions (referring to "Manual settings" Chapter) in this SCN selection mode.

Taking Videos *(DV Mode)*

1. Turn the **Mode Dial** to **(DV)** Mode and press the **Power** button.
2. Press the **(Resolution)** button repeatedly to select the image size.
3. Position the subject in the viewfinder or in the LCD display.
4. To start recording, press the **Shutter** button fully down.
5. To stop recording, press the **Shutter** button fully down again.
6. To exit the DV Mode screen, switch the **Mode Dial** to another mode.



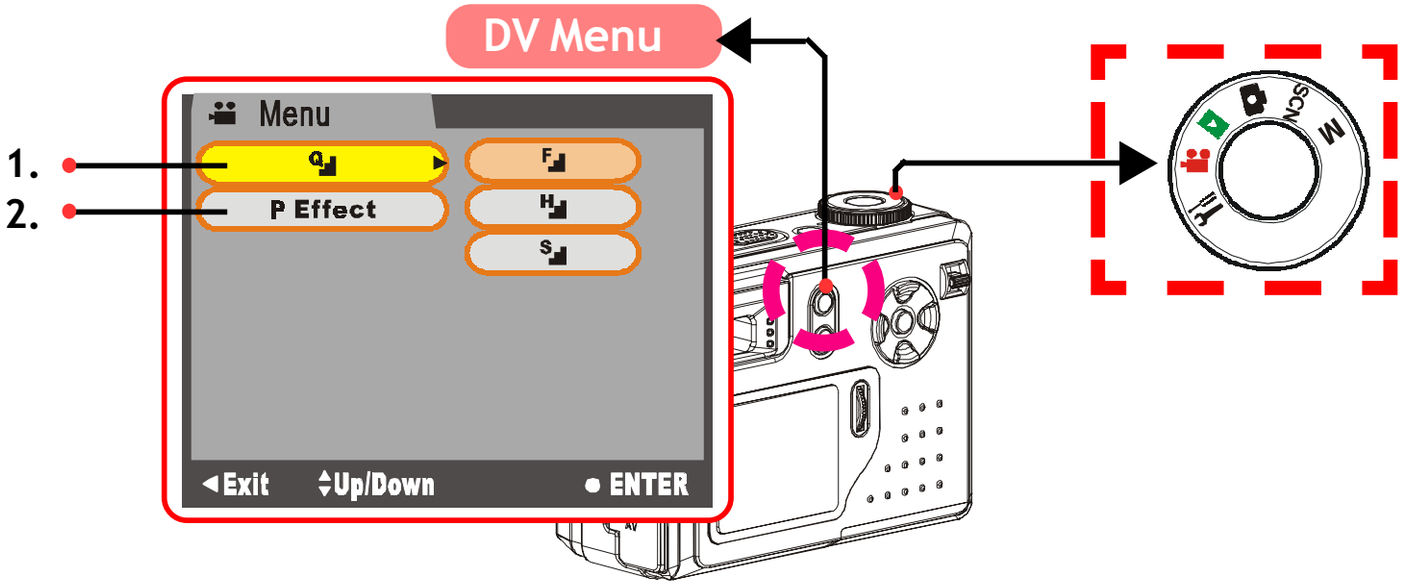
Note: To save energy, this camera allows you to switch off the LCD panel by pressing the **DISP** *button repeatedly.*

Info. Off —DISP→ LCD Off —DISP→ LCD On

DV Menu settings

It allows you to set the recording video functions.

1. Turn the **Mode Dial** to (**DV**) Mode.
2. Press the (**Menu**) button to enter the DV Menu screen as below.
3. To select the menu item or its setting, press the ▲▼◀▶ button or turn the **Jog Dial**. To confirm your setting, press the ● (**OK**) button.
4. To cancel the setting, press the ◀ button.
5. To exit the DV Menu setting screen, press the (**MENU**) button.

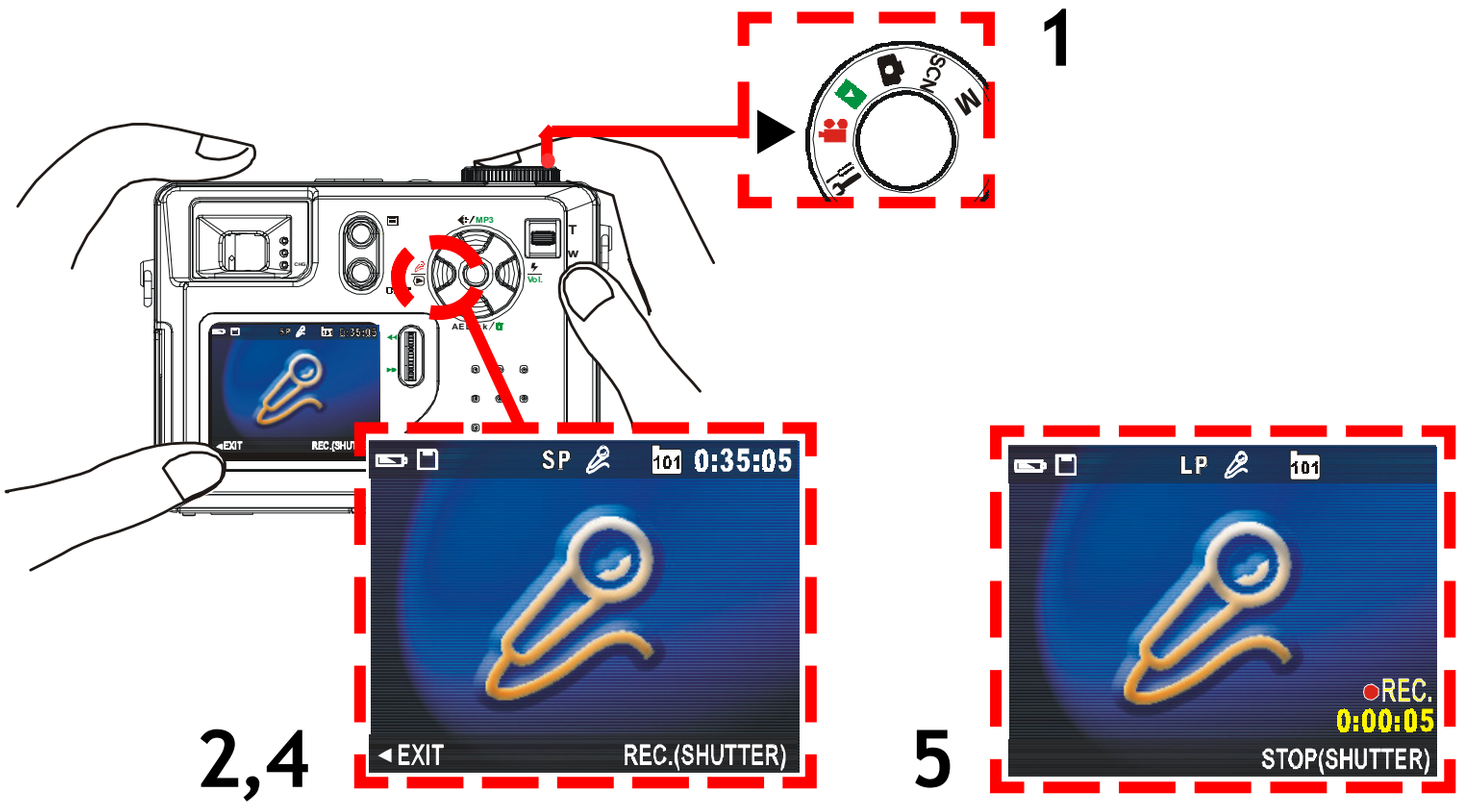


	Items	Icon	Settings	Functions
1.	Image Quality		Fine / High / Standard	To select image quality
2.	P Effect		Off / Negative Art (like a negative) / Sepia (like an old photograph) / B&W / Solarize (like an illustration)	To add particular effects to your images

Recording Voice

It allows you to record voice.

