PocketCam 4000

User's Manual



WELCOME

Dear user, thanks for purchasing this product. Much investment in time and effort has gone into its development, and it is our hope that it will give you many years of trouble-free service.

CAUTION

- Do not drop, puncture or disassemble the camera; otherwise the warranty will be voided.
- Avoid all contact with water and dry hands before using.
- Do not expose the camera to high temperature or leave it in direct sunlight. Doing so may damage the camera.
- Use the camera with care. Avoid pressing hard on the camera body.
- 5. For your own safety, avoid using the camera when there is a storm or lightning.
- Avoid using batteries of different brands or types at the same time. There is potential of explosion from using incorrect batteries.
- Remove batteries during long periods between usage, as deteriorated batteries may affect the functionality of the camera.
- Remove batteries if they show signs of leaking or distortion.
- We suggest using only the accessories supplied by the manufacturer.



















Contents

WELCOME

	Getting Started	4
	1. Your camera parts	4
	2. Loading the battery	5
	3. Inserting and removing the CF card	6
	Inserting the card	6
	Removing the card	6
	4. Attaching the strap	7
	5. Using the tripod	7
Ŷ	Basic Operation	8
	1. Switching on and off	8
	2. Setting the Mode dial	8
	3. Taking still pictures	9
	The LCD display information under D mode	9
	Snapshot	10
	4. Recording movies	12
	The LCD display information under 💼 mode	12
	Making a movie	13
	5. Playing your pictures and movies	14
	The LCD display information under 🗈 mode	14
	Viewing pictures	15
	Viewing movies	16
	Deleting pictures and movies	17



	1. Setting th	e language	18
	2. 🕒 Se	tting the date and time	19
	3. 🖸 Us	ing the flash strobe	20
	4. 🕚 Us	ing the self-timer	21
	5. 🛄 Se	tting the resolution	22
	6. Using the	QUICK EFFECT button	23
	7. Using the	MENU/OK button	24
	O _	Adjusting the white balance (WB)	25
	1	Applying the effects	26
	⊕	Adjusting the exposure	27
		Adjusting the exposure value (EV) compensation	28
	&	Setting the date stamp	29
	×	Configuring other user settings	30
	8. Real-time	display on TV	32
ф е	Enjoying yo	ur Images on the computer	33

1. Installing the AF Cam driver	33
2. Connecting your camera to your computer	36
3. Copying pictures and movies to your computer	37
4. Viewing on your computer	39

W Using the PC Camera Function for Fun 40

1. Installing the AF Cam driver	40
2. Connecting your camera to your computer	40
3. Capturing immediate images to your computer	42

	4. Advanced	d settings	44
		Format settings	44
		Properties settings	45
Ŷ	Troublesho	oting	46
Ŷ	Other Inform	nation	48
	1. Battery li	fe	48
	2. LED indic	cator events	48
	3. Storage o	apacity	49
	4. More on f	flicker	49
	5. Specifica	tions	50





1. Your camera parts

Knowing your camera parts well before using it will help you operate it more easily.



Getting Started

2. Loading the battery

Please use two AA batteries.

Slide the **battery cover** in the direction of the indication to open it.

Follow the indication to load batteries into the **battery cover** with the correct + and - ends.

Close inward and slide upward the **battery cover** to lock it.

1. We recommend you to use rechargeable 1.2 V Ni-MH batteries as this will increase time of usage.

2. You can also use 1.5 V alkaline batteries.

For details of the battery life, please see the "Battery life" section on page 48.







3. Inserting and removing the CF card

Inserting the card



Open the Card cover.



Insert the card in the direction of L the indication and push it in till the end of the card plot.





Close the Card cover.

2 Removing the card

Press the Eject button to remove the card





The camera comes with 16MB flash memory built inside for storage. If you do not insert a CF card, the data will be saved in the built-in flash memory automatically.

The LED indicator lights red while the camera is processing data. Never eject the CF card while the camera is processing data.

