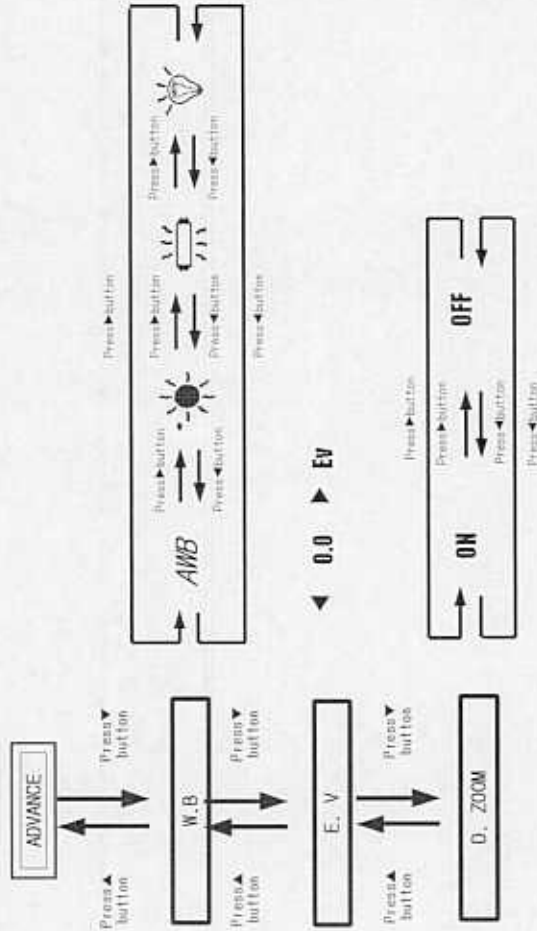


SETTING UP SHOOTING FUNCTION





ADVANCE

Change the set status by using the 4 direction buttons on the ADVANCE menu screen.



■ W.B (White Balance)

The color of the pictured image may alter according to lighting conditions during shooting. By using this function, you will be able to obtain more naturally colored images depending on light conditions.

- 
AWB Auto : Camera automatically selects the optimum white balance depending on the conditions of the ambient lighting.
- 
Sunlight : This should be used to obtain shots in normal outdoor light conditions.
- 
Fluorescent light : This is suitable for indoor shooting under fluorescent light conditions.
- 
Tungsten lamp : This is suitable for indoor shooting with artificial or tungsten lighting.

SETTING UP SHOOTING FUNCTION


■ E.V

This camera will control the exposure value automatically and you can select exposure compensation.

- Select the exposure value by using the left or right direction button after moving the cursor bar onto EV
- ↳ If you increase the exposure you will obtain a brighter image.
- ↳ If you decrease the exposure, you will obtain a darker image.



Reference

- The initial setting of the exposure compensation : 0.00EV
- ↳ This camera controls the exposure value automatically.
- The set of range of the exposure compensation is : -2.00 ~ +2.00EV (0.25EV interval)
- The set exposure compensation value will remain until the power is turned off. When you switch on the power again, the exposure compensation will automatically set itself to 0.00 EV.
- If you select the exposure compensation value, the exposure compensation() will show on the Camera status LCD.
- Be cautions when you use the exposure compensation because the LCD monitor looks black and the exposure lacks if you use(-) exposure compensation. The LCD monitor looks white and the saturation can happen if you use (+) exposure compensation.

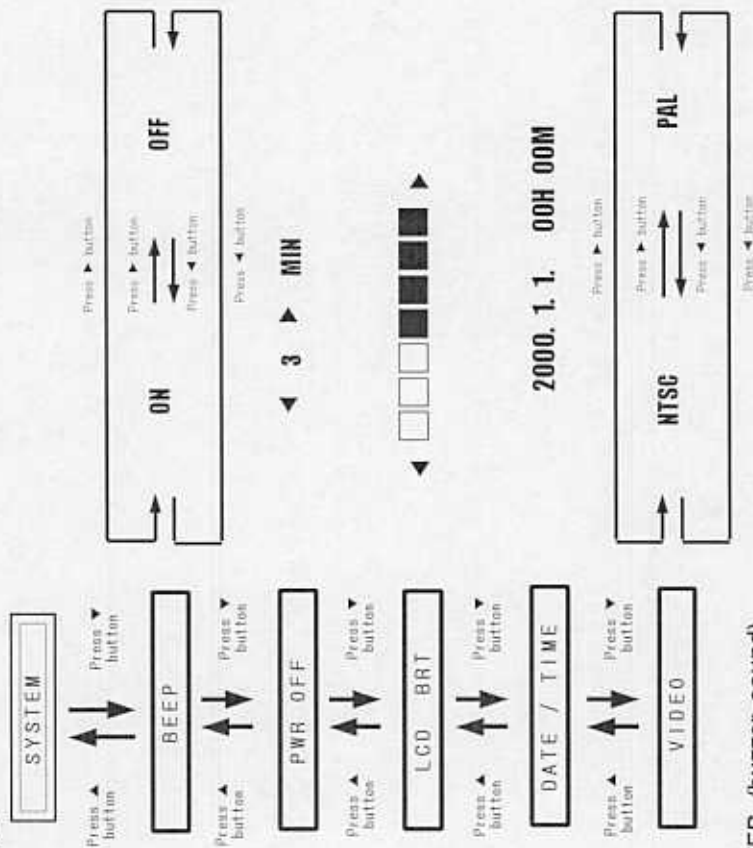
■ D.ZOOM

- If you select ON, the function of digital zoom is selected and it remains regardless of the power ON/OFF setup.
- ↳ Because this camera support the digital zoom of up to two times, you can get shot of six times zoom if you use it with the optical zoom of three times.
- ↳ Refer to the page 46 about the detail information on the digital zoom shot.
- If you select OFF, the function of the digital zoom is canceled.

SETTING UP SHOOTING FUNCTION

SYSTEM

Change the set status in the SYSTEM menu screen by using the 4 direction buttons.



■ BEEP (buzzer sound)

If the beep is set to on, you can confirm the camera's working status according to the buzzer sound. There will be a warning sound if a card disorder occurs and a continuous beep when the self-timer is counting.

The Buzzer will sound when any button is pressed.

When a button is pressed for an available mode, a beep will sound to signify that the camera is working.

- ☞ When you press a button, this buzzer will sound once.
- ☞ When you turn the mode dial, the buzzer will sound twice.

SETTING UP SHOOTING FUNCTION

Self-timer Buzzer

After approximately 10 seconds after pressing the shutter button, there will be a long beep which will mean that the Self-timer about to take a picture.

- ☞ For approximately the first 7 seconds the count will be heard at 1 second intervals.