1. Turn the **Mode Dial** to **(DV)** Mode.
2. Press the (**Voice Recorder**) button to enter the **DVR** screen.
3. Press the **(Resolution)** button repeatedly to select the recording quality.
4. Position the microphone near voice source.
5. To start recording, press the **Shutter** button fully down.
6. To stop recording, press the **Shutter** button fully down again.
7. To exit the **DVR** screen, press the (**Voice Recorder**) button.



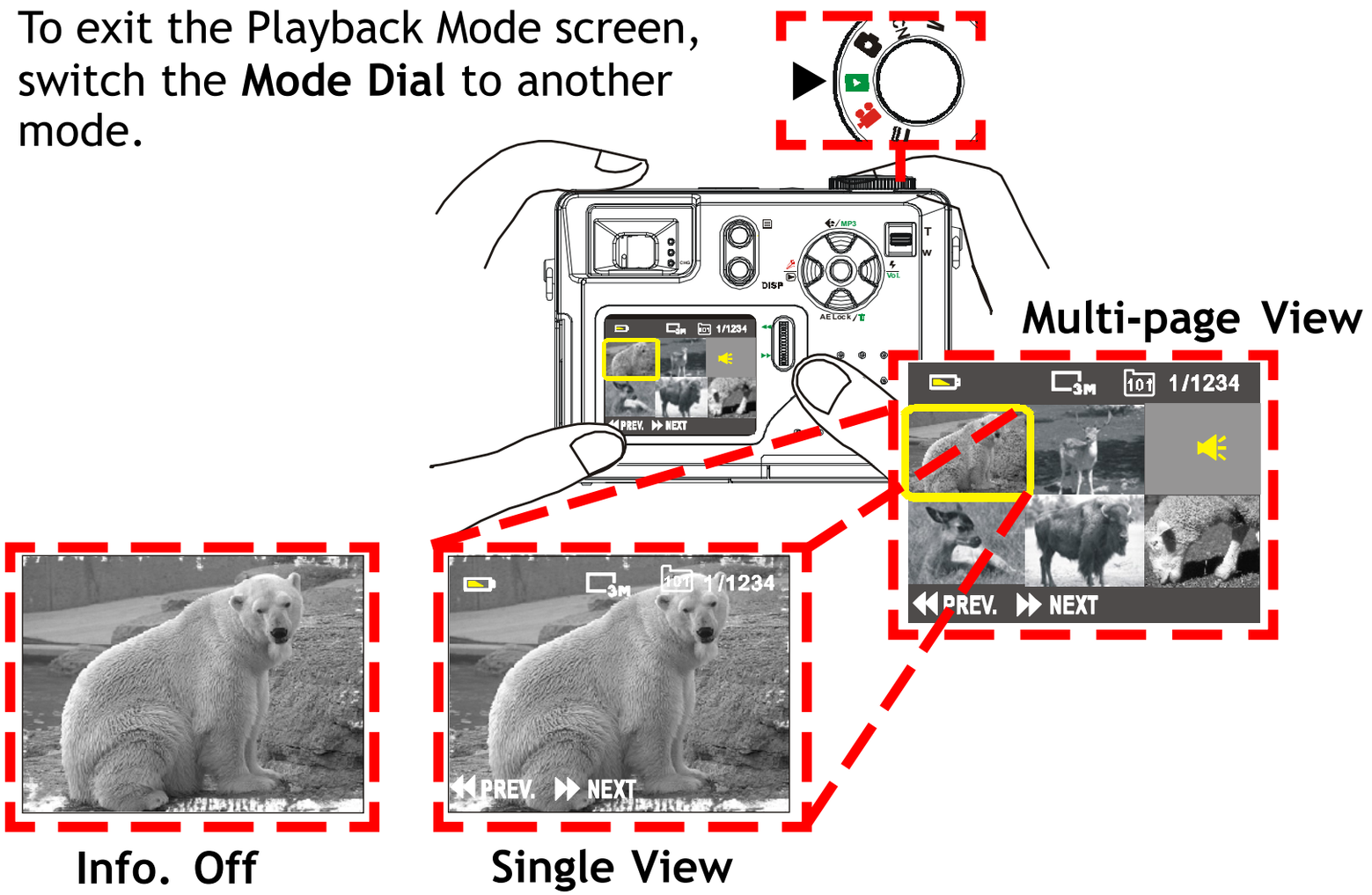
Playback *(Playback Mode)*

It allows you to play back images or MP3 files.