Getting Started

4. Attaching the strap

For convenience and safety, you may wish to attach the carrying strap.

Thread the strap loop through the hook in the direction indicated.

Fasten the strap as indicated.





5. Using the tripod

Use the tripod to minimize camera movement and ensure optimal image quality, particularly while taking self-portraits, longer movies, video conferencing or in the macro mode.

Attach the tripod to the port on the bottom of the camera and rotate the serrated wheel to lock it.



Unfold the legs to set up. Then Z adjust the alignment to the desired position.







1. Switching on and off

Rotate the **Mode dial** to **D** to switch on or to **OFF** to switch off.



Switch on

Switch off

If the camera is idle for over 60 seconds, the LCD display will be turned off to conserve battery power; press any key to wake up the camera. If you do not operate this camera for over 3 minutes, the camera will shut down automatically.

2. Setting the Mode dial

This camera provides five modes of use. Rotate the **Mode dial** to select the mode that you wish to use.



- OFF Power-off mode
- Still picture mode
- Playback mode
- Movie mode

3. Taking still pictures





- 1 Number of pictures and movies taken
- 2 Zoom frame
- 3 Zoom
- 4 Still picture mode
 - Still: 🕥
 - = Self-timer: 🖏
- 5 Flash status
- 6 Resolution
- 7 White balance (four modes)/Back light/B & W

☆谷┈☆ 端 □

- 8 Storage mode
 - CF card: 🗒
 - Flash memory: non-icon

9 Battery life

2 Snapshot

This camera provides auto focus (AF) function. Please follow these steps to snap stills.



2 Zoom in and zoom out Press the Control △ button ([4]) to zoom in or the Control ☑ button ([44]) to zoom out. The zoom of the Still picture mode is up to 4.0X.

Center the target subject in the LCD display or viewfinder, then

press the **Shutter button** halfway down to start the auto focus

Press the Shutter button all the

way down to take a shot.

Auto Focus

Taking a still









The camera provides a macro close-up shooting distance of 8" (20 cm).

If your target subject is not in the center of the image (AF lock)

If your target subject is not in the AF frame, the camera will focus on the background instead of the subject when pressing the **Shutter button** halfway down. The following steps will teach you how to lock the AF on the original subject and get the best result.



Compose the view that you wish to take.



Focus

Center the target subject in the AF frame, then press the **Shutter button** halfway down.



AF lock

Keep pressing the **Shutter button** halfway down and re-compose the view that you originally wanted.



Snap

Press the **Shutter button** all the way down to take the picture.

4. Recording movies

1 The LCD display information under 🖻 mode



- 1 Number of pictures and movies taken
- 2 Zoom
- 3 Movie mode
- 4 Storage mode
 - CF card: 🕮
 - Flash memory: non-icon
- 5 Battery life

2 Making a movie

Movie mode

Rotate the Mode dial to 🗐.

Start recording

Press the **Shutter button** all the way down to start recording. (The **Shutter button** can be released.)

Press the Shutter button again to





The count indicator starts and the incon flashes while recording is in progress.



mode is up to 1.7X.

Stop recording

stop recording.



Basic Operation

5. Playing your pictures and movies

■ The LCD display information under ▶ mode



14

2 Viewing pictures

Playback mode

Rotate the **Mode dial** to **I**. The last picture or movie will be displayed first on the LCD display.





Select images

Press the Control D button to select the next image or the Control D button to select the previous one.







Basic Operation

Viewing movies

Playback mode

Rotate the **Mode dial** to **I**. The last picture or movie will be displayed first on the LCD display.





Select images

Press the Control D button to select the next image or the Control d button to select the previous one.





Pause the movie

While playing a recording, press any button to pause the movie.



While playing a movie on the camera, sound playback is not available. Please copy the movie to your computer (for details, see page 33) to view it with sound playback.

Deleting pictures and movies

<u>ן</u>

Playback mode

Select the image

delete

Rotate the Mode dial to **•**.

