DIGITAL STILL CAMERA

USER`S MANUAL

ENGLISH
Basic Reference

Congratulations on your selection of this camera!
This basic reference provides you with the general information you need to start using it.

CONTENTS

Basic Reference

Safety Precautions

◉ Should you ever notice smoke or a strange odor coming out of the camera, immediately turn it off. Next, taking care you do not burn your fingers remove the camera's battery and/or unplug the AC adaptor from the power outlet.

◉ You should be responsible for the damage to the camera or materials caused by your improper operation to the digital camera!

◉ Do not expose the digital camera to moisture and make sure no water get into the camera.

◉ Do not touch the power plug during a thunderstorm if you are using the AC adaptor. This may cause an electrical shock.

◉ Do not place the digital camera in an unstable location on a wobbly table or sloping surface.

◉ Do not attempt to modify this digital camera!

◉ Do not operate the digital camera when you are driving.

◉ Do not cover or wrap the digital camera or the AC adaptor with a cloth. It should be placed in well-ventilated locations.

◉ Handle the digital camera carefully and do not bump it into any hard object.

◉ Do not move the digital camera while it is switched on. (If you are using the AC adaptor, unplug the adaptor from the AC power outlet after you have switched off the camera.) Ensure that any connector cords or cables to other devices are disconnected before moving the camera.If the digital camera will not be used for a long time, you would better unplug battery.

Feature

- CMOS sensor, up to 12 Mega pixels Interpolated resolution.
- 3-inch LTPS TFT color LCD monitor screen.
- Long battery life.
- 8X digital zoom
- 32MB internal flash memory, supports max. 2GB SD card or MMC card.
- Voice recording.
- 10 seconds or 20 seconds self-timer
- PICT print
- Slide show
- WEB cam

Handling Precautions

- The camera may become slightly warm during use. This is normal and does not indicate malfunction.
- Do not touch the lens or monitor screen with your fingers.
- Never perform other abnormal operation.

Basic Reference

Package Contents

Please check if the following
items are in the package when
purchasing the product:

- Camera
- Strap
- AV cable
- Pouch
- CD-ROM
- AC adaptor
- Basic reference
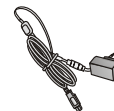- Rechargeable Li-ion battery
- USB cable

Camera

Strap

USB\AV cable

Pouch

CD-ROM

AC adaptor

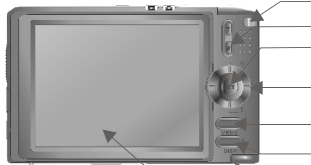Basic reference

Rechargeable Li-ion battery

Getting to know your Video Camera

Strap holder
Zoom button
SET button

Direction button

Menu button

Display button

LCD screen

Microphone

Power

Shutter button
Capture button
Playback button
LED

Macro switch

USB port

TV port

Flash

Lens

Battery cover
and memory
card slot

Tripod

Basic Reference

Loading the battery into the camera

1. Slide the battery cover and then swing it open.
2. Align the (+ -) mark on the battery with (+ -) mark on the camera and slide the battery into the camera .
3. Close the battery cover.

Charging the battery

There are two ways for charging the battery.
1.Connect the AC Adaptor to the camera, there will be a red light flickering on the camera.
2.Connect the camera to the PC with the USB cable.
3.It takes about 2 or 3 hours to charge fully.
Note: when charging is over, the light will turn green.

☺ Note

☞ While the battery is weak, the camera will suddenly shut off.
☞ Any pre-setting date/time value will be retained in the camera's memory for about 1 minute when replacing the battery.
☞ Make sure you remove the battery from the camera when you do not plan to use it for a long time. A battery left in the camera discharges very small amounts of power even when power is off, whicn can lead to a dead battery or the need for longer charging before the next use.

Using a Memory Card

1.The camera has 32 MB built-in memory for recording.
2.The camera supports max 2GB SD card or MMC card.

☺ Note:

☞ When there is a memory card inserted, it will be the top priority for saving data. If you want to store data in the buit-in memory, please remove the memory card first.

☞ Be sure to orient the card correctly when inserting it in. Never try to force a memory card into the slot when you feel resistance.

☞ While the camera cannot read the memory card, please clean metal interface softly with soft cloth. And then reload.

☞ Never remove a card from the camera while the camera is working. Doing so can cause the file save operation to fail, and even damage the memory card.