Playing images on the LCD screen

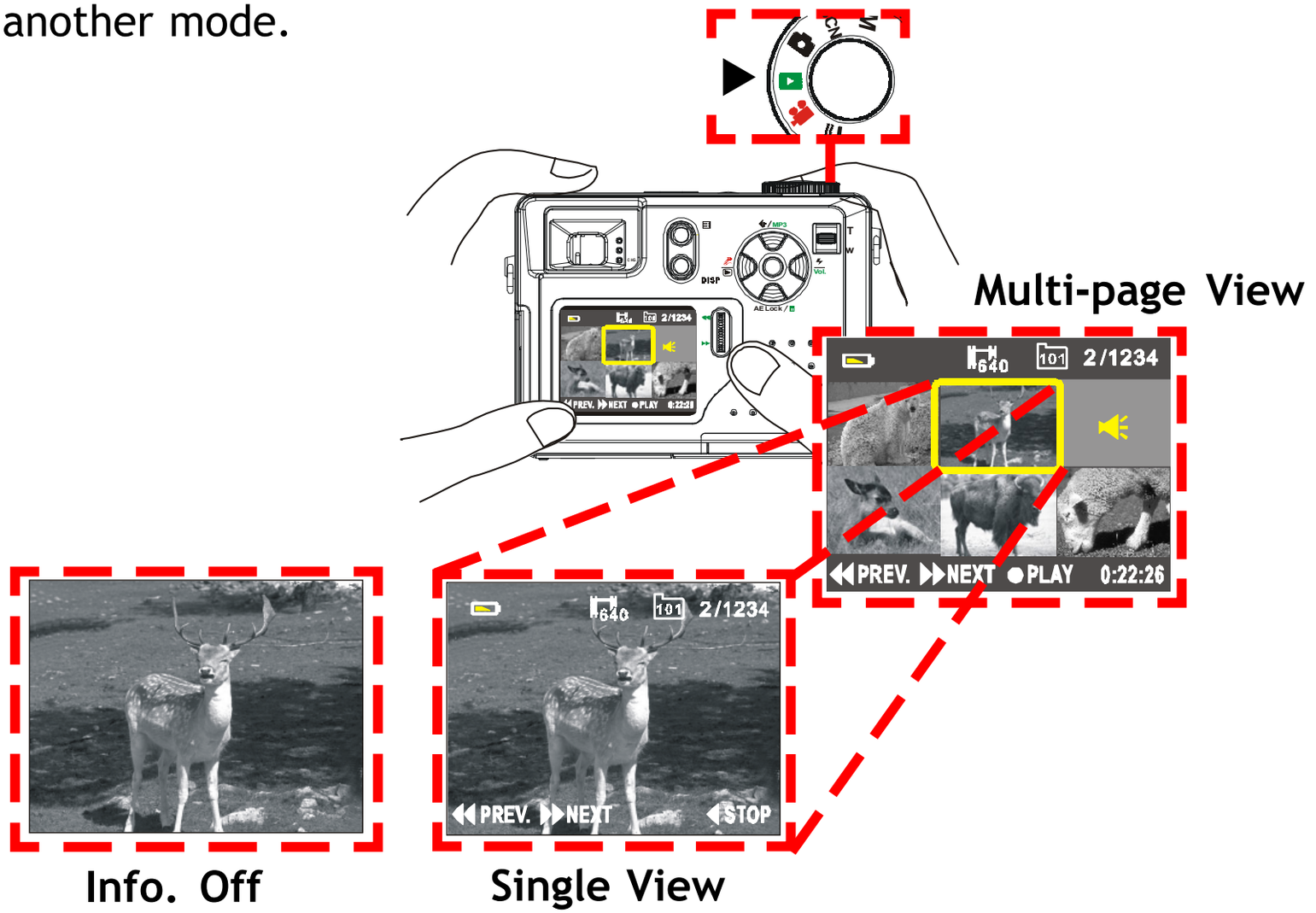
A: Playing Pictures

1. Turn the **Mode Dial** to **(Playback)** Mode.
2. Turn the **Jog Dial** to select the picture you want to view.
3. Press the **DISP** button repeatedly to play **a Single View**, **Multi-page View**, or set **Info. Off** function.
4. To exit the Playback Mode screen, switch the **Mode Dial** to another mode.



B: Playing Videos

1. Turn the **Mode Dial** to ▶ **(Playback)** Mode.
2. Turn the **Jog Dial** to select the video you want to view.
3. Press the **DISP** button repeatedly to play **a Single View**, **Multi-page View**, or set **Info. Off** function.
4. Press the ● **(OK)** button to play the recorded video. To pause, press the ● button again.
5. To stop, press the ◀ button.
6. To exit the Playback Mode screen, switch the **Mode Dial** to another mode.

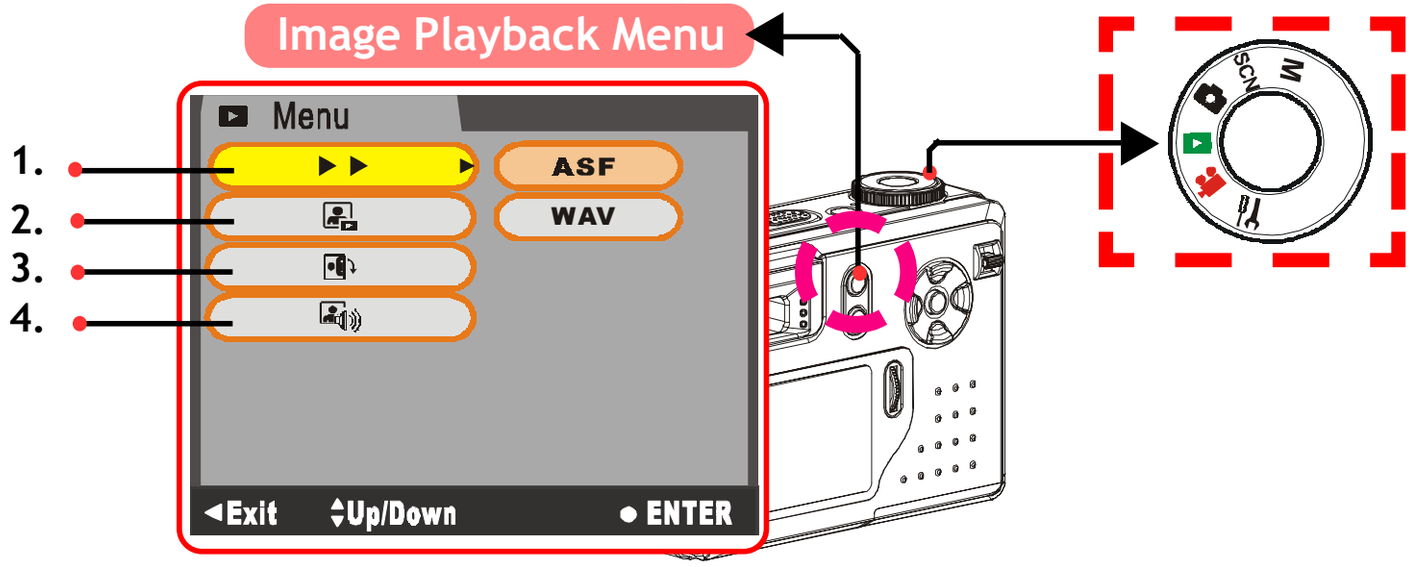


Playback Menu settings

En

It allows you to set the playback functions.

1. Turn the **Mode Dial** to ▶ **(Playback)** Mode.
2. Press the ☰ **(Menu)** button to enter the Menu screen as below.
3. To select the menu item or its advanced setting, press the ▲▼◀▶ button or turn the **Jog Dial**. To confirm your setting or pause playing, press the ● **(OK/Pause)** button.
4. To stop implementing or cancel the setting, press the ◀ button.
5. To exit the Playback Menu setting screen, press the ☰ **(MENU)** button.



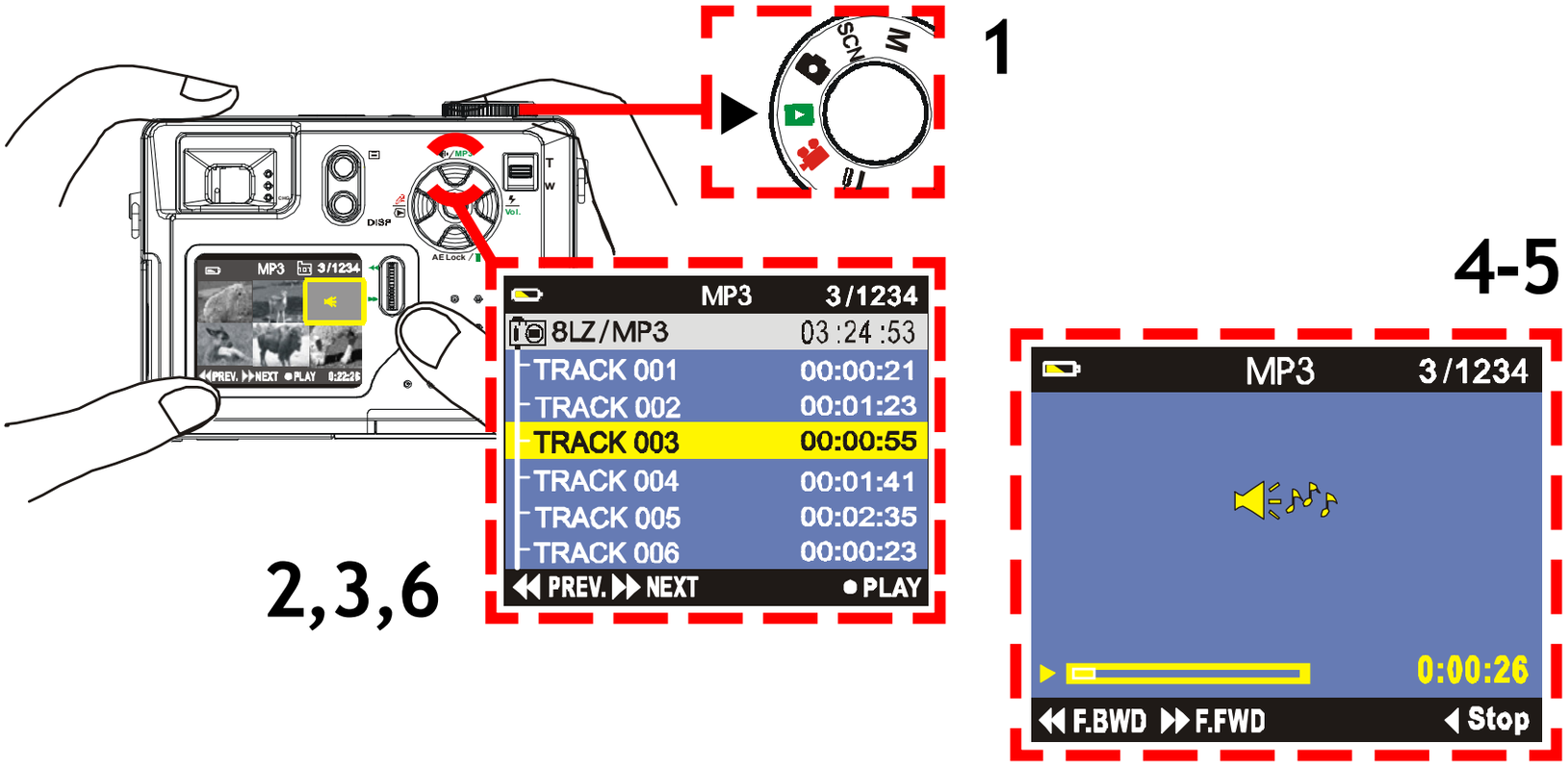
	Items	Icon	Settings	Functions
1.	Quick Search	▶▶	1) After selecting file format, press the ● button repeatedly to implement or pause searching all files. **OR** 2) Press the ◀ button to stop and come back the Playback Selection screen. Then, press the ● button to play the selected video file.	To have a quick search for all video files in a circle.

