

Copyright© 2001 Keter Corporation. All rights reserved.

Keter Corporation assumes no responsibility for errors or omissions in this manual and information in the manual is subject to change without notice.

No part of this manual can be reproduced or transmitted in any form or by any means without pre-permission of Keter Corporation.

Photo Impression TM 3.0 is provided by ArcSoft, Inc. All rights reserved.

First edition

Date : August 2, 2001

FCC STATEMENT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measure:

- Reorient or relocated the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
- Shielded cables must be used to comply with FCC regulations.

WARNING (PART 15, SECTION 15.21)

Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

CONTENTS

Introducing "Eye-on" Digital camera	06
Top and Front	07
LCD Display ; camera Display Panel	08
How to use ; Preparing Still Camera	09
Attacing the necklace strap	10
Turning the camera on and off	11
Focusing Eye-on	12
Camera modes	13
Taking snapshot	15
Using the timer	16
Using multi-snap Mode	17
Capturing video clips (Live video and audio)	18
Audio (Voice) recording	19
Audio playback	20
How much memory is left	21
File deleting	22
format	23
Sign for warning	23
How to us ; Preparing PC Camera	25
Trouble Shooting Guide	

INTRODUCING "EYE-ON" DIGITAL CAMERA

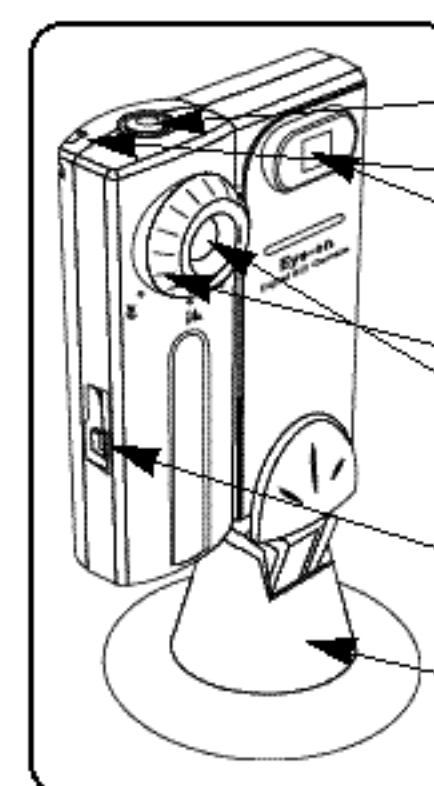
Firstly we, thank you for your purchasing our product and also congratulate you on entering multimedia world with our high-tech dual mode digital camera, EYE-ON. Unlike other camera, you can take not only snapshot but also live video including live voice all together ,with you PC or without your PC.

► THE MAIN FEATURES OF EYE-ON ARE AS FOLLOWS.

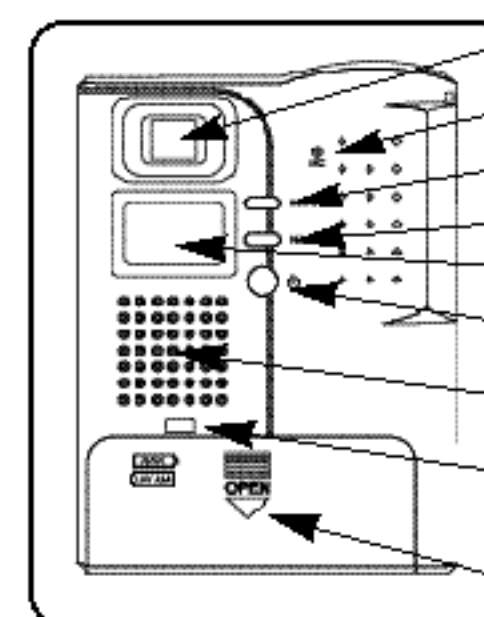
- High quality and clear picture (640 X480 pixels)
- Multi-functions
 1. Still Camera
 - 1) Still image (Max 218cuts)
 - Multi snap shot (3 cuts per one shot)
 - Self timer (10 sec)
 - 2) Video clip (Max 108secs)
 - Live video and audio just like video camera
 2. PC (Web) Camera (USB connection with PC)
 - Video conferencing / Video e-mail
 3. Voice recording (30 minutes)
 4. Powerful S/Ws
 - 1) ArcSoft Photo impression 3.0
 - 2) ArcSoft Photo Base 2.1

Please review this manual carefully to enjoy all powerful functions of Eye-on before you run the product ,and keep this manual besides you for any possible troubles you may experiences.