Press the Control < > button

to pick the image you wish to







Delete the image

Press the MENU/OK button to enter the Delete mode.

Press the **Control** \triangleleft **button** to highlight the **button** to highlight the **button** to press the **MENU/OK button** to bring up a confirmation screen.

Press the Control I button to select the icon. Then press the MENU/OK button to complete the action of deletion.





Select the X icon to exit if you do not wish to delete the image.

All images and other files will not be recovered if you select the Format (1) item.



1. Setting the language

Still picture mode

Rotate the Mode dial to 🖸 .



Set language

- Press the MENU/OK button to enter the MENU.
- Press the Control ⇒ button to select the Select the button.
- Press the Control Press the Control Press the Control Press the Local control press the MENU/OK button.

The camera provides five languages - English, German, French, Spanish and Italian. Press the Control ■ ▶ button to select the language that you wish to use. Then press the MENU/OK button to confirm.



1 MENU



2 User Setting selected



User Setting menu

2. Getting the date and time

Still picture mode

Rotate the Mode dial to



Set date and time



Press the MENU/OK button to enter the MENU.

- **2** Press the **Control** $\triangleleft_{\Box}^{\underline{A}} \vdash$ **button** to select the (B) icon, then press the MENU/OK button to bring up the setting screen as <a>[3].
- Press the Control to change the year. Then press the MENU/OK button to confirm.

Use the same method described above to set the day and time. Then press the MENU/OK button to confirm



MENU



2 Date Setting selected



Advanced Settings

3. **#** Using the flash strobe

When the lighting is not sufficient for your shooting environment, the flash can provide the extra light you need.





Press the Control 🔎 button (🗲)

Press the **Control button** (*‡*) to switch the flash mode to cycle through four modes - **Flash off**, **Auto**, **Red-eye reduction**, and **Flash on** on the LCD display.



While the flash is being recharged, the icon on the LCD display flashes red and the **LED indicator** beside the **Viewfinder** flashes.



Flash off	8	The strobe does not fire.
Auto	€_	The strobe will automatically fire as more light is needed.
Red-eye reduction	0	The strobe and the red-eye reduction flash always fire.
Flash on	\$	The strobe always fires.

Charging the flash strobe requires more battery power. When the battery power is low, the flash strobe On cannot be set. Please change the batteries.

4. ⁽¹⁾ Using the self-timer

The self-timer allows a delay of ten seconds before the shutter fires when taking a self-portrait picture.





Press the Control < button (🕐)

Press the **Control** \blacksquare **button** (\bigcirc) to set the self-timer to On. Then you will see a $\bigotimes_{i=1}^{\infty}$ icon on the LCD display.

When the **Shutter button** is pressed, the camera will have ten seconds delay with the **Self-timer lamp** flashing and ten beeps emitting before taking a picture. After the shutter fires, the selftimer will be automatically disabled.





5. E Setting the resolution

Changing the resolution affects the number of pictures that can be taken. The higher the resolution is, the more memorydemanding the images will be.





Press the RESOLUTION button

Press the BRESOLUTION button to switch the resolution mode to cycle through four choices - 2272x1704, 2048x1536, 1600x1200 and 1024x768 on the LCD display.



2272X1704	<u>会会</u> 会会	The most memory-demanding option. Select the 2272x1704 type when you want to develop 6*8 photos or smaller.
2048X1536	â	The default setting. Select the 2048x1536 type when you want to develop 5°7 photos or smaller.
1600X1200	\$ ¢	Select the 1600x1200 type when you want to develop 3*5 photos or smaller.
1024X768	숣	The most memory-saving option. This selection is suitable for computer screen displays and email.



We recommend you to use 2048X1536 to optimize image quality and memory use.



6. Using the QUICK EFFECT button

The QUICK EFFECT button allows you to immediately apply the frequent photo effects - Auto, Sunny, Cloudy, Fluorescent, Tungsten, Back light and B & W - of this camera, as well as view the real-time change of effects on the LCD display.