	Items	Icon	Settings	Functions
2.	Slide Show		1) Press the ● button repeatedly to implement or pause "Slide Show" function. 2) Press the ◀ button to stop.	To have a quick review of all pictures in a circle.
3.	Rotate		1) Turn the **Jog Dial** to select the image. 2) Press the ▲▼ button to rotate the image in -90 degree or +90 degree orientation). 3) Press the ● **(OK)** button to confirm your setting. 4) Press the ◀ button to exit.	To rotate the selected image ***(* Note: The image will wring and get bad quality if you rotate it frequently.)***
4.	Attach Voice		1) Press the **Shutter** button repeatedly to start or stop recording.	To attach voice to your images

En

Playing MP3 on the LCD screen

1. Turn the **Mode Dial** to ▶ **(Playback)** Mode.
2. Press the ▲ **(MP3)** button to enter MP3 Selection screen.
3. Then turn the **Jog Dial** to select one of the MP3 music.
4. Press the ● **(OK/Pause)** button repeatedly to play back or pause MP3 music.
5. To stop the MP3 music, press the ◀ button.
6. To exit the MP3 Selection screen, press the ▲ **(MP3)** button.



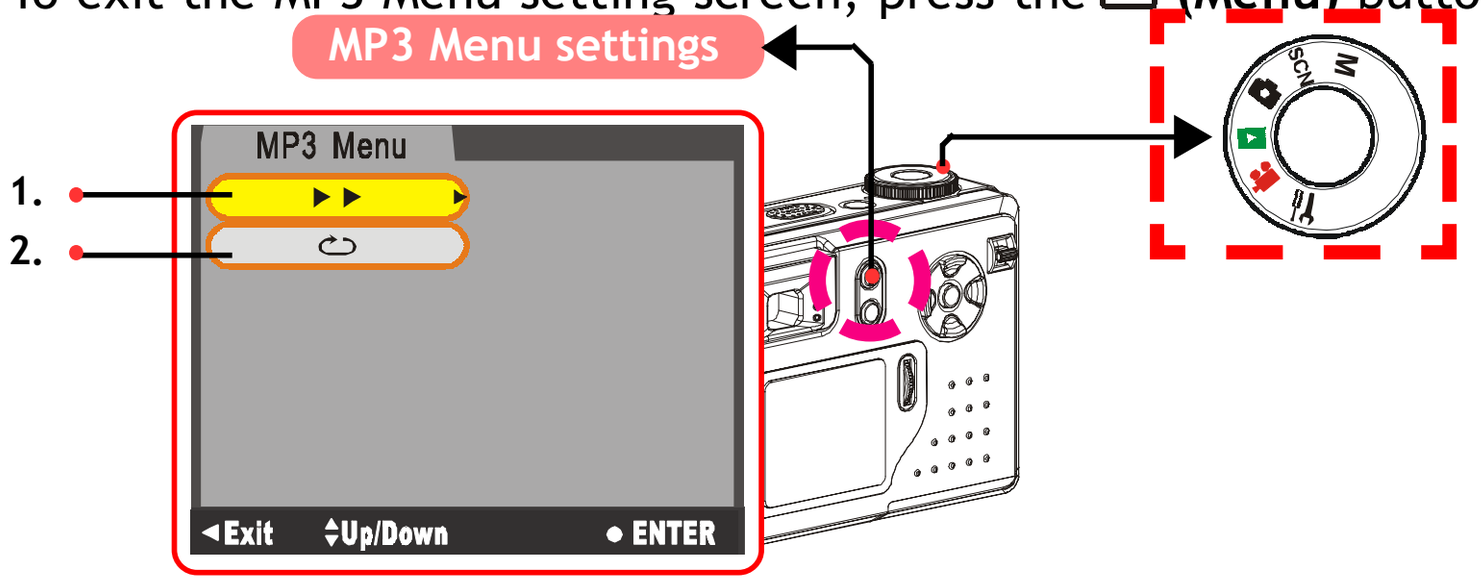
Note: To save energy, this camera allows you to switch off the LCD panel by pressing the **DISP** *button repeatedly.*

LCD Off —DISP→ LCD On

Playback Menu settings *(for MP3)*

It allows you to set the MP3 playback functions.

1. Turn the **Mode Dial** to ▶ **(Playback)** Mode.
2. Press the ▲**(MP3)** button to enter MP3 Selection screen.
3. Press the ☰ **(Menu)** button to enter MP3 Menu settings screen.
4. To select the menu item or its advanced setting, press the ▲▼◀▶ button or turn the **Jog Dial**. To confirm your setting or pause playing, press the ● **(OK/Pause)** button.
5. To stop implementing or cancel the setting, press the ◀ button.
6. To exit the MP3 Menu setting screen, press the ☰ **(Menu)** button.