TOP AND FRONT

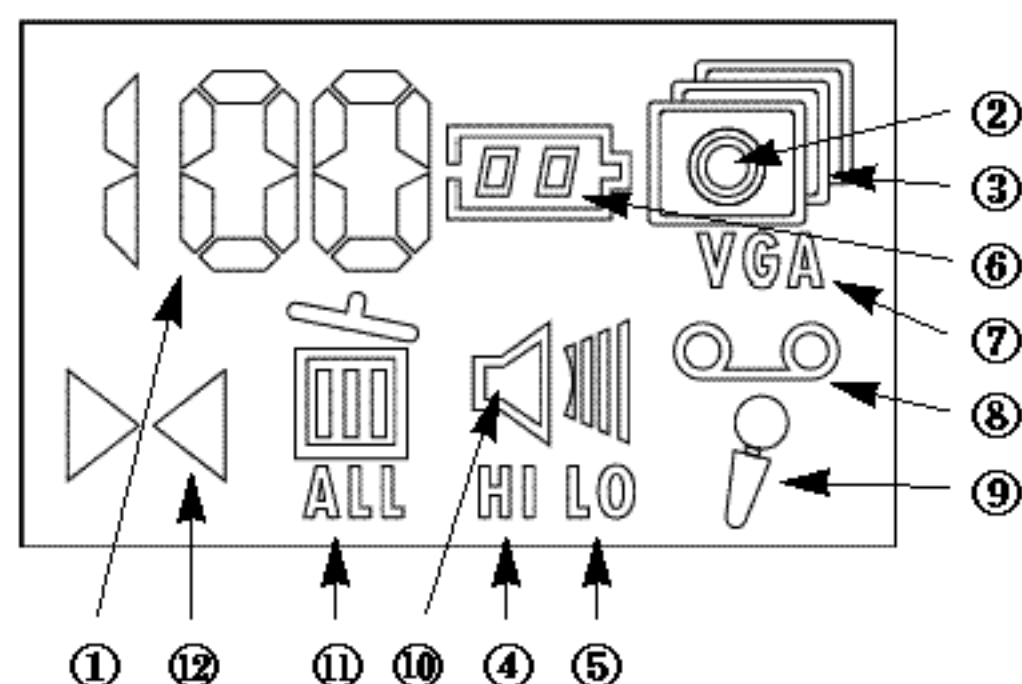


- Snapshot button
- Strap hole
- View finder
- Focus ring
- Lens
- USB connector
- Camera stand



- View finder
- Microphone
- Mode button
- Delete button
- LCD Panel
- Power button
- Speaker
- Fixation groove for camera stand
- Battery cover