☞ During the remaining approximate 3 seconds the count will be heard at 1/2 second intervals.

Warning sound of a card

There are circumstances when the warning sound will be heard:

- ☞ When you take out a memory card.
- ☞ When there is no available space for images on the memory card.
- ☞ Pushing the shutter button or turning the mode dial when the memory card has not been formatted or when there is no memory left on the memory card.

When you turn on the power

It sounds the POWER button sensor(beep-) regardless of the setup of buzzer operation.

■ PWR OFF (Auto power off)

This function switches the camera off after a set amount of time to prevent unnecessary battery drainage.

- ☞ Automatic power off time can be set at any 1 minute interval, from 0 to 10 minutes.

☞ If automatic power off is set to 0, this function will be work 1 hour after. However, the automatic power off does not work during the slide show and PC mode().

■ LCD BRT (LCD brightness adjustment)

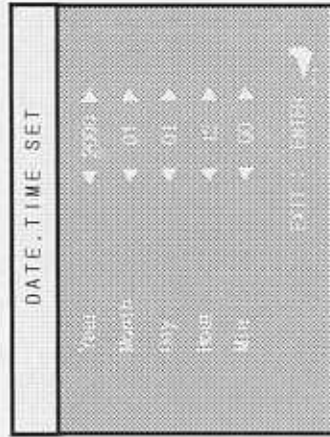
This function allows you to control the brightness of the LCD monitor.

- ☞ You can choose from 7 levels of brightness.

SETTING UP SHOOTING FUNCTION

■ DATE/TIME

The date and time can be selected. This will allow you to put the date and time on your photos.



1. You will then be able to enter the date and time with the 4 direction buttons. Once you have completed this, press ENTER button again and you will return to the [SYSTEM] menu screen. The date and time will now have been updated.
⚠ Once ENTER button has been pressed, the seconds will start counting from 0.
2. This camera will automatically correct the date when a leap year occurs.
⚠ 2000 ~ 2050 year (autocorrection of a leap year and month)

Note

After removing the battery the date and time, function will remain active for about 1 hour.
If the camera is left without a battery inserted for an hour or more, you will need to reset the date and time.

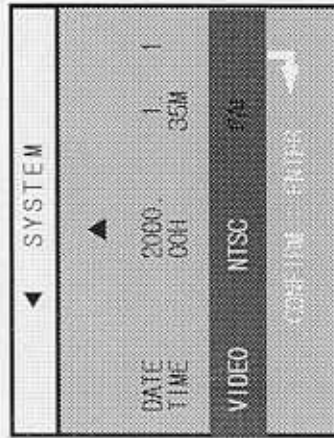
SETTING UP SHOOTING FUNCTION

■ VIDEO (Setting the video output)

You can set up the Video output signal from the camera in NTSC or PAL type depending on the type of the outer machine (monitor or TV, etc.) connected.

Select a type that suits the Video type of the outer monitor. PAL mode can support only BDGHI type.


1. When you press ENTER button after selecting the VIDEO, the following screen is displayed on the LCD monitor.



2. Press the ENTER button after you select the Video output type you want.
3. If you press the MENU button after setup, setup MENU screen is canceled

PLAY MODE

Starting the play mode

Turning the mode dial()to play mode will allow you to play any pictures or moving images stored on the memory card.



■ Play mode()

When play mode is selected, the LCD panel indicator will show() and the battery status. No other icons will appear on the LCD panel indicator.

■ Checking the battery

The standards to decide the condition of the battery is same as the shot mode and please refer to the indicator for 'checking the battery' on page 23.

■ Starting the play mode

1. After switching the camera on, turn the mode dial()to play mode.
2. When play mode is selected, the LCD panel indicator will show () and the battery status. No other icons will appear on the LCD panel indicator.
3. The LCD monitor will switch it on automatically.
 - ☞ The last image stored on the memory card will be displayed on the LCD monitor.
 - * You will not be able to switch the LCD monitor off manually while the camera is in play mode.



Reference

When the camera is reading the data on the memory card, the green LED next to the viewfinder will flash.
Once all the data has been read, the green LED will stop flashing.

PLAY MODE

Setting the play mode

- 1 Press the MENU button
If you press the MENU button with the power on, the setup MENU mode is displayed.
→ You will now see the menu screen appeared on the LCD monitor.



Reference

- ▶ The following conditions will not allow you to enter the menu screen.
 - When you are pressing any other button
 - During processing time (e.g. image saving/deleting)
 - When the battery is exhausted

PLAY MODE

2 Indicating way of a setup MENU mode of the LCD monitor on play mode.

(1) By pressing the MENU button, the setup MENU screen will appear as below.

[Display of the beginning frame]



(2) When pressing the up/down directional button, the chosen function will be highlighted on the menu screen.

(3) If you press the ENTER button after highlighting the function item, the chosen function is selected.

(4) If you press the MENU button on the menu starting screen, the setup MENU mode will be canceled.

PLAY MODE

Play function list

■ The LCD monitor is as follows

Function items	THUMBNAIL
SLIDE SHOW	◀ 03 ▶ sec
PROTECT	◀ UNLOCK ▶
ERASE ALL	
FORMAT	

1. THUMBNAIL

· The thumbnail view allows you to view up to 9 images at a time.

2. SLIDE SHOW

· Images can be displayed at pre-set intervals.

3. PROTECT

· This function prevents existing images being lost accidentally.
· You should set important images lock

PLAY MODE

Play function list

4. ERASE ALL
 - This will erase all images stored on the compact flash memory card.
5. FORMAT
 - This function initializes the compact flash memory card by formatting the data. Initializing prepares the CF CARD for recording data.



Reference

- ▶ A buzzer sound
 - If beep is set on in a setup MENU mode of a shot mode and the available button is entered in play mode according to the working state of a camera, button perceiving buzzer sounds.
 - * Button entering perceiving sound is out one time after entering a button.
 - * The Buttons that button entering perceiving buzzer sounds.
 - When you push POWER, MENU, ENTER, STATUS / (ERASE) buttons
 - When you push the 4 direction buttons (UP/DOWN/LEFT/RIGHT)
- ▶ DATE/TIME
 - When the STAMP is on in RECORD mode, DATE/TIME will be displayed on the below right side of the still image.

PLAY MODE

THUMBNAIL

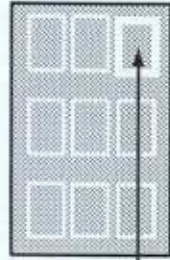
- This function allows you to view 9 images at the same time.
1. Press the ENTER button after selecting the THUMBNAIL option.
 - 9 thumbnail screens will be marked out on the LCD monitor.
 - * The image displayed on 1 frame is displayed as highlight.