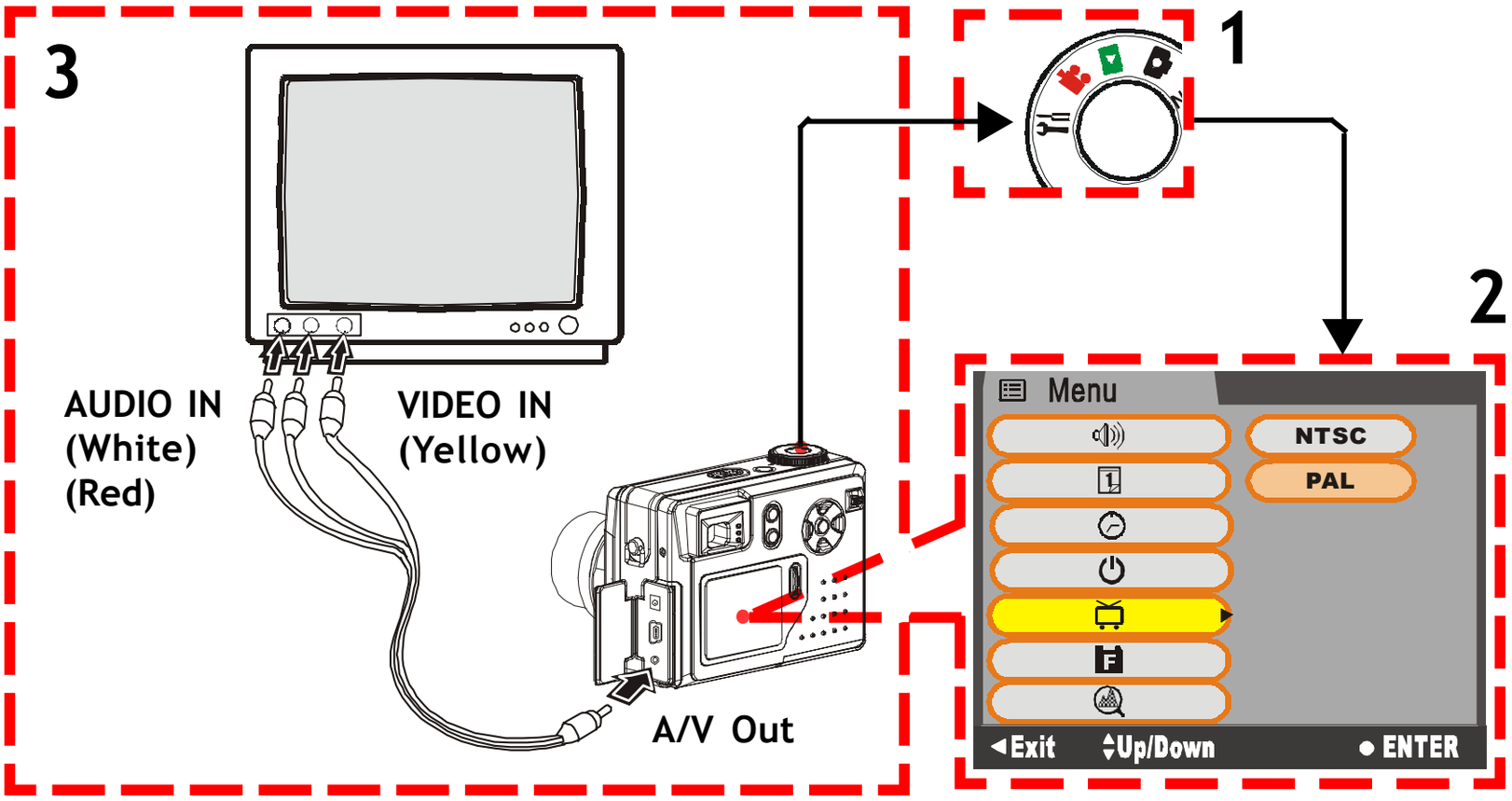


	Items	Icon	Settings	Functions
1.	Quick Search	▶▶	(Referring to " **Image Playback Menu--Quick Search**" content.)	To have a quick search for all MP3 music in a circle
2.	Repeat	↻	Normal / One / All	To select repeating way to play back MP3 music

Playing images on TV

1. Turn the **Mode Dial** to **(Setup)** Mode.
2. Then select **NTSC** or **PAL** in the **(Video System)** setting as same as your TV system's settings.
3. Connect your camera to a TV at VIDEO IN (yellow) and AUDIO IN (white) port via the video cable.
4. Turn on the TV. * Select "Video" as TV input.
5. If you want to play the video, turn the **Mode dial** to **(Play back)** Mode and then follow the "**Playback Chapter**" steps.

Note: You may also implement the other functions through TV frame.



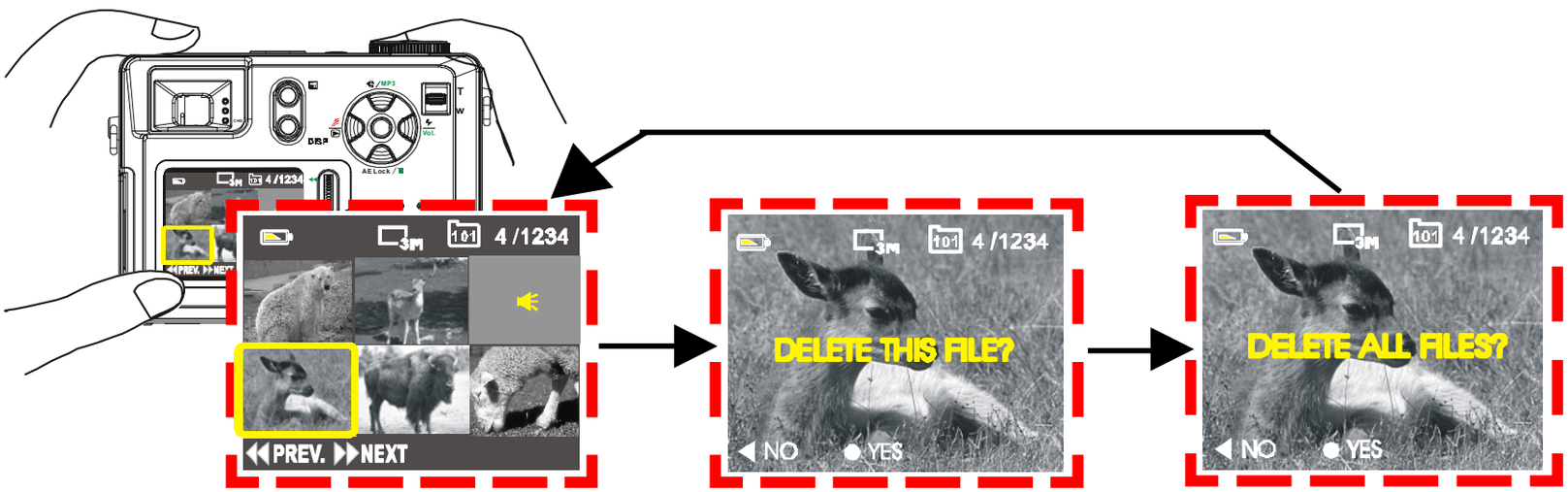
Deleting Files

DSC Mode

1. Turn the **Mode dial** to **(DSC)** mode.
2. Press the **(Quick Review)** button to have a quick review of the last picture you shot.
3. Press the **(Delete)** button to enter the delete screen. And then press the ● **(OK)** button to delete the last picture.

Playback Mode

1. Turn the **Mode dial** to **(Playback)** mode.
2. Then turn the **Jog Dial** to select the file (picture/video/MP3/ audio) you want to delete.
3. Press the **(Delete)** button repeatedly to select " **DELETE THIS FILE?**", or " **DELETE ALL FILES?** " screen or come back the **"Playback"** screen.
4. To delete one or all files, press the ● **(OK)** button. To exit the selected Delete screen, press the ◀ button.



Installing Software

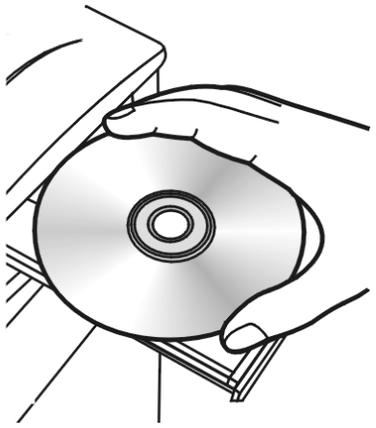
Note: For WinXP users, please refer to 'Notice to Windows XP Users' note.

1. Insert installer CD into the CD-ROM drive ***(see A)***.
2. Close the CD-ROM drive.
3. An installer wizard will automatically launch.