Still picture mode

Rotate the Mode dial to 🖸 .

2

Press the QUICK EFFECT button

Press the QUICK EFFECT button to switch the mode to cycle through seven choices - Auto, Sunny, Cloudy, Fluorescent, Tungsten, Back light and B & W on the LCD display.



Auto	None	This item determines the best white balance setting automatically for your shooting environment.
Sunny	☆	Suitable for normal outdoor shooting under sunny (bright) weather.
Cloudy	3	Suitable for cloudy weather or shady (dim) environments.
Fluorescent	澌	Suitable for indoor shooting with fluorescent lamp lighting (high color condition).
Tungsten	- Ģ -	Suitable for indoor shooting with incandescent lamp lighting (low color condition).
Back light	**	Select this item when the subject is lit from behind light.
B & W		Changes the shot to black and white.

7. Using the MENU/OK button

Press the **MENU/OK button** to enter the **MENU**. The **MENU** provides more advanced features for you to fine-tune the camera.





Press the MENU/OK button

Press the **MENU/OK button** to enter the **MENU** as illustrated. For specific details on setting of each function, please see the corresponding page noted below.

- White balance [WB] (p.25)
- 2 Effect (p.26)
- 3 Exposure (p.27)
- EV compensation (p.28)
- 5 Date stamp (p.29)
- 6 User setting (p.30)
- 7 Date setting (p.19)





MENU

- The MENU/OK button is for either entering the MENU or executing an action.
 - Select the bicon to exit; or press the Shutter/Quick Exit button, QUICK EFFECT button or RESOLUTION button to exit immediately.

1 Adjusting the white balance (WB)

- Still picture mode Rotate the Mode dial to
- 2

Set the white balance



Press the MENU/OK button to enter the MENU.

Press the **Control** $\overset{@}{=} \mathbb{P}$ **button** to select the $(\begin{subarray}{c} icon, then press the$ **MENU/OK button**to bring up the sub-menu as**E**.

Press the Control Debutton to select a mode that you consider the most appropriate to the color conditions of your shooting environment. Then press the MENU/OK button to confirm.



WB selected



2 WB sub-menu

Auto	0	This item determines the best white balance setting automatically for your shooting environment.
Sunny	₩	Suitable for normal outdoor shooting under sunny (bright) weather.
Cloudy	-	Suitable for cloudy weather or shady (dim) environments.
Fluorescent		Suitable for indoor shooting with fluorescent lamp lighting (high color condition).
Tungsten	-	Suitable for indoor shooting with incandescent lamp lighting (low color condition).

2 Market Applying the effects

Still picture mode Rotate the Mode dial to



Set the effects



Press the MENU/OK button to enter the MENU.





Effect selected



2 Effect sub-menu

Normal	1	No effect.
B & W	()	Black and white.
Classic	0	Sepia-toned like old photos.
Solarize	-	Over-exposed.

💵 🚱 Adjusting the exposure

Still picture mode Rotate the Mode dial to



Set the exposure



Press the MENU/OK button to enter the MENU.

Press the **Control** $\triangleleft_{\overline{a}}^{\square} \Vdash$ **button** to select the b icon, then press the **MENU/OK button** to bring up the setting screen as \blacksquare .

Press the Control abutton to select a mode that you consider it most appropriate to the source of light in your shooting environment. Then press the MENU/OK button to confirm.



Exposure selected



2 Setting screen

Auto	£	Based on the frame to automatically determine the best brightness value for your shooting environment.	
Back light	\$ <u>6</u>	Select this item when the subject is lit from behind light.	
Average		Based on current conditions to determine the brightness value for your shooting environment.	

Adjusting the exposure value (EV) compensation

- Still picture mode Rotate the Mode dial to

Set the EV compensation



Press the MENU/OK button to enter the **MENU**

> Press the **Control** $\triangleleft_{\Box}^{\triangle}$ **button** to select the 🔀 icon, then press the MENU/OK button to bring up the setting screen as 2.