[1 image screen play mode]

Press the
ENTER
button

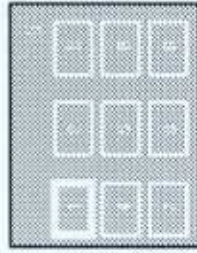
Highlight
(a chosen image)



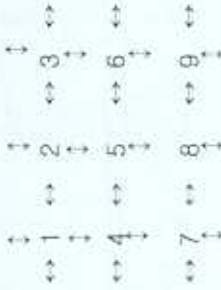
[Thumbnail play mode]

PLAY MODE

- When you press the UP or DOWN button, the highlight sign moves up or down by one space and when you press the LEFT or RIGHT button, the highlight sign moves left or right by one space, and the image selected is displayed.



◇ The moving order of highlight



- Once you have highlighted an image in the thumbnail screen, pressing ENTER button will show you that shot in full size.



Reference

- When the moving images is played on 1 frame, it operates as follows by pressing the (>/||) button.
 - When it is stopped : it begins to display the moving image.
 - When it is displaying the image: it pauses to display the moving image.
 - When it pauses to display the image : it continues to display the moving image.

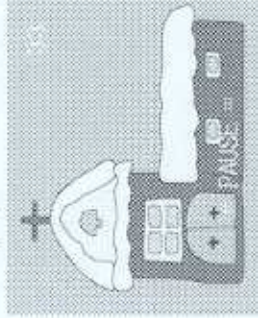
PLAY MODE

SLIDE SHOW

- You can view each image at a set interval using the slide show function.
- If you push ENTER button after selecting a bar cursor into [SLIDE SHOW] in a menu starting screen, SLIDE SHOW is executed.

* SLIDE SHOW

- Highlight slide show and press ENTER. The LCD monitor will give a time interval option between 1-10 seconds.
 - Use the left/right directional buttons to select the required interval (pre-set at 3 seconds).
- Pressing (>/||) button during the slide show will cause the show to pause. And =PAUSE= mark will be displayed on the below center of the still image.



- When you press the (>/||) button again, the 'slide show' continues to be displayed.
- To stop the slide show, press the MENU button twice.
 - Press MENU button 1time and the MENU screen will be displayed.
 - Press MENU button again to make the MENU screen disappear.



Reference

It does not support the *.tif file form in slide show.

PLAY MODE

PROTECT(LOCK/UNLOCK)

You can lock the important images, which are already taken or cancel the locked images.

1. Move the cursor on [PROTECT] position on the beginning frame and select [LOCK or UNLOCK] with the LEFT (←) / RIGHT (→) button, and the image is locked or unlocked.

※ If you select [PROTECT] → [LOCK] with the LEFT/RIGHT button

: the unlocked image is locked

※ If you select [PROTECT] → [UNLOCK] with the LEFT/RIGHT button

: the locked image is canceled.

2. Cancel the setup MENU mode by pressing the MENU button.

■ LCD monitor indication system



Lock mark

※ It is not indicated when the image is unlocked.



Reference

The locked image is protected on [ERASE (image 1 erased)] or [ERASE ALL(all images deleted)], but deleted on [FORMAT].

PLAY MODE

ERASE ALL

All image data which is saved in compact flash memory card is to be erased.

1. If you push ENTER button after moving a bar cursor into ERASE ALL in the menu screen, the message like below appears on the LCD monitor.



2. Select YES or NO by pressing up/down button, and press ENTER button.

When you select YES.

☞ All the images on the card will then be erased.

The image counter will register no images

Locked images will not be deleted.



★ Lamp status when ERASE ALL function :

While images are being erased, the red LED will remain illuminated.

The green viewfinder LED will flash to

indicate that all images have been erased.

When you select NO

☞ The menu screen is back and ERASE ALL of the screen is highlighted.

The setup MENU mode is canceled if you press the MENU button.

Note

Erasing images will clear all information of memory card(except locked images). You must transfer any image files that you want to save to another media before erasing takes place.

Reference

▶ Erasing one cut image

Only one cut image is deleted out of images stored in a compact flash memory card.

1. Select the image that you want to erase.
2. If you push STATUS / (ERASE) button, the message like below appears on the LCD monitor



3. After moving a bar cursor into YES or NO with UP and DOWN button, push ENTER button. Then the action like below is executed.

- After selecting YES, when you push ENTER button
- After erasing image stored in a memory card, the next stored image is displayed on the LCD monitor.
- After selecting NO, when you push ENTER button
- The screen comes back to the chosen image screen.

FORMAT

This function is for formatting a compact flash memory card. Formatting the card allows data to be stored on it.

1. After moving the bar cursor to FORMAT, press ENTER button. Then the following message will appear on the LCD monitor



2. Move the bar cursor into YES or NO with the UP or DOWN directional button. Then press the ENTER button for the action to be executed.

- After selecting YES, when you push ENTER button
- After formatting the memory card, NO IMAGE message will appear on the LCD monitor



* The LED symbol during formatting

The green LED on the top right of the viewfinder will flash until formatting is finished.

- After selecting NO, when you push the ENTER button
- A screen is back to the menu screen and FORMAT of the screen is highlighted.
- The setup MENU mode is canceled if you press the MENU button.

PLAY MODE



Note

[ERASE ALL] function is for erasing only unlocked image files of a memory card. But [FORMAT] function is for deleting all data of a memory card.



Reference

Compact flash memory card as follows should be in the beginning stage of memory card:

- the compact flash memory card that is not initialized.
- the compact flash memory card that a camera can't perceive.

Enlarging image

When viewing a single image on the LCD monitor, you can zoom in to enlarge a portion of the image. Simply press the zoom T(tele) button to enlarge the image.

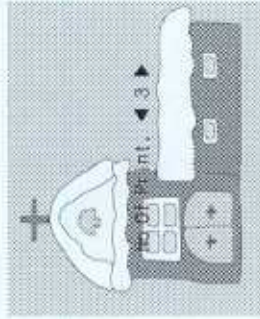
- ※ The scale of enlargement of the shooting image is as follows.
 - In case recording size is large: 1.5/2.0/3.0/4.0/5.0 times.
 - In case recording size is small: 1.5-2.5 times (0.5times interval).
- ※ When an image is enlarged, you may use the directional control to select a particular part of the enlarged image by 4 direction buttons.
- ※ Pressing the W(wide) button will reduce the level of enlargement.
- ▶ You can distinguish the extended position of the image by the indicator on upper left on the LCD monitor [digital extension magnification/no indication (the original shot image)].