If the installer wizard does not appear, then;

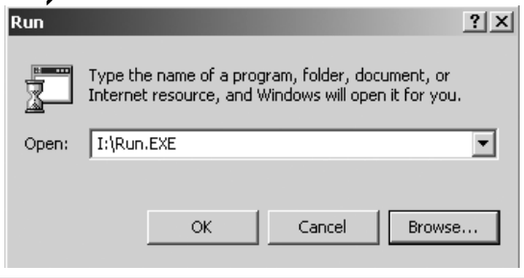
4. You can click **Start** in the Windows Taskbar. Then, select **Run** to continue ***(See B)***.
5. Click **Browse** to search the file path, and select **RUN.exe** in your CD-ROM drive ***(See C)***.
6. Click **Open.**
7. Click **OK.**
8. Follow the on-screen instructions to complete driver installation and the bundled software.

(A)



(B)

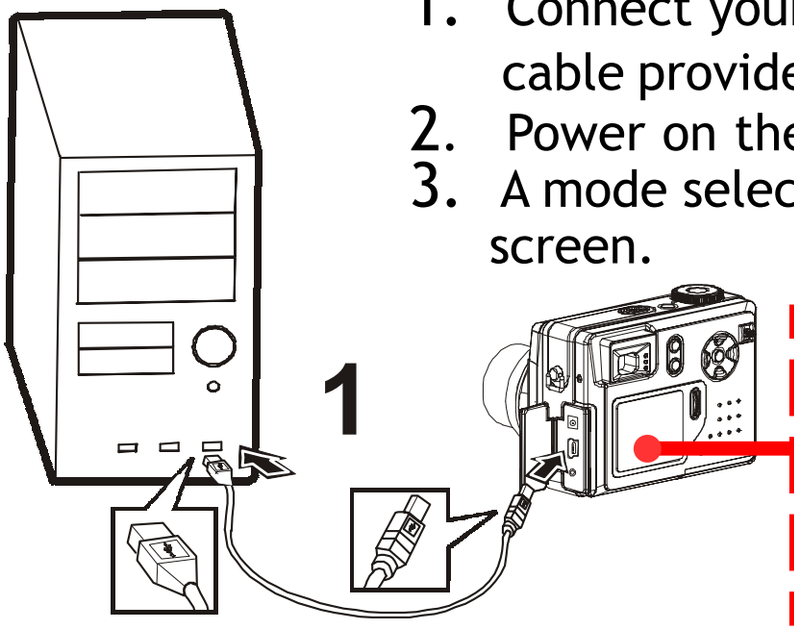
(C)

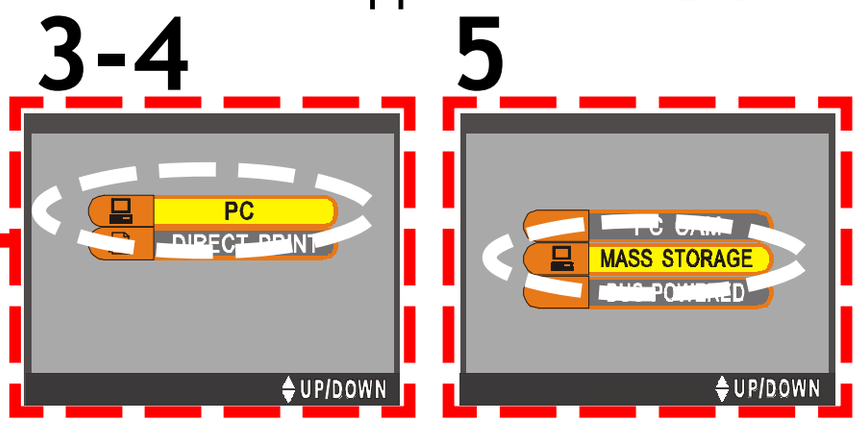


Transferring Files

Connecting to PC

1. Connect your camera to a computer via USB cable provided as shown below.
2. Power on the camera.
3. A mode selection item will appear on the LCD screen.





4. Select **PC** item, and press the ● **(OK)** button to enter **PC** Menu screen.
5. Select **MASS STORAGE** item in **PC** Menu screen, and press the ● **(OK)** button for a while to enter **MASS STORAGE** Mode until the 💻 icon moves to the left side of "**MASS STORAGE**" item.
6. In the Windows (98SE/Me/2000/XP), your PC will detect the camera after connection.

6

Note: For Windows 98SE users, please install the Installer CD first.

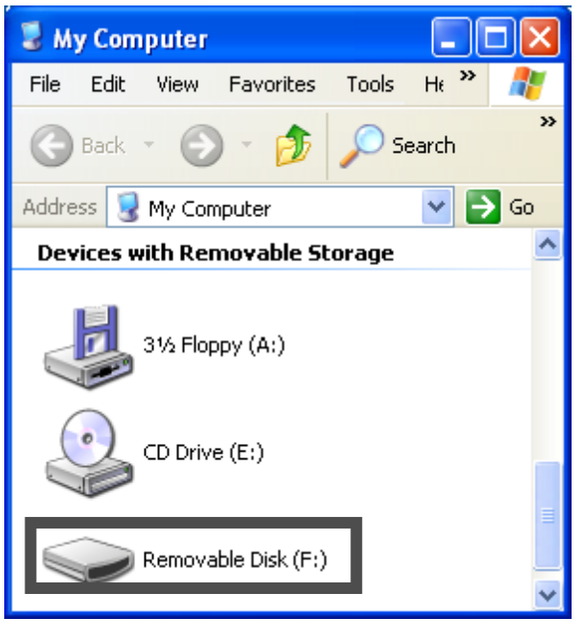
7. Click **My Computer** on the desktop.
8. A removable disk drive appears.
9. Double click on the removable disk.
10. Double click on the DCIM folder.

WARNING: Please do not copy any files into the DCIM folder of your camera. Otherwise it may cause the camera unstable or crash.

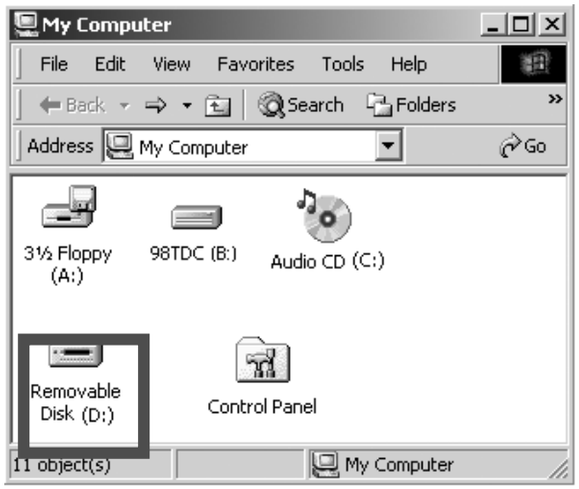
11. Then, You can drag-and-drop files to your PC.

8

Windows XP



Windows 98SE/Me/2000

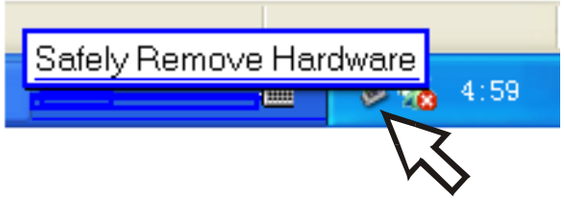


Removing the camera

Windows XP (A)

1. Click **Safely Remove Hardware** ( ) icon in the taskbar.
2. Select **Safely remove USB Mass Storage Device** from the menu.

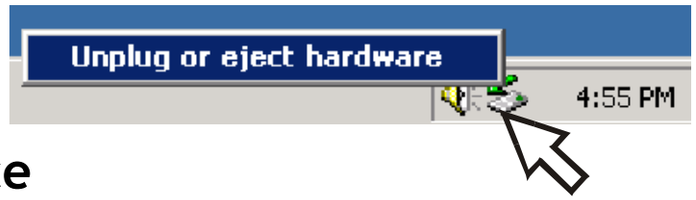
(A) Windows XP



Windows 2000/Me (B)

1. Click **Unplug or Eject Hardware** ( )icon in the taskbar.
2. Select **Stop USB Mass Storage Device** from the menu (Windows 2000). Select **Stop USB Disk** from the menu (Windows Me).