Press the **Control** A **button** to increase the value of the exposure compensation or press the Control v button to reduce the value. Then press the MENU/OK button to confirm



EV Comp. selected



2 Setting screen



The applicable value ranges from -1.5 to +1.5. A positive value indicates the display will be brighter than usual; while a negative value makes the result dimmer.

5 🕹 Setting the date stamp

- Still picture mode Rotate the Mode dial to
- 2

Set the date stamp



Press the MENU/OK button to enter the MENU.

Press the **Control** $\triangleleft_{\Box}^{\square} \Vdash$ **button** to select the $\stackrel{\square}{\Longrightarrow}$ icon, then press the **MENU/OK button** to bring up the sub-menu as \blacksquare .

Particle Control ■ The camera allows you to determine whether a date stamp appears on the pictures taken. Press the Control ■ button to select the date stamp On (2020) or Off (2020). Then press the MENU/OK button to confirm.



Date Stamp On

2 Date Stamp sub-menu

Configuring other user settings

- Still picture mode Rotate the **Mode dial** to **D**.

Set the user setting



Press the MENU/OK button to enter the MENU.

> Press the **Control** $\triangleleft_{\Box}^{\triangle}$ **button** to select the 💥 icon, then press the MENU/OK button to bring up the sub-menu as 2.



Press the Control S button to highlight a setting mode that you wish to configure. Then press the MENU/OK button to confirm



1 User Setting Selected



2 User Setting menu



User Setting menu

User Setting allows you to set some elemental functions of the camera. The following table is the description of all user setting items.

Language	La	En De Fr Sp It	This item allows you to set the usage of language on the LCD display. For details on setting, see page 18.
Buzzer	∢ ŵN		This item determines whether the beep sounds when operating the camera.
Flicker	50	50 60	This item allows you to set the flicker to prevent nosie and get the best image. The default flicker value depends on your country. For details, see the "More on flicker" section on page 49.
TV type	PAL	high the second	This item is related to viewing images by connecting your camera to the television. Set the TV type to prevent television display problems. The default TV type depends on your country. NTSC is for America. Japan, Taiwan, Korea, etc.; PAL is for European countries, China, Hong Kong, etc.

8. Real-time display on TV

Connect your camera and TV via an AV cable for real-time display.

Set the TV type

Rotate the **Mode dial** to **O** to set the TV type. (Please see the method described on page 30-31 to set the PAL or NTSC type.)



Connect your camera to TV

Turn on your TV and switch to AV mode.

- Insert the video and audio ends of the AV cable to the AV-in port on your TV.
- Insert the other end of the AV cable to the TV-out port on your camera.





You can rotate the Mode dial to **>**, **(**) and **(**) for real-time display on your TV.

Enjoying your Images on the computer

1. Installing the AF Cam driver

Install the **AF Cam** driver before connecting your camera to your computer for the first time. Please follow the steps to complete the installation.

Turn on your computer.
Do not connect the USB cable to your computer at this stage.
Turn off other applications running on your computer.
Place the supplied CD into the CD-ROM drive.
Move the mouse to the content of the content of

follow the steps.

- 1. Double click the "My computer" icon.
- 2. Double-click the CD-ROM drive icon (AF Cam (E:)*). The name of CD-ROM drive changes depending on how your computer is set up.

For Windows XP users: Skip step 1. "Installing the AF Cam driver" and go to step 2. "Connecting your camera to your computer" if you do not use the PC Camera function. The "Install Shield Wizard" dialogue box is occurring and the automatic installation begins. When a window as Fig 1 appears, click "Next". Then follow the on-screen instructions to continue.



1 Notice for Windows 2000 users

 The "Digital Signature Not Found" dialogue box might show twice. Please simply click "Yes". The camera works well for Windows 2000.