PLAY MODE

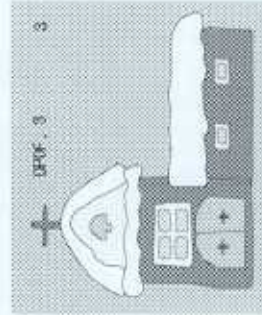
DPOF(Digital Print Order Format)

You can print out the saved images in compact flash memory card as much as you set up with the digital photo printer, which supports DPOF.

- 1 If you put the [LCD / (DPOF)] button under the state of the monitor display in the play mode, the below message appears on the LCD monitor.



- 2 Press the [LCD/(DPOF)] button after selecting the number of print. Use the LEFT or RIGHT directional button to change the print number.
The maximum print number is 9.



- 3 After removing the compact flash memory card and inserting it into a digital photo printer, you will be able to print out the preset images.

CONNECTION TO AN EXTERNAL MONITOR

CONNECTION TO AN EXTERNAL MONITOR

Connect the video connection terminal on the camera to an external monitor with a video cable.

Set the camera to shot mode or play mode in order to view the Moving / Still images on the external monitor.

The LCD monitor of camera will automatically switch off.

The information on the external screen will be exactly the same as on the LCD monitor on the camera

Selecting the Video output type


- You can select an NTSC or PAL video output signal, depending on the external equipment
- Refer to the [VIDEO(Setting the video output)] on page 71 about the selecting the video output from the camera



Reference

- When using a TV as an external monitor, you will need to select the external or AV channel.
- If there is noise (the picture is fuzzy) please refer to your TV manual for more information.
- If the picture is not in the center of the screen, please use the TV controls to center it.

Starting PC mode

If you select mode dial() position with the power on, the camera is transferred to the "PC mode" which can download the shot images saved in memory card.

Batteries will drain at a faster rate when using PC mode. So, we recommended for you to use AC adapter

Indicators for the LCD panel on the PC mode()


The condition of the battery and the letters (**PC**) are displayed on the indicators for the LCD panel on PC mode.
The other indicators are off.

Checking batteries.

The standard to decide the condition of the battery is same as the shot mode.

Please refer to the 'checking the battery' on page 23

Starting PC mode.

- 1 Connect the cable to both the PC and the USB or DIGITAL terminal on the camera. Refer to the page 109 on 'software manual' about the connecting to the PC.
- 2 Turn the power on and turn the mode dial to () .
- 3 The battery conditions and a character (**PC**)marks on the photographing information indicator.

**Note**

Ensure that the Camera Driver has been installed before connecting the camera to the PC via the USB cable.

Refer to page 106 for more information about setting up the camera driver.

If you connect the camera to the computer using the battery in camera, it is easier to use AC adapter because extended use is impossible.



PC MODE

Function of PC mode

1 Downloading your images.

Once you have downloaded the captured images to the hard disk, you can then edit and print them.

(1) Connect your camera to a computer by using the USB cable.

(2) Turn the Mode dial to PC mode and turn off the Power

(3) Select [My computer] and double click [Removable Disk] and there will be images saved.

Copy or move the file to download from camera to PC.

(4) To edit image, run bundle software [Adobe PhotoDeluxe]

※ Refer to software manual for more information about setting up and using software.

NOTE IN USING

Caution!

- ▶ This camera is composed of very sophisticated parts. If exposed to any of the following unsuitable environmental conditions, the camera operations will be impaired. The camera should be kept away from,
 - Severe changes in temperature and humidity.
 - Dust and dirt.
 - Direct sunlight or the inside of a vehicle in hot weather.
 - Do not place the camera in an environment where there is high magnetism or excessive vibration.
 - An area with high explosives or highly flammable materials.
 - Pesticides, etc.
- ▶ Never bring into contact with sand.
 - If sand gets into electronic devices like Digital camera, it can cause severe malfunctions. Please ensure that there is no contact with sand or similar particles.
- ▶ Always be cautions not to expose to extremes in temperature.
 - If the device is transferred from cold place to hot on or vice versa, condensation can be caused inside the device. If moisture gets into the camera, turn off the device and wait about 1 hour until all moisture is dispersed. Similarly, moisture build up can happen in CF Card. If this happens, turn off the device and remove the CF Card, wait until the moisture has dispersed.

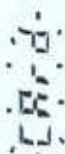
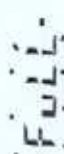
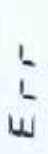





NOTE IN USING

- ▶ Caution with the Lens
 - Avoid direct sunlight to lens. Direct sunlight can affect Complementary CCD (Charge coupled device) by causing overheating and fading.
 - Keep the camera with the lens cap closed.
 - Make the zoom lens free from overweight.
- ▶ If the Digital camera is not used for a long period, electric discharge can occur. Please make sure the device, batteries, and CF Card are stored separately.
- ▶ The power can be turned off with the outer shock, but this is for the protection of the memory card, so please just turn the camera on again and use it.
- ▶ Maintenance
 - To clear the Lens or the camera Status LCD, a soft brush should be used. If this does not work, lens-cleaning paper with lens cleaning fluid can be used.
 - Clean the camera with a soft cloth or a mild detergent. It may cause the deterioration, deformation or falling off the paint.
 - The LCD monitor can be damaged very easily.
 - Please ensure that it does not come into contact with any sharp impact.
- ▶ Do not attempt to disassemble or modify the device by yourself.
- ▶ It may snap the flashlight because of the static electricity, but this does not affect the working of the camera and is not a fault.

NOTE IN USING

Warning indicator

The warning indicator displayed on the LCD panel indicator is as follows.

Warning indicator	Warning contents	Treatment
	<ul style="list-style-type: none"> No memory card. The card cannot be read 	<ul style="list-style-type: none"> Insert the memory card. Insert the memory card again. Turn the power off and turn on again.
	<ul style="list-style-type: none"> The capacity for shot in memory card is lacking. 	<ul style="list-style-type: none"> Replace the card with the new one or use it after you erase the locked image.
	<ul style="list-style-type: none"> The camera indicates abnormal operation. 	<ul style="list-style-type: none"> Please turn the power off and turn it on again.
		<ul style="list-style-type: none"> If it continuously happens again, please ask for the repair service to the near Samsung service center.
		