(B) **Windows 2000/Me**



(C) **Windows 98SE**

Windows 98SE (C)

1. In My computer, Right click on the removable disk corresponding to the camera.
2. Select **Eject** from the menu.

For MAC users

(MAC OS: 9.x and 10.1 above)

By connecting your camera to a MAC computer (referring to **"Connecting to PC"** Chapter), it will automatically detect Mass Storage drive. You can easily manipulate your files the way you do in MAC user interface.

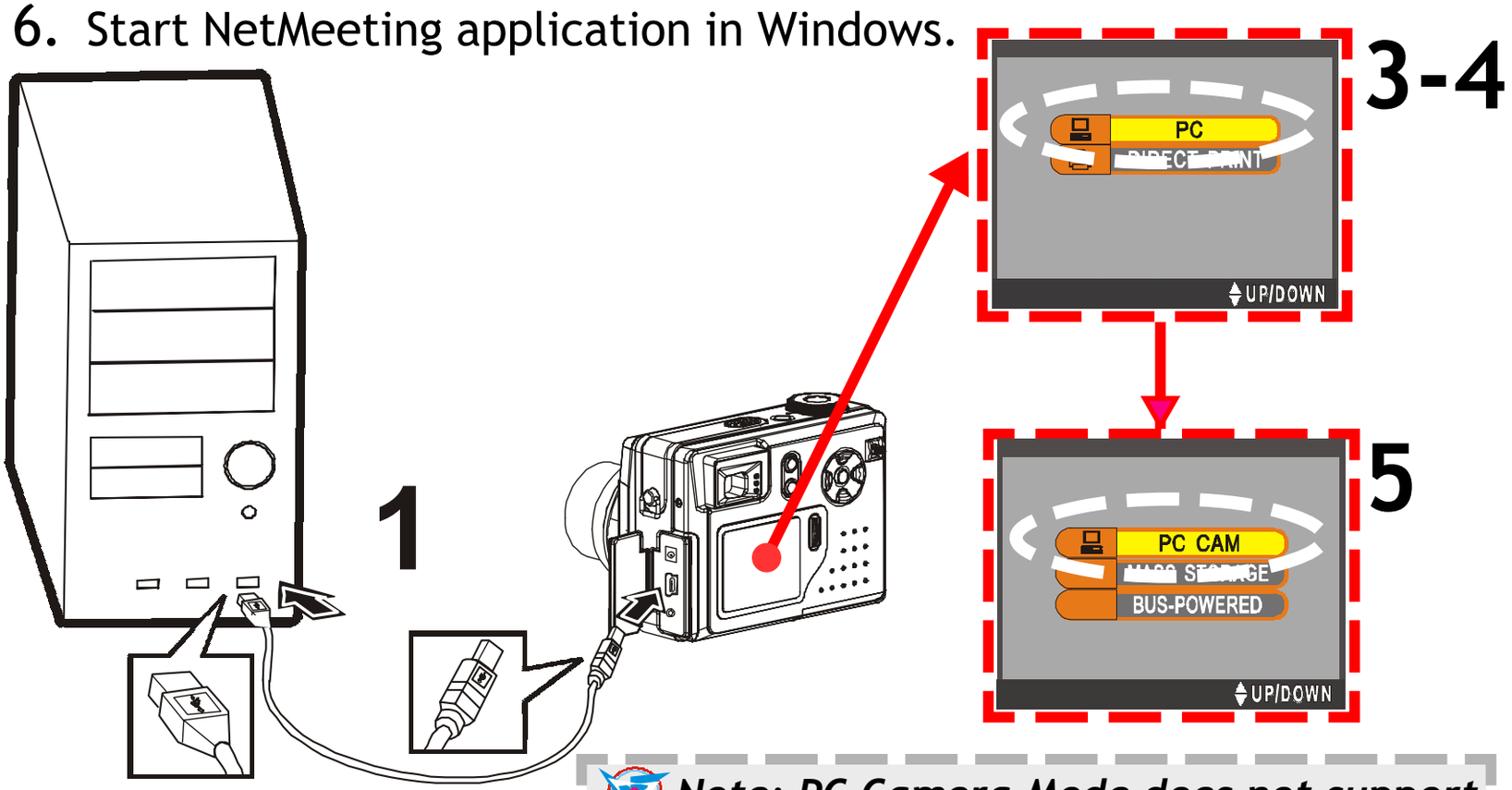
Removing the camera from MAC

1. Select the camera icon (shown as 'NO_NAME'or 'untitled' drive) on the desktop.
2. Drag and drop the drive to the Trash.

Using as PC Camera

(OS: 98SE/Me/2000/XP)

1. Connect your camera to a computer via USB cable as shown below.
2. Power on the camera.
3. A mode selection item will appear on the LCD screen.
4. Select **PC** item, and press the ● **(OK)** button to enter **PC** Menu screen.
5. Press the ▲ button or turn the **Jog Dial** to select **PC CAM** item in the **PC** Menu screen. Then press the ● **(OK)** button for a while to enter **PC CAM** Mode until the icon moves to the left side of "**PC CAM**" item.
6. Start NetMeeting application in Windows.