Fig 1



2. Follow the on-screen instructions and click "Finish".



Do not restart your computer at this step.

5 When a window as Fig 2 appears, please click "**Yes**" or "**No**" according to your circumstance.

- If you are not a Windows XP user, or never install DirectX 8.0 or above, click "Yes".
- If you are a Windows XP user, or you have already installed DirectX 8.0 or above, click "No".

	Microsoft I	DirectX 8 1 Setup
	?	This will install Microsoft DirectX 8.1. Do you wish to continue?
Fig 2		No (10)

When a window as Fig 3 or Fig 4 appears, please click "OK" or "Finish" to complete the installation.



The driver will be available after restarting your computer.

2. Connecting your camera to your computer



Turn on your computer.



 $\mathbf{2}$ Set the Mode dial on your camera to OFF , \mathbf{D} , \mathbf{E} or \mathbf{e} .

Q Insert the USB cable to the USB port on your computer.



Insert the other end of the USB cable to the USB port on your camera.





3. Copying pictures and movies to your computer

For Windows XP users

After connecting your camera with the computer, a window will automatically appear (as Fig 5). Select the **"Open folder to view files using Windows Explorer"** item and then click **"OK"**.





Double-click "My computer", then double-click the new "Removable Disk" icon.



2 Double-click the "**DCIM**" file folder.

Double-click the "100MEDIA" file folder.



Drag the picture to the "**My Documents**" file folder to copy your picture or movie to the computer.

For Windows XP users
 For Windows 2000/ME/98SE users
 Image: A state of the state of

The storage positions of the pictures and movies

Fig 6

You can find the files of your pictures and movies as Fig 6.



4. Viewing on your computer



Select the desired file and double-click it to view.

Notice on disconnecting the camera from the computer for Windows 2000/ME users

To disconnect your camera from the computer, please follow these steps.

- 1. Double-click 🏷 on the task bar.
- 2. Click 🚔 (USB Disk), then click "Stop".
- Select the camera (AF Cam) on the confirmation screen and click "OK".
- Follow the on-screen instruction to disconnect your camera from your computer correctly and safely.

Using the PC Camera Function for Fun

1. Installing the AF Cam driver

You need to install the **AF Cam** driver before using PC Camera or video conferencing function.



If you never install the AF Cam driver, please finish the installation first. For details, please see step 1 in the "Enjoying your Images on the computer" chapter on page 33.

2. Connecting your camera to your computer



Turn on your computer.

) Set the **Mode dial** on your camera to $\, {}^{igstyle n}$.



Insert the USB cable to the USB port on your computer.



Insert the other end of the USB cable to the USB port on your camera.

Notice for Windows 2000/ME/98SE users when using PC Camera function for the first time

When using PC Camera function (or video conferencing) for the first time, please follow the steps below.

For Windows 2000 users

The "Digital Signature Not Found" dialogue box might appear twice, please simply click "Yes". This camera works well for Windows 2000.



For Windows ME users

Please select "Automatic search for a better driver" when a window as Fig 7 appears.

For Windows 98SE users

Click "Next" when a window as Fig 8 appears.

- → Select "Search for a best driver for your device" and click "Next" when a window as Fig 9 appears.
- → Select the position where your Windows 98SE CD-ROM in your CD-ROM drive. Then follow the on-screen instructions to complete the installation.

Add New Hardware Wood	Add New Hardware Without	A STR	ew Hardware Wicard	
A characteristic set of the	Reservations	for mer dama har dense popular frant maker a second	Vite de par war in Particular de la constitución Particular de la constitución Constitución de la constitución Const	Index is call if date to your device. Index in a good C an older the diver pre-ware.
Fig 7	Fig 8	Fi	g 9	

3. Capturing immediate images to your computer

After the installation of driver and hardware, you can start to use the PC Camera function or run other video conferencing applications. (This manual provides information related to PC Camera function only.)

> Double-click the <a>icon on the desktop to execute the program, then you can begin to capture immediate images on your computer.