		
		
		

BEFORE CONTACTING SERVICE CENTER

Before contacting service center (please check the following)

Symptom	Cause	Steps
The power is not turned on.	<ul style="list-style-type: none"> Batteries need replacing. AC Power Adapter is not connected. 	<ul style="list-style-type: none"> Replace batteries with new ones Connect AC Power Adapter.
The power is turned off in use.	<ul style="list-style-type: none"> Batteries need replacing Camera has shut off automatically The card is taken off before the image is saved in the memory card. The adapter jack is off because it loosens. 	<ul style="list-style-type: none"> Replace batteries with new ones Power on Do not remove the memory card while you save the image. Plug in the adapter jack again.
Battery power is drained quickly.	<ul style="list-style-type: none"> External temperature is too cold. The camera has old and new batteries 	<ul style="list-style-type: none"> Keep batteries at the correct temperature Replace all batteries and insert new ones

BEFORE CONTACTING SERVICE CENTER

Before contacting service center (please check the following)

Symptom	Cause	Steps
Camera does not take pictures when pressing the Shutter button	<ul style="list-style-type: none"> CF Card is not inserted The memory card has not been initialized. Memory card is almost drained. The power has not been switched on. The batteries are weak. The camera is not set to shot mode. 	<ul style="list-style-type: none"> After turned off the camera, insert card. Initialize Insert new Card from manufacturer Power on. Replace batteries with new ones Set to shot mode.
The focus cannot be adjusted.	<ul style="list-style-type: none"> You select the wrong shot mode. 	<ul style="list-style-type: none"> Select the macro shot mode in case it is within 0.8m and select the normal shot mode in case it is over 0.8m.
The flash mode does not work.	<ul style="list-style-type: none"> The camera is flash off or macro mode. 	<ul style="list-style-type: none"> Cancel the flash off mode
The wrong date/time is displayed.	<ul style="list-style-type: none"> The wrong date/time is displayed or saved as the basic number. 	<ul style="list-style-type: none"> Select the appropriate date in MENU mode. Refer to the selecting DATE/TIME on the page 31.

BEFORE CONTACTING SERVICE CENTER

Symptom	Cause	Steps
Camera fails to work by any button or switch	<ul style="list-style-type: none"> Camera is not working properly. 	<ul style="list-style-type: none"> Remove the batteries and insert them again.
The card error indicator is on with the memory card inserted.	<ul style="list-style-type: none"> There is a difference of the beginning memory card. 	<ul style="list-style-type: none"> Format the memory card and use it. Refer to the FORMAT on the page 83.
There is something wrong with the color of captured image	<ul style="list-style-type: none"> There is any trouble with the W.B mode 	<ul style="list-style-type: none"> Set up the right one for each light source. Refer to W.B. on the page 86.
The screen is too bright.	<ul style="list-style-type: none"> There is excessive exposure 	<ul style="list-style-type: none"> Reset exposure compensation. Refer to page 67 E.V.
The screen is not very clear.	<ul style="list-style-type: none"> The lens is smudged or dirty. 	<ul style="list-style-type: none"> You should clean the lens
DATE/TIME is not displayed on the image	<ul style="list-style-type: none"> STAMP function is not set 	<ul style="list-style-type: none"> Set STAMP function and take a picture again Refer to page 65.
The play screen is not displayed on the external Monitor.	<ul style="list-style-type: none"> The video cable is not connected to the camera or external monitor The memory card is not recorded properly 	<ul style="list-style-type: none"> connect the cable properly

Symptom	Cause	Steps
PC don't recognize Removable Disk when the camera is connected to PC with USB cable.	<ul style="list-style-type: none"> Cable is not connected properly Camera is off. There is no battery or the adapter is not connected. OS is not Window 98/2000 or PC is not equipped with USB port. The mode dial is not on the PC connection mode. The mode dial is not on the PC connection mode. 	<ul style="list-style-type: none"> Check the connections Turn on the camera Load the new battery or check the adapter. Install Windows 98,98SE, 2000, ME to PC fitting up with USB port. Install bundle USB driver [USB Mass Storage Driver] Use the PC mode.

Type	Compact digital camera
Image Sensor	1/2.7" CCD with 2.1 Mega pixels
Lens	f = 5.8-17.4mm (35mm film equivalent : 38~115mm) F2.8 - F4.9
Viewfinder	Real image optical zoom viewfinder
LCD Monitor	1.8" color TFT LCD
Storage	CompactFlash Card
File Format	DCF, TIFF, AVI, DPOF support
Capture Type	Single / Continuous / Interval / AVI Clip
The number of stored images possible with an 8MB memory card is as follows.	L(1600X1200pixels) : Highest picture quality 6 ± 1, (1 sheet in case of TIF), High picture quality 14 ± 1, Standard picture quality 22 ± 2 S(800 X 600pixels) : Highest picture quality 28 ± 2, (5 sheet in case of TIF), High picture quality 59 ± 3, Standard picture quality 87 ± 6
Focusing Range	Normal : 0.8m - ∞ Macro : 0.2m ~ 0.8m
Flash	Auto / Auto & Red-eye reduction / Fill-in flash / Flash off
Flash Range	WIDE : 0.2m ~ 3.0m, TELE : 0.2m ~ 2.0m

SPECIFICATIONS

Digital Zoom	Capture mode : 2X Play mode : 2.5X, 5X
Shutter Speed	1/2 ~ 1/1,000 sec.
Exposure	Program AE / Exposure compensation ±2EV (0.25EV steps)
Self-timer	10 sec.
Auto Power off	0(1 Hour) / 1 ~ 10 minute (Except PC mode)
Image Play	Single image / Thumbnails / Slide show
Image delete	1 image deletion / all deletion / Format
Date Stamp	Date / Date & Time / Off
Interface	Video output : NTSC / PAL (user selectable) Digital output connector : USB (Mass Storage) DC power input connector : 6.0V
Weight	255g / 8.99oz (without batteries & CF card)
Dimensions: (W x H x D)	114.5 x 70.7 x 43.7 mm / 4.51 x 2.78 x 1.72 inch
Software	Camera driver (Windows 98/98SE/2000/ME, Mac OS 9.x) Adobe PhotoDeluxe Home Edition

Please ensure that you read the instruction manual carefully before using the camera

► Software Notes

- The attached software is a USB Driver and image editing software for Windows.
- This software is copyright and is only licensed for one-time use with the camera. Under no circumstances should you or anyone else reproduce all or part of either the software or the instruction manual.
- In the unlikely event of a manufacturing fault, we will repair or exchange your camera. However, we cannot be held responsible for damage caused by inappropriate usage.
- Before reading this manual, you should have a basic knowledge of computers and O/S(Operating Systems).
- ※ Windows is the registered trademark in Microsoft of USA and other countries.
- ※ Macintosh, Mac OS and Quicktime is the registered trademark of Apple Computer, USA

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Before you set up the software

Introduce the software

- ▶ USB Mass Storage Driver
USB Mass Storage Drivers is only compatible with Windows.
There is no USB Mass Storage Driver for MAC. But USB Mass Storage Driver is available in MAC OS 9.X.
USB Mass Storage Driver makes digital camera as a CF CARD.
If the driver is installed, the images in camera can be copied or viewed directly.
- ▶ Adobe PhotoDeluxe home edition.
This is the program that you can edit and save the still images you download from the camera.
This software is only compatible with Windows.