LCD DISPLAY ; CAMERA DISPLAY PANEL

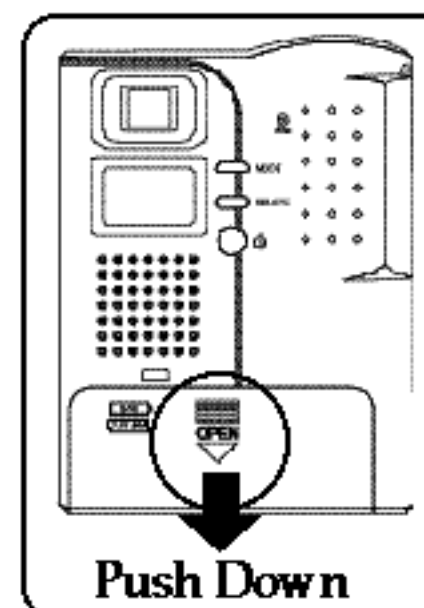


- ① Number or time for files
- ② Icon for snapshot mode
- ③ Icon for video clip (motion picture, live video) mode
- ④ Icon for VGA high (high quality image), non-compression mode
- ⑤ Icon for VGA low (normal quality image), JPEG like compression mode
- ⑥ Icon for battery
- ⑦ Icon for VGA
- ⑧ Recording
- ⑨ Icon for microphone
- ⑩ Icon for speaker
- ⑪ Icon for format mode
- ⑫ Icon for timer mode

HOW TO USE ; PREPARING STILL CAMERA

Your Eye-on can be used in two different ways, one is for still camera and the other is for PC (Web) camera. Followings are for still camera operation and please refer to separated manual for PC camera operation.

► STILL CAMEAR ; INSTALLING THE BATTERIES



1. Open the battery compartment by pushing and sliding down the cover as shown.
2. Insert the 2 pcs of "AAA" batteries as the direction shown in the battery compartment and close the cover.

Once the battery is used up, replace it in the same way. If your Eye-on is flash memory version (KT1000F) then the images in the camera are kept safe even though the battery is used up. If your Eye-on is SDRAM version (KT1000S), you need to replace battery within one minutes after you have warning sign from Eye on. ("Full" is displayed and blinking in the LCD. Please refer to "sign for warning" in the later part of this manual for more details)

※ REMARK

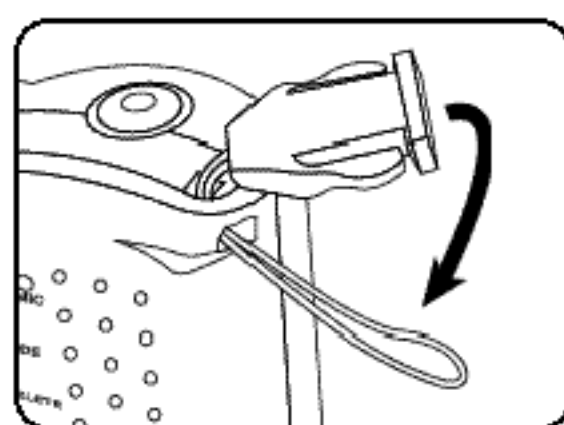
1. Make sure that batteries are inserted in the right direction. Otherwise the camera will not work.
2. Batteries are needed only when Eye-on is used as Still camera. So you would better remove the batteries from the Eye-on when you use it as a PC camera for a long time.

ATTACHING THE NECKLACE STRAP

For your convenience, a necklace strap is supplied with your Eye-on.

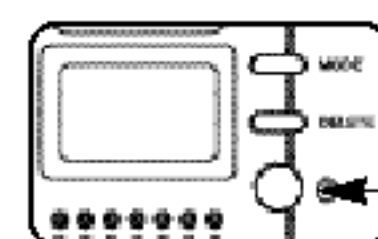
It consists of two pieces, a short strap to the camera hole and a long one for necklace.

1. Slip the one end of the short strap through the camera's strap hole as shown.
2. Slide the rest of the strap through the small loop as shown and pull it all the way through to tighten.
3. Connect the short strap and long one using the connector as shown.



TURNING THE CAMERA ON AND OFF

Press the power button for a second and wait 1 or 2 seconds more for powering on. And then you can see the Initial mode screen in the LCD.



Power button

For powering off, press power button again for a second. And then "OFF" is shown on the LCD for a second and it will be off.

OFF..