Click the "Start" menu and go up to "Programs", then Or go to the folder named "AF Cam" and click it.





Open the NetMeeting interface or other video conferencing application and then start to use it.





Viewing your pictures and movies with PC Camera interface

Click the (Open Album) icon at the bottom on the PC Camera panel, or go to the follow path to find the files.

C:\Program Files\AF Cam\Work Temp

4. Advanced settings

Click the (Format) and (Setting) icons on the PC Camera panel to bring up advanced settings.

1 E Format settings



Color Space/Compression

Set one of the following functions according to your needs.

RGB 24: Better image quality.

I420: The file will be compressed to add advantage for faster-speed transformation.

Video Format		×
Video Stream Setting		
Color Space / Compression: RGB 24	1	
Output Size: 320 x 240	•	
	OK Cance	



Output Size

Set output size to change the size of the preview window. The default size is 320x240. Select larger pixels when you need a larger preview window.

Video Forr	nat		×
Video Str	sam Setting		
Color Sp	ace / Compression:		
	RGB 24	•	
Output	Size:		
	320 x 240	· 2	
	160 x 120 176 x 144		
	320 x 240		
	352 x 288 640 x 480		ancel

44

Properties settings



Banding Filter

If the screen of your computer flickers when using PC Camera function, change the "Banding Filter" item on the "Video Setting" tab to avoid noise. Select "50Hz" or "60Hz" until the screen stops flickering. If you want to restore the default setting, select "Normal AE".



2 Bandwidth

If the controller has no enough bandwidth available for the camera, set the "Bandwidth" item on the "Video Setting" tab. The smaller the bandwidth value is, the less the bandwidth is occupied. Then it will take more time to transmit images.

Custom Setting

You can use the default settings or change the settings of brightness, contrast, saturation, sharpness, and hue on your own.

Properties	tom Setting	×
Brightness Contrast Saturation Sharpness Hue	J 128 1 1 0 0	
	Default	
	OK Cancel Apply	

Troubleshooting

Question	Answer 🛉
When using the camera	a
The camera has no power.	The batteries may be out of power, please change the batteries.
Cannot power on my camera even though batteries are installed.	 Make sure that the batteries are installed correctly. If it is idle over 3 minutes, the camera will shut down automatically, please rotate the Mode dial to OFF, then rotate it to 1 to switch on.
Cannot take pictures and movies when pressing the Shutter button .	 The storage is full. Please free some space of the CF card or flash memory. Check if the camera is under the status of charging batteries. Check if the CF card is set to "protected". If the "MEMORY ERROR" message shows on the LCD display, please set the Mode dial to mode format the card.
I did not delete the picture and movie, but cannot find the data in the CF card.	Check if your files are stored in the camera's built-in memory. If there is a icon at the right bottom section on the LCD display, it means you are using the camera with a CF card. Please remove the card to find the data in the flash memory. (For details, see the "Removing the card" section on page 6)
Cannot set the strobe to the "On" mode.	Charging the flash strobe requires more power of batteries. When the battery is under the status of low power, the strobe On cannot be set. Please change the batteries.

The image is too blurred.	Keep the camera steady with pressing the Shutter button while taking pictures.			
The image is too dark.	You may need to take pictures or movies in the place with adequate light or use the flash strobe.			
Sound playback is not available when viewing the movie on the LCD display.	This situation is normal. If you want the movie with sound playback, please copy the movie to your computer and view it on the computer.			
Noise occurs on my camera when viewing the image on the LCD display or on the computer.	Set the filter matching the place you are staying. Please refer to the "More on flicker" section on page 49.			
I When connecting the c	amera to your computer			
The driver installation failed.	 Please remove the driver and other related programs. Follow the installation steps in this manual to reinstall. Install the driver before inserting the USB cable. 			
A conflict with other installed camera or capture device.	If you have any other camera or capture device, completely remove the camera and its driver from the computer to avoid a driver conflict.			
The movie cannot be played on my computer.	Please install DirectX 8.0 or above. (See the "Installing the AF Cam driver" section on page 33 or download DirectX 8.0 and get more information on Microsoft website.)			
Noise occurs on my computer when using video conferencing.	Set the filter matching the place you are staying. Please refer to the "Banding Filter" section on page 45.			