Before you set up the software

About USB

USB(Universal Serial Bus) is a kind of Serial port arousing people's interest with releasing Windows 98.

It is designed to meet external peripherals Plug and Play (PnP) specification like digital camera, USB PC camera, keyboard, scanner and printer.,

Windows 95 OSR2 had a set of basic USB drivers and Pentium II motherboard support the USB specification..USB gain a tremendous popularity as Windows 98 waw released and recently i Mac have a set of basic USB drivers

USB and Serial port have a same theory, but USB is faster than Serial port and USB have simple way to connect peripherals.

the host allows USB device to communicate and transfer data at 12Mbps; in low speed mode, the host allows USB device to operate at 1.5Mbps. Furthermore, it allows 127 devices to run at the same time on the bus.

And also PC recognize peripherals when it is turned on.

Most computers have two USB ports. If you need to plug in more than two USB devices you do so by using a hub. A hub plugs into your USB port and provides more than one additional plug.

Before you set up the software

System Requirements(2001 July)

► For Windows

Computer : A personal computer with a processor more advanced than MMX Pentium 200MHz.

Operating System : Windows 98/98SE/2000/ME

Memory : Minimum 32MB RAM

Others : USB port

140MB of available hard-disk space

16 bit color display adapter and compatible monitor

a desktop area of 800 by 600 pixels

(24 bit color display adapter, True color display recommended)

► For Macintosh

Computer : PowerMac G3, G4, G4 Cube, iMac, PowerBook

G3, G4, iBook series with USB Port

Operating System : Mac OS 9.X

QuickTime 4.0 or later

Memory : Minimum 64MB RAM

How to set up the software for Windows

How to set up the software

- When you put the Driver CD-ROM provided with this camera into the CD-ROM drive, the following frame is automatically run.



1. Setting up the Camera Driver

Click [Mass Storage Driver] icon in the auto run frame.

Refer to page 00 - 00 for more information about Setting up the Camera Driver

2. User manual

This manual will guide you through using this camera, including taking pictures, downloading images and using image editing software.
Select a language

How to set up the software for Windows

3. Internet link

You can link to the Samsung homepage through the internet.

- <http://www.samsungcamera.com> : English
- <http://www.zoomin.co.kr> : Korean



Note

- Check the system requirements(00 page) before setting up the driver.
- Should the computer not find the Camera Driver after installation, please try one or more of the following measures.
 1. Re-install Camera Driver.



Reference

- You need 5-10 seconds for running the automatic setup program according to the capability of the computer. If the frame is not displayed even after this, run the [Windows Explorer] and select [Samsung.exe] in the CD-ROM Drive root directory.

Setting up USB Driver for Windows

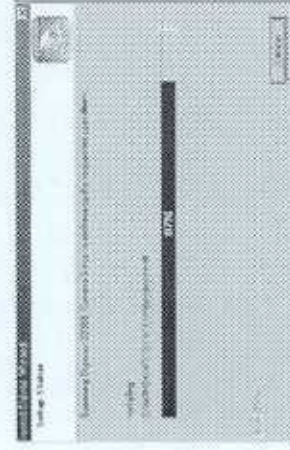
Setting up USB Driver (Win98SE)

To use this camera with a PC, first install the Camera Driver. After this has been done, the captured images in the camera can be moved to the PC and can be edited by a PC Photography program.

- 1 Click [Mass Storage Driver] icon and InstallShield Wizard Window will open. Click [Next >].



- 2 [Mass Storage Driver] installation is started.



- 3 Installation is completed. You have to check [Yes, I want to restart my computer now.] .



Setting up USB Driver for Windows

- 4 After restarting, connect camera to PC with USB cable.
- 5 Turn the camera power on with PC mode, and Found New Hardware Wizard window will open.
Found New Hardware Wizard window will open twice as there are two different USB Driver. Don't close the Window when it is being processed.

- 6 USB Driver installation is completed.
[Removable Disk] will be displayed under [My computer]



SET UP THE EDITING SOFTWARE

Installation of Adobe PhotoDeluxe Home Edition



- ▶ This software is provided only for Windows and guaranteed over Windows 95, 98 and Windows NT 4.0 with service Pack 3. When you put the Driver CD-ROM provided with this camera into the CD-ROM drive, the autorun frame is automatically run. Follow the instructions on screen.



Reference

If Autoplay does not appear automatically, double click on [Autoplay.exe] which is located in the root directory of [Samsung Digimax 220SE Application SW CD-ROM].

- ▶ If installations is finished normally, Autoplay is registered automatically into start menu program like the beside screen

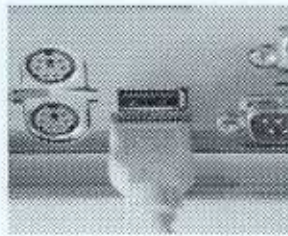


CONNECT THE CAMERA

Joining USB connection terminal for Windows

- To download image, Windows 98 or later and USB port have to be set in your computer.

- 1 Connect the USB cable to the USB port on the computer
- 2 Connect the other end of the USB cable to the USB connection terminal of the camera.
- 3 Set the mode dial to (CAM)
- 4 Switch the camera on.



Removable Disk

- To use this camera as Removable Disk, install USB Driver.
Refer to page 106 - 107 for more information about USB Driver installation.

- 1 Before turning the camera power on, connect camera to PC with USB cable and turn the mode dial to PC mode.
- 2 Click [Removable Disk] under [My computer].
- 3 Move to [100SSCAM] folder and select image file to download.



Note

- ▶ Important information whilst using the Removable Disk
We recommend that you should copy the image saved to PC to view.
If you open the image that is in Removable Disk directly, there may be disconnection.
When you upload a image file to camera, do not use same file name.
Even though the file extension is different, only one of the same file name images are displayed as follow order [JPG AVI TIF].
And if the displayed file is deleted, all the same file name images are deleted.

- ▶ Important information whilst using the Removable Disk

When you upload a file that is not taken by this camera to Removable Disk, ERROR FILE message will be displayed on LCD monitor in PLAY mode, and nothing is displayed in THUMBNAIL mode.

Green lamp next to viewfinder will be blinked, when a file is transferred(copy or deletion) between PC and camera.



Don't do any work like removing USB cable or turning mode dial until the lamp stop blinking.To remove the USB cable, use [Unplug or Eject Hardware] icon on the task bar.