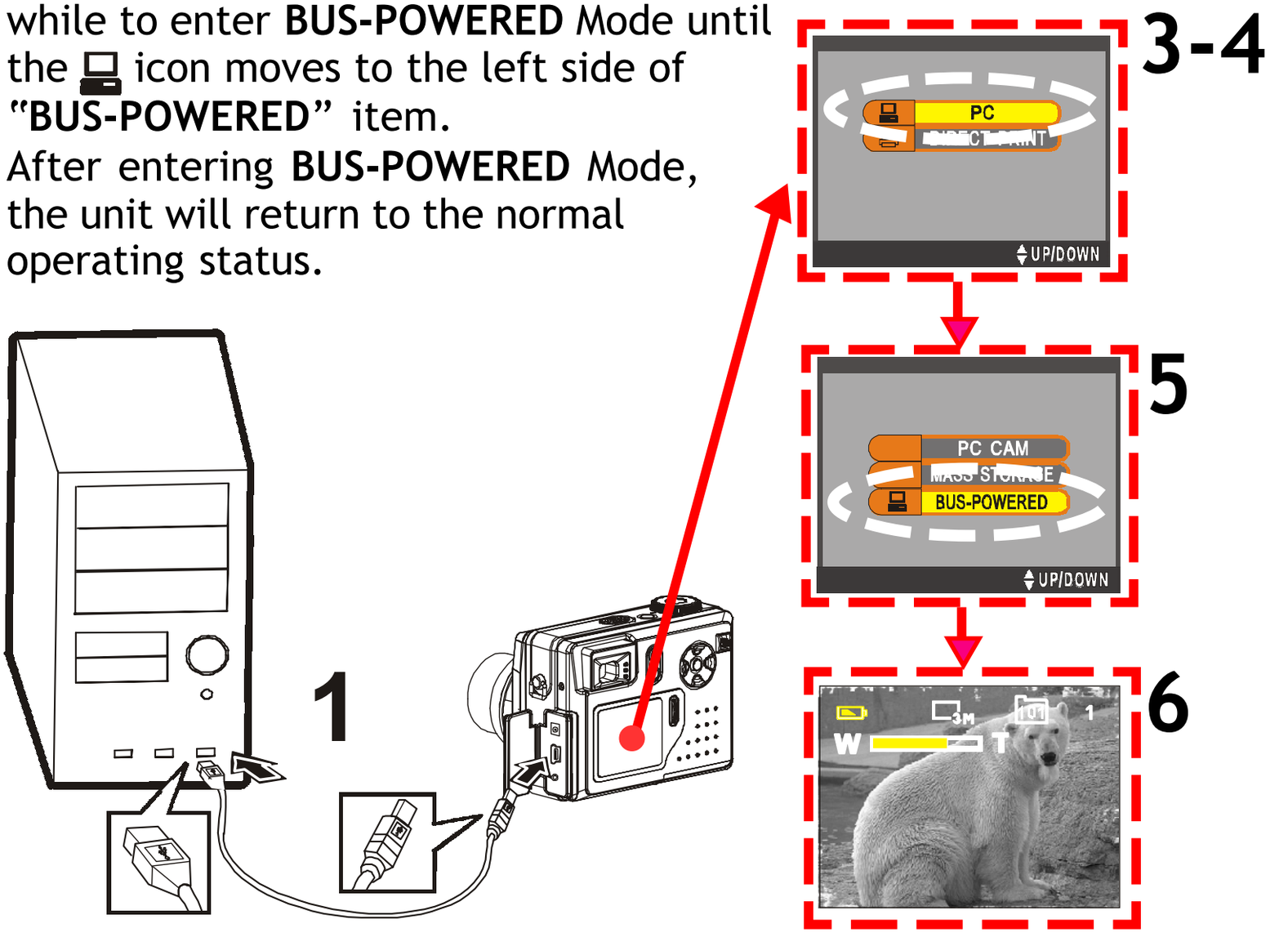


Note: PC Camera Mode does not support MAC computers.

Shooting with USB Connection

It allows you to operate this camera with computer's power.

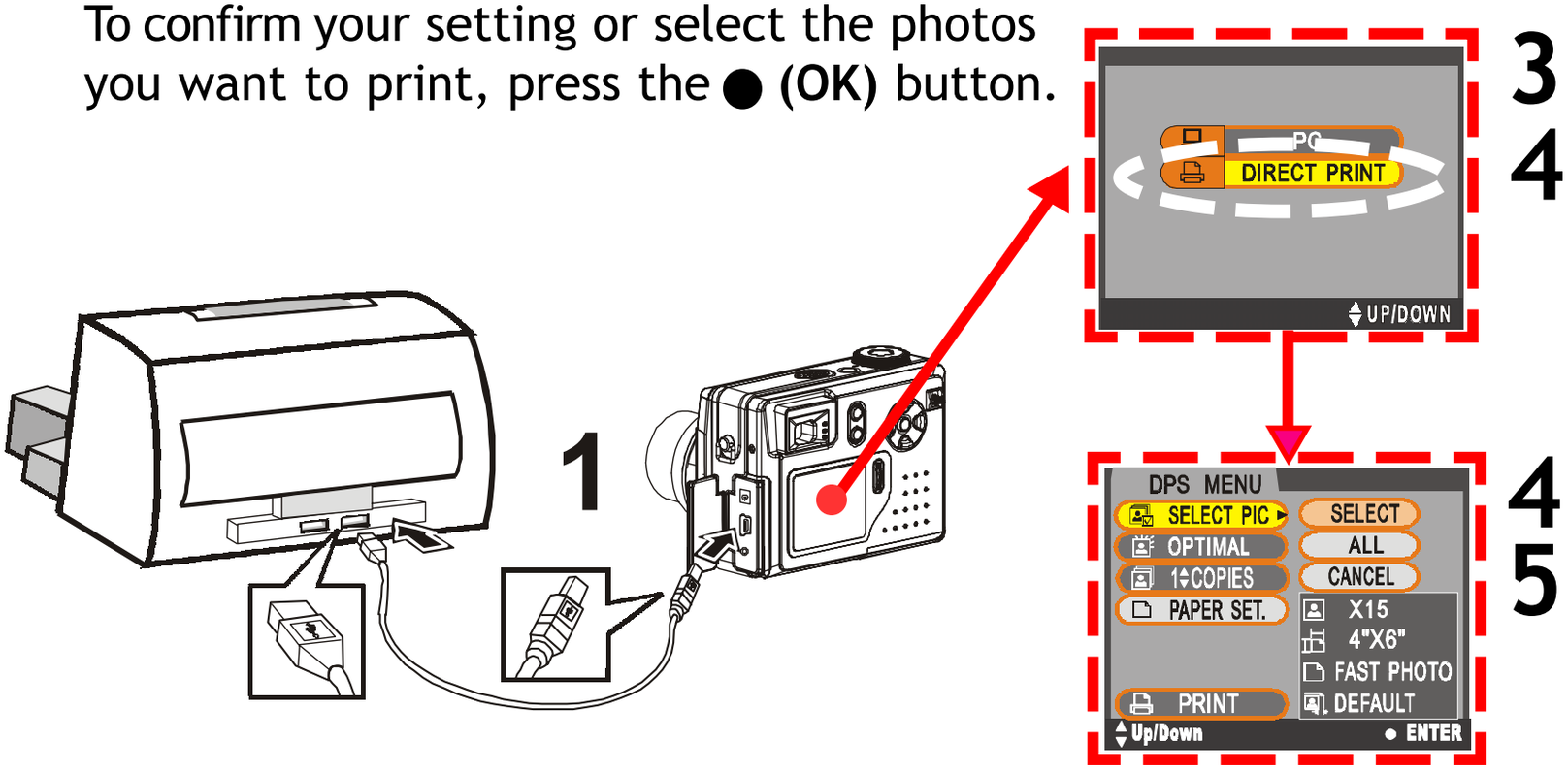
1. Connect your camera to a computer via USB cable as shown below.
2. Power on the camera.
3. A mode selection item will appear on the LCD screen.
4. Select **PC** item, and press the ● **(OK)** button to enter **PC** Menu screen.
5. Press the ▼ button or turn the **Jog Dial** to select **BUS-POWERED** item in the **PC** Menu screen, and press the ● **(OK)** button for a while to enter **BUS-POWERED** Mode until the icon moves to the left side of "**BUS-POWERED**" item.
6. After entering **BUS-POWERED** Mode, the unit will return to the normal operating status.



Printing Images (DPS)

If your printer supports DPS (Direct Print Services) function, the photos stored in this DSC can be printed directly without attaching to an extra computer.

1. Connect your camera to a printer via USB cable as shown below.
2. Power on the camera.
3. A mode selection item will appear on the LCD panel.
4. Select **DIRECT PRINT** item, and a message screen appears to remind you not to connect to PC. To enter the **DPS** Menu screen as shown below, press the● button. To exit the message screen, press the ◀ button.
5. To select the menu item or its advanced setting on the **DPS** Menu screen, press the ▲▼◀▶ button or turn the **Jog Dial**. To confirm your setting or select the photos you want to print, press the ● **(OK)** button.



	Items	Icon	Settings	Functions
1.	Select Pic		Select Particular/ All / Cancel	To select particular or all images for print
2.	Optimal		Off / On / Default	To enhance image quality
3.	1 ▲▼ Copies		Press the ▲ ▼ ◀ ▶ button or turn the **Jog Dial** to set copy numbers	To set copy numbers
4.	Paper Set		The setting information will show on the right side of the "Paper Set" item.	
4.1.	Size		4"x6"/5"x7"/8.5"x11"/Default	To set paper size
4.2.	Paper		Photo / Fast Photo / Default	To set paper type
4.3.	Border		Off / On / Default	To set borders
5.	Print		1) Press ● button to print 2) Press ◀ button to cancel	To print the selected image