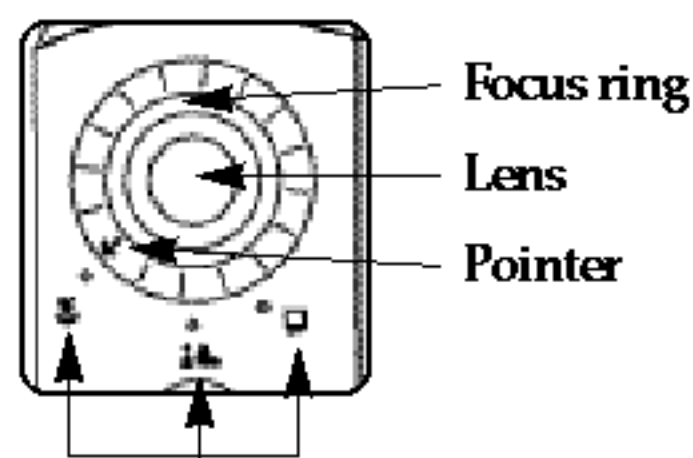
※ REMARK

Eye-on is offering you automatic power-off function to save battery, that is to power off automatically if there is no button input more than 5 minutes.

In the still camera mode, your Eye-on is powered only from battery so you would better to power it off when you do not use it for a long time.

FOCUSING EYE-ON

Unlikely in the PC camera mode, you can not know the status of the focus by your eye.
So in the still camera mode, you need to adjust the focus approximately according to the distance to the object you want to take. Adjust the focus ring according to the following instruction.



Icon for distance

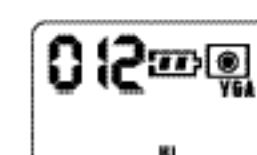
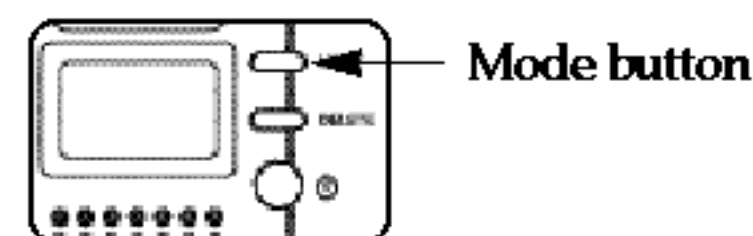
-  The distance to the object is more than 2 meters.
-  The distance to the object is around 1 meter.
-  The distance to the object is less than 20 centimeters.

※ REMARK

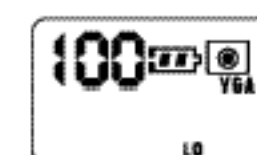
In the PC camera mode, you can see the status of focus by image shown through SKYGARDEN and you can fix the focus accordingly.

CAMERA MODES

As you press the mode button, Eye-on circles through several different modes like High quality snapshot (VGA high), Normal quality snapshot (VGA low), Timer, Multi-snap, Audio recording, Audio playback, Format. Details are as follows.



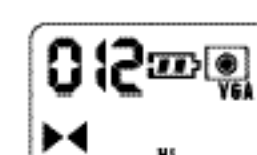
With the VGA high mode, you can take uncompressed and 640×480 pixel images (High quality image) upto 26 cuts.



With the VGA low mode, you can take 640×480 pixel images upto 218 cuts with JPEG like compression. (Normal quality image)



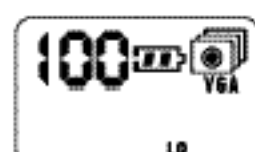
With video clip mode, you can take 320 X 240 pixel motion pictures together with the voice upto 108 seconds.



With the timer mode, your Eye-on waits for 10 seconds after you press the snapshot button before taking a VGA high image.

※ REMARK

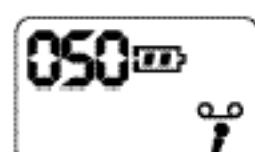
This is only available with VGA high mode.



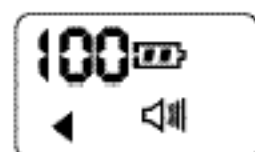
With the multi-snap mode, you can take three VGA low image consecutively (with 0.3 sec interval) whenever you press snapshot button.