In Windows 2000, please be careful as the following case can be happened.

1. when the image file in Removable Disk is deleted.
green lamp will be blinked after about 15 second from file deletion is completed on the PC
2. transferring image file between PC and Removable Disk.
there is the second green lamp blinking after about 15 - 20 second from the first green lamp blinking.

Before the blinking is finished, the work is not completed.



Reference

When a movie that is downloaded can't play back, do as follows.

[solution 1] Install JPEG_Decoder

1. Insert Driver CD in CD-ROM Drive.
2. Open [Windows Explorer] and double click JPEG_Decoder folder in CD-ROM Drive folder
3. Select [jpegcode.inf] and click right button of mouse. Then, click [Install] and the video compression codec is automatically set up.

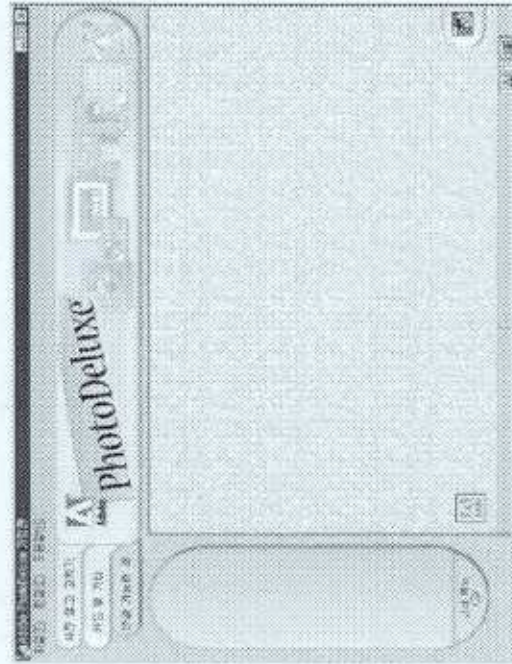
[solution 2] Install QuickTime.

- QuickTime is trademark of Apple Computer, Inc. can be downloaded from <http://www.apple.com/quicktime/download> for free.

How to open Adobe PhotoDeluxe Home Edition

This software is provided only for Windows.

To open Adobe PhotoDeluxe, click the start button at the left bottom of your monitor, then click programs, then Adobe, then PhotoDeluxe Home Edition and then double click on Adobe PhotoDeluxe Home Edition. PhotoDeluxe will now open.



Reference






When the image is dark, adjust the image to be bright at [Adjust quality] -> [Brightness & Contrast] and save it.



How to open Adobe PhotoDeluxe Home Edition

◆ Get & Fix Photo



After downloading pictures from various imaging products to Adobe PhotoDeluxe, this will allow you to edit, store and print your pictures.




	Get Photo Adobe PhotoDeluxe can call the images shot by a camera, pictures stored in a PC, images of a scanner, the pictures downloaded from internet, several images and so on.
	Rotate & Size Adobe PhotoDeluxe allows you to rotate, flip or adjust the size of your images.
	Adjust Quality The color and brightness of your images can be adjusted. You can even change your images into black and white.
	Repair Photo The following imaging corrections are possible using Adobe PhotoDeluxe. Removing red eye, Removal of dust/scratches, Retouch Face
	Special Effects You can use the special effect function to liven up your images. - Special features include; text adding, perspective, negative, neon effect, edge effects, collage etc






	Save & Send You can store or alter the image format in PDF/ GIF/ JPEG. Once you have downloaded your images, you can also save them as a background image for Windows. Or you can send the image to your friends by e-mail or use it in web page.
	Print Various print forms are available such as several prints on one page and t-shirt prints which are reversed and when printed on special t-shirt paper can be ironed onto a t-shirt.

◆ Cards & More



After downloading images, you can make cards, calendars, albums, signs, certificates etc.


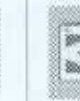

	Cards By using the opened images, you can make hello card, sports card and several kinds of cards.
	Calendars Make your own calendar using your own images.
	Pages & Certificates With Adobe PhotoDeluxe you can make albums, albums covers, certificates and letters with photos

	Labels & Frames Several kinds of labels and gift tags can be made
	Frames & More The photo frames function can be used to frame photos or as a frame in the T-shirt transfer.
	PhotoParade You can make and execute PhotoParade. And you can also obtain a detail information about Photoparade.
	Save & Send This is exactly the same as in the [Save & Send] function in [Get & Fix photo].
	Print This is same with [Print] function of [Get & Fix photo].

◆ Connectables



☞ You can connect into the world of a additional contents by world wide web. Here are images, letter forms, clip art, templet, plug-in for special effects and PhotoDeluxe background design. And you can download service and product by visiting other web site related with PhotoDeluxe 3.0 and can use more links on screen.

	Web Sharing You can obtain several pictures, clip art templet through internet gallery provided in Adobe PhotoDeluxe.
	Adobe Activities The Home Edition CD includes predesigned seasonal activities that can appear automatically throughout the year, if you install them.
	Extensis Activities

◆ Advanced Menu



☞ If you have an experiences to edit pictures or want to do perfectly a creative and personal work, you can finish that work and strengthen the instructed activity by using advanced menus.



☞ If you ever want to edit pictures or personalize the picture, you will now be able to select the advanced menu. Click the [Advanced Menu] button.



Reference

Click [Help → Contents], on the File menu for more details about each function. Help will then be displayed

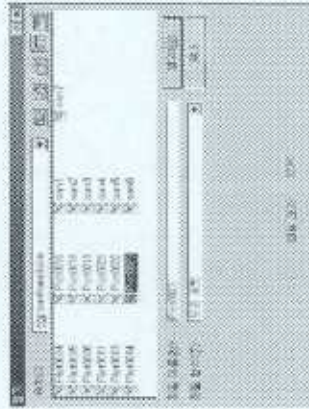
Acquiring Images

- Acquiring images from the computer.

1 Trace [Get & Fix Photo → Get Photo - Open File..], or trace [File → Open File] on menu bar.



2 Select image file on the Open window and click [Open].



3 Selected image will be displayed. You can edit the image

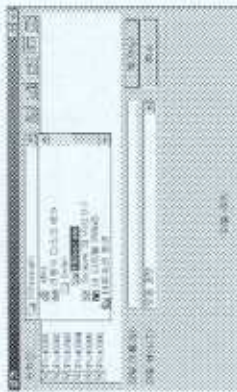


Acquiring Images

- Acquiring Images from the camera
Before acquiring image from the camera, please check camera connection.

1 Trace [Get & Fix Photo → Get Photo → Open File] Or trace [File → Open File] in the menu bar. Refer to page 118, 1

2 Open window will display to select image file.



Click [Look in :] to choose Removable Disk(:).