1. Battery life

Number	Number	Battery life
Condition	of images	(minutes)
Taking Still Pictures 2048x1536 (without flash strobe)	360	30

*Data above is for using rechargeable 1800 mAH batteries and in 25°C, with pictures taken every five seconds.

Notes: 1. Life of battery will be shorten in the following conditions.

- (1) Taking snapshot at low temperature.
- (2) Switching on/off power repeatedly.
- (3) Focusing subject frequently before taking a picture.
- 2. The table above is for reference only.
- 3. Using the flash light will decrease the number of pictures to be taken.

2. LED indicator events

Condition	LED color	Meanings
Status	Red	Busy (mode change, storage, or capture)
(LED indicator)	Green	Ready (waiting for command)
Flash strobe	Red	Charging flash
(LED indicator)	Green	Ready (waiting for command)
Data	Red	Data transformation
transformation (LED indicator)	Green	Ready (waiting for command)
Self-Timer	Red (regularly)	Counting
(Self-Timer lamp)	Red (rapidly)	Capturing the picture

Never eject the card or remove the batteries while the LED indicator is lit up red.

3. Storage capacity

	Still pictu	Still picture			
Memory	2272x1704	2048x1536	1600x1200	1024x768	Maximum recording time
Flash memory (16MB)	15	20	30	75	2
CF card (32MB)	30	40	60	150	4
CF card (64MB)	60	80	120	300	8
CF card (128MB)	120	160	240	600	16
CF card (256MB)	240	320	480	1200	32
CF card (512MB)	480	640	960	2400	64

Notes: 1. Actual number of pictures stored may vary (up to ± 30%) depending on the resolution and color saturation.

2. The table above is for reference only.

4. More on flicker

The default flicker setting of your camera depends on your country. When using the camera abroad, please refer to the table below to match the flicker setting with the place you go.

Country	England	Germany	France	Italy	Spain	Netherlands
Setting	50Hz	50Hz	60Hz	50Hz	50Hz	50Hz
Country	Portugal	America	Taiwan	China	Japan	Korea
Setting	50Hz	60Hz	60Hz	50Hz	50/60Hz	60Hz

5. Specifications

Hardware resolution	2272x1704 (4 Mega pixels)
Sensor effective resolution	2048x1536 (3.1 Mega pixels)
Internal memory	Built-in 32MB SDRAM (buffer)
	16 MB flash memory (storage)
External memory	Built-in CF slot (maximum: 512 MB)
Digital still camera	JPEG Format. 2272x1704 (4 Mega pixels); 2048x1536 (3.1 Mega pixels);1600x1200 (2 Mega pixels); 1024x768 (0.8 Mega pixels)
Digital video camcorder	Motion JPEG (AVI) Format QVGA (320x240 pixels) / up to 20 fps
Video conferencing	VGA (640x480 pixels) / up to 10 fps QVGA (320x240 pixels) / up to 20 fps
LCD display	1.5" Color TFT LCD
Digital zoom	4x (for still pictures only)
Exposure	Auto/Back light/Average
White balance	Auto/Sunny/Cloudy/Fluorescent/Tungsten
Image effect	Normal/B & W/Classic/Solarize
Lens	F=2.8-8.0
Self Timer	10 seconds
Interface	USB 1.1 (USB 2.0 compatible)
Power saving	Auto power-off if idle for over 3 minutes Auto suspense if idle for over 1 minute
Built-in microphone	Yes
Built-in speakers	No
Built-in flash strobe	Yes
Battery	AAx2 (Rechargeable Ni-MH batteries recommended)
Dimension	102x35x56 mm