※ **REMARK**

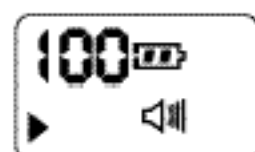
This is only available with VGA low mode.



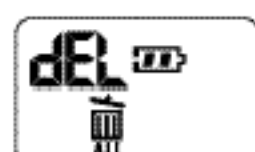
With audio recording mode, you can record your voice or any other audio through built-in mike upto 34 minutes.



With audio playback (backward) mode, you can playback the audio which is recorded in the Eye on. The order of playback is from the lastly recorded audio data.



With audio playback (forward) mode, you can playback the audio which is recorded in the Eye on. The order of playback is from the firstly recorded audio data.



With format mode, you can delete all the image and audio data in the camera or initialize wrong file system.

TAKING SNAPSHOT

As described before, your Eye-on offer two different snapshot mode, VGA high and VGA low. In these modes, you can take snapshots using snapshot button and view finder just as a normal camera.

1. Fix the snapshot mode, VGA high or VGA low.
2. Make sure that focus ring is set as the instruction. (Refer to "Focusing Eye-on")
Otherwise, the picture quality may be very poor unlikely your expectation.
3. Make sure that the object is located within the view finder range.
4. Press the snapshot button when you ready then the image will be taken with a click. Make sure that you need to hold the camera still for a one or two seconds for the best result.
5. Whenever the image is taken, the number shown in the LCD will be added by one, and the number shows the total number of snapshots taken by that time.

USING THE TIMER

In the timer mode, you can take a picture 10 seconds after you press the snapshot button before taking a VGA high image.

1. Set the mode to timer.
(This is only available with VGA high mode)
2. Make sure that focus ring is set as the instruction.
(Refer to "Focusing Eye-on") Otherwise, the picture quality may be very poor unlikely your expectation.
3. Make sure that the object is located within the view finder range and hold the camera with the stand.
4. Once you press the snapshot button, the countdown will be shown on the LCD from 9 and it take the picture with the click after 10 seconds.
5. When the image is taken, the number shown in the LCD will be added by one, and the number shows the total number of snapshots with the VGA high mode by that time.

USING MULTI-SNAP MODE

In this mode, you can take three VGA low image consecutively (with 0.3 sec interval) whenever you press snapshot button.

1. Set the mode to timer.
(This is only available with VGA low mode)
And make sure that focus ring is set as the instruction.
(Refer to "Focusing Eye-on").
Otherwise, the picture quality may be very poor unlikely your expectation.
2. Make sure that the object is located within the viewfinder range and hold the camera still for one or two seconds for the best result.
3. Once the snapshot button is pressed, it will take three pictures consecutively with a click.
4. When the pictures are taken, the number shown in the LCD will be added by three and the number shows the total number of snapshots with VGA low mode by that time.

※ REMARK

Any button pressed when multi-snap is being taken is not effective.

CAPTURING VIDEO CLIPS (LIVE VIDEO AND AUDIO)

In video clip mode, you can take 320 X 240 pixel motion pictures (live video) together with the audio during you press the snapshot button and it is available upto 108 seconds.

The time elapsed for recoding is shown in the LCD.

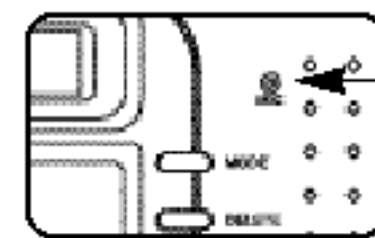
1. Set the mode to video clip.
2. Make sure that focus ring is set as the instruction.
(Refer to "Focusing Eye-on")
Otherwise, the picture quality may be very poor unlikely your expectation.
3. Make sure that the object is located within the view finder range.
Press and hold the snapshot button until the recording is finished.
4. When the recording is finished, let the snapshot button go.
5. Whenever the video clip is recorded, the number shown in the LCD will be added by one and the number shows the total number of video clip by that time.