3 Move to sub directory to select image file and click [Open]



4 The image is displayed. You can edit the image.

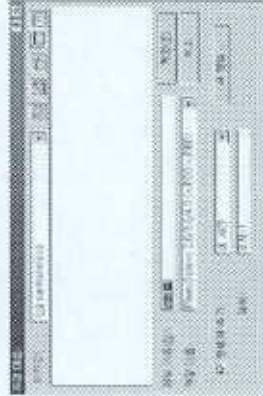


Saving image

1 To save the edited image, trace [File → Save]



2 Type file name and click [Save]. The default file extension name is .PDD or .PBD(PhotoDeluxe file format).



Refer to page 121 to save the image as a different file format.

◆ Alternative saving method?

Trace [Get & Fix Photo → Save & Send → Save]



Note

When editing images, please ensure to save it as a new file under a new name. If this procedure is not followed, you may lose the original images. Otherwise, the original images will be distorted.

Saving image

If you want to save in other format (e.g. JPG), refer below. The default saving file format is PDD.

1 Trace [Get & Fix Photo → Export → File Format]



2 Click [1.Save & Send] and the 3rd screen will be displayed

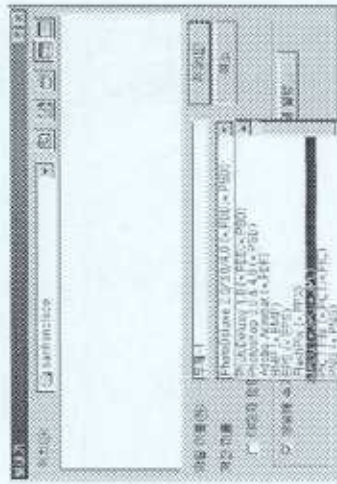


3 Click [save] and the 4th Saving dialog box will be displayed.



EDITING SOFTWARE

- 4 Click [Save as] and a lot of image file format list will be displayed.
Select file format you want.
The illustration is shown JPG file format.



- 5 Click [Save] and the image save as selected file format.



◆ Alternative saving method?

Trace [File → Export → File Format]
and save the image as different file
format.

REMOVING USB DRIVER FOR WINDOWS

Removing USB Driver (Win 98)

- 1 Click [Add/Remove programs] in Controller.



- 2 After selecting [Samsung Digimax 220SE Camera], click [Add/Remove] and the following window will display.
Click [YES] and USB Driver will be removed automatically.



Reference

If you are Windows 2000/ME user, please keep following order to remove USB Driver.

1. Connect PC to camera(PC mode, power on)
2. As mentioned above, remove [Samsung Digimax 220SE Camera] in [Add/Remove programs]

REMOVING USB DRIVER FOR WINDOWS

3. Click  [Unplug or Eject Hardware] icon on the task bar.



Click [Stop] on the [Unplug or Eject Hardware] window and click [Ok] on the next window.

4. Click [System] on Control Panel


Trace [Device Manager] → Universal serial bus controller → Samsung USB Mass Storage Device) and click right mouse button. Then the following window will display

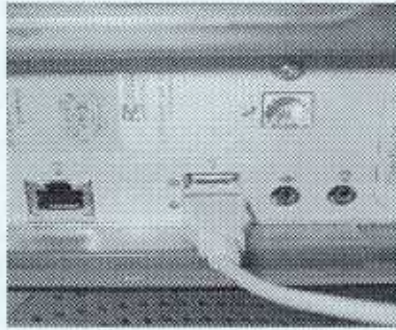


Click [Remove] to remove USB Driver
Restart computer

CONNECT THE CAMERA

Connecting Macintosh USB port

- USB port have to be in Macintosh or keyboard.
- 1 Connect the USB cable to the USB port on the macintosh.
 - 2 Connect the other end of the USB cable to the USB port of the camera.
 - 3 Set the mode dial().
 - 4 Switch the camera on.



HOW TO INSTALL & USE USB DRIVER FOR MAC

Setting up USB Driver for MAC

- There is no USB Driver for MAC. But the Driver for MAC is automatically installed.
- 1 Check MAC OS.
This camera is available in MAC OS 9.X
 - 2 Connect camera to PC(refer to page 126) and turn the camera power on.
 - 3 A new icon will be displayed on the desktop after USB Driver installation.

Using USB Driver for MAC

- 1 Double click a new icon on the desktop and the folder in the memory card will be displayed.
- 2 Select image file and copy or move it to MAC.

About USB

■ Please check the below when the USB malfunction.

[case 1] The camera power is off.

→ Turn the camera power on.

We recommend using AC power adapter in PC connection mode.

And if you use batteries, check the battery status indicator.

[case 2] The mode dial is not set to PC mode.

→ Set the mode dial to PC mode.

PC interfacing is only available in PC mode.

[case 3] USB Driver is not set correctly.

→ Set USB Driver correctly. Refer to page 106 ~ 107.

[case 4] The computer can't support USB interface.

→ Use computer that supports USB interface.

About USB

[case 5] USB cable is not connected or using incorrect specification cable.

→ Connect USB cable with correct specification.

[case 6] CF CARD is not inserted or the camera can't recognize CF CARD.

→ Turning the camera power off, insert CF CARD again.

[case 7] Occasionally the computer recognize USB as the other device.

→ Turn the camera power off and remove USB cable.

Connect USB cable again and turn the camera power of.

Then the computer can recognize the camera correctly.

[case 8] There is unexpected error during file transfer.

→ Turn the camera power off and transfer the file again.

[case 9] How do I know my computer supports USB Interface

→ Check the USB port in your computer or keyboard.

→ Check [Universal serial bus controller] in Device Manager. Do as follow for checking [Universal serial bus controller].

→ Trace [start → setting → controller → system → Device Manager →

Universal serial bus controller]. In addition, there must be USB Host

Controller and USB root hub under [Universal serial bus controller].

→ Check OS version. USB interface is available in Windows 98, 98SE, 2000, ME or later.

→ In case that all the conditions that mentioned above are set, the computer can support USB interface.

About hardware

- Booting is impossible when a new CF CARD is inserted.
The camera power is turned off continuously with BOOT message and E05 error message on the LCD panel when an unspecified memory card is inserted.
- Some manufacturer's memory card is not recognized in this camera.
We recommend SanDisk memory card, if possible.
You should change the memory card with SanDisk memory card.

Error messages

- When the error message display
 - If the error message display in the middle of camera operation, turn the camera power off and turn the camera power on again.
(if the error message display, the camera power is turned off automatically.)
 - if the error message display continuously, format the memory card in PLAY mode and insert again.