AUDIO (VOICE) RECORDING

In the audio recording mode, you can record your voice or any other audio through built-in mike upto 34 minutes.

Once you press the snapshot button, the record start and you can stop it with another pressing the snapshot button.

The time elapsed for recoding is shown in the LCD.



Microphone

1. Set the mode to audio recording.
2. Press snapshot button for recording start, and the time elapsed for recoding is shown in the LCD.
3. Press snapshot button again for stop recording.
4. Whenever the audio file is recorded, the number shown in the LCD will be added by one and the number shows the total number of audio files by that time.

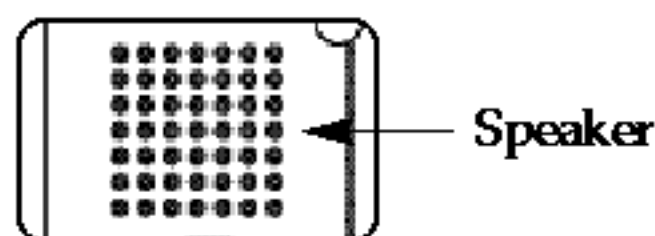
※ REMARK

The time elapsed for recoding is displayed with second until 999 seconds, and after that It is displayed with minutes.

AUDIO PLAYBACK

As described before, your Eye-on offers two different audio playback modes, audio playback (backward) mode, and audio playback (forward) mode.

The only difference is the order of data playback, from the lastly recorded audio data or from the firstly recorded data.



1. Set the mode to audio playback (backward) or audio playback (forward).
2. Select the file number which you want to playback and then press snapshot button.
And press mode button to stop playback. If you press the snapshot button during playback, the next audio file starts to playback automatically.
3. Once the paly back is finished for a audio file, the number of the next audio file is displayed in the LCD.
You can playback other audio file in the same manner.

※ REMARK

If the Eye on is too close to the audio source during the record, the audio quality in the playback may be poor.

HOW MUCH MEMORY IS LEFT

In the all modes of Eye -on except format mode, you can check how much memory is left in each mode.

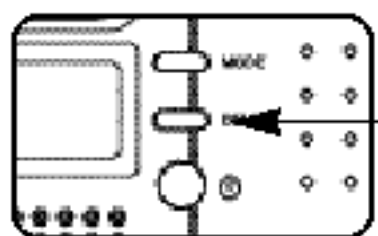
The numbers displayed in snapshot and multi snap modes mean the number of cuts which can be taken more. And in the audio recording and video clip and audio playback modes, the number means the time left.

1. Press the mode button in each mode for about a second, it display the number for cuts or time left in that mode.
2. Let the mode button go after you check the memory left.

※ REMARK

1. In the video clip mode, the time left is displayed with second.
2. In the audio recoding mode, the time left is displayed with second if it is less than 999 seconds, and if it is more than 999 seconds, it is displayed with minutes.
3. The number displayed in the LCD as a memory left can be different from the actual according to the conditions of the picture taking or video, audio recoding later.

FILE DELETING



Delete button

In the all modes of Eye-on except format and playback mode, you can erase files in each mode using delete button in two ways "one by one" or "all".

► DELETING "ONE BY ONE" IS TO DELETE FROM THE LASTLY RECORDED FILE IN EACH MODE.

1. Press delete button in each mode then the lastly recorded data will be deleted.
2. Whenever the file is deleted, the number shown in the LCD will be decreased by one.

► DELETING 'ALL' IS TO DELETE ALL FILES IN EACH MODE.

1. Press the delete button in each mode for more than 3 seconds, the number in the LCD is blinking and all files in that mode will be deleted.
2. When the all files in that mode are deleted, the number shown in the LCD will be zero.

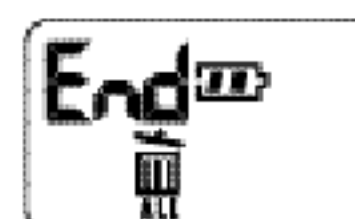
※ REMARK

1. If you press delete button in the format mode, all the files in the Eye-on will be deleted.
2. You can delete audio file in both mode of audio recording and audio playback. In case of audio file deletion in audio recording mode, just follow above procedures. In case of audio file deletion in audio playback(forward or reward) mode, make sure that file can be deleted only after it is played back, and all file deletion is not available.

FORMAT

With format mode, you can delete all the image and audio files in the camera or initialize wrong file system.

1. Set the mode to format.
2. Press delete button until the letter of "DEL" is disappeared from the LCD.
3. Once the format is finished, the letter of "End" will be shown in the LCD.



SIGN FOR WARNING

When the memory is getting full and the memory left is not enough, the number in the LCD starts blinking. However it does not mean that memory is completely full so you can take some more images or audio.



When the memory is completely full, your Eye-on stops working and the letter of "full" will be displayed and blinking in the LCD.

However if you delete some or all files then the LCD will be restored and the camera will work again. Make sure to download any file which you want to keep to your PC before deletion.



When the battery is running out, the icon for battery is varying. When the battery is completely used up, the battery icon will start to blink and then after a few seconds, the Power will be automatically off. Once you replace with new battery, the battery icon will be restored as full condition.

※ **REMARK**

If your Eye-on is flash memory version (KT1000F) then the images in the camera are kept safe even though the battery is used up.

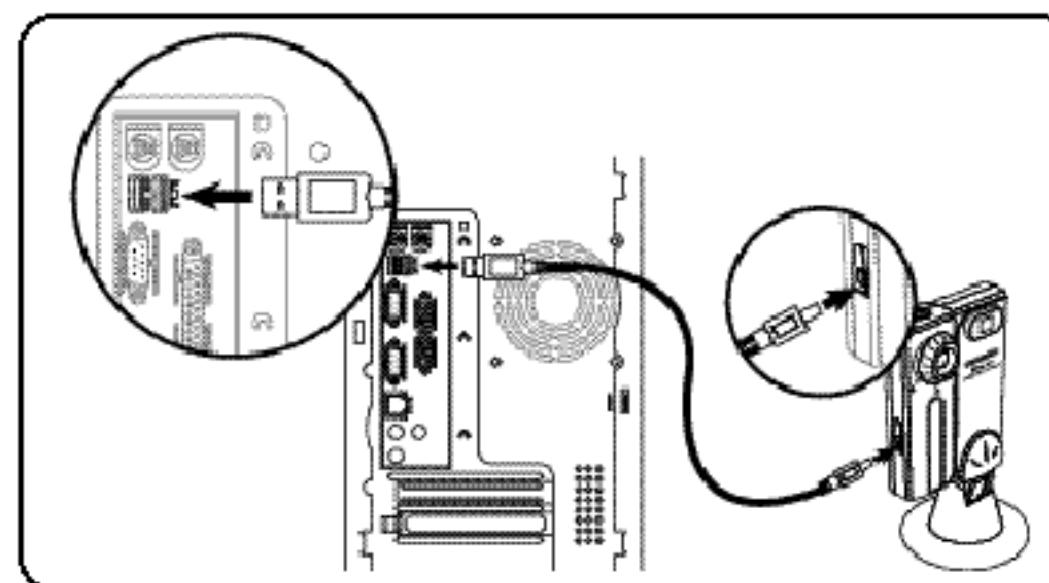
If your Eye-on is SDRAM version (KT1000S), you need to replace battery within one minutes after you have warning sign from Eye on.

HOW TO USE ; PREPARING PC CAMERA

Once you connect the Eye-on to your PC using USB cable, it becomes a video camera that enables you capture video and images directly to your PC.

And now it is operated by the application S/W named "SKYGARDEN" and the batteries are not needed anymore because it is powered from USB cable.

One more thing is, you can edit the images using the S/W of "ARCSOFT" which is supplied with camera as free.



내용삽입