Basic Reference

Monitor Screen

① 📷 Capture Mode

② ⚡ Flash Mode

③ 🔆 White Balance

④ ⏱ Self Timer

⑤ 🔋 Power Capacity

⑥ SD Card

⑦ 🌷 Macro Mode

⑧ 010 000 Counter

⑨ **EV+0.5** EV Value

⑩ 12M Resolution

⑪ ★★ Image Quality

2006/04/02 Date
00:00:00 Time
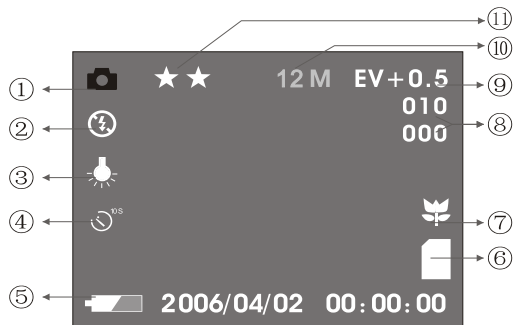
Recording an image

1.Press [📷] to enter the capture mode.
2.Point the camera at the subject, and use the monitor screen to compose the image.
3.Holding the camera still, gently press the [SHUTTER] button. When the image shown on the screen turning left, indicating the image is recorded.
4.In the capture mode, you can press [MENU] to set up the white balance, EV, resolution etc, press [SET] to confirm and back to upper menu, press [MENU] to back to standby mode.
  ◉ Press [MENU] enter the submenu to select the recording mode: continuous, 10s self-timer, AVI or WAV recording.
  ◉ Press [▲] to switch recording mode: single, continuous, 10s self-timer, movie or voice recording.
  ◉ Press [▼] to switch the flash mode: auto, flash off, flash on, red-eye reduction.
  ◉ Press [W T] button to adjust the digital zoom.

Basic Reference

Icon indicator

Capture mode	Single	⌾	White Balance	Auto	**AWB**	Flash mode	Auto	⚡A	Frame	30fps	30fps
	Continuous	⧉		Sunny	☀		Flash on	⚡		25fps	25fps
	10s Self-timer	⏱10S		Tungsten	💡		Red-eye Reduction	◉		15fps	15fps
	Movie	🎥		Fluorescent	▨		Flash off	⚡⃠	Image Quality	Best	★★★
	Voice recording	🎤		Cloudy	☁	EV	+/-2.0	EV+ 1.5		Good	★★
Color Effect	Color		Time/Date	On photo	▨					Basic	★
	Black and White			Not on photo	▨⃠						

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Icon indicator

Resolu-tion	4000x3000	4000	SET UP	Startup	On	Frequency	50Hz	Power Save	1MIN
	2560x1920	2560			Off				
	2048x1536	2048		Beep	On		60Hz		2MIN
	1600x1200	1600			Off				
	1024X768	1024		Format	Cancel	USB Mode	PC camera	Default	Cancel
	640X480	640			Format		Mass storage		Setup
	320X240	320							

SET UP	Recording memory	Built-in memory	Language	English	中文繁体	Espanol	Italiano	Version	
		External card		中文简体	Japanese	Fracaèse	Deutsch	TV OUT	NTSC
									PAL
Date /Time	2006/4/2 18：47：00								

Basic Reference

CAPTURE

CAPTURE	: SET UP
CAPTURE
White Balance
Flash
EV shift
Color Effect

SET →
← SET

CAPTURE	: SET UP
Resolution
Quality
Time Stamp
Frame Rate

CAPTURE	SET UP
CAPTURE
White Balance
Flash
EV shift
Color Effect

SET →
← SET

CAPTURE

Single
Continuous
10 Sec. Slef-timer
AVI
WAV
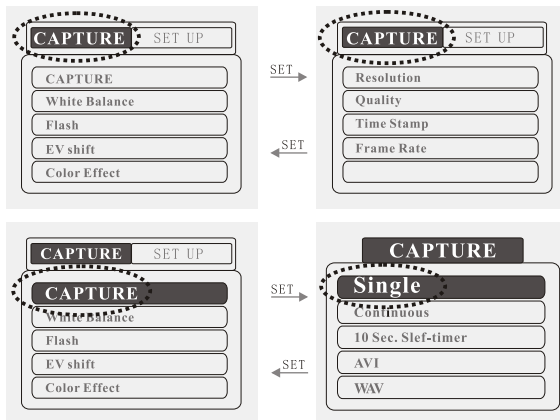
Function: You can select different capture mode, movie (AVI) or voice (WAV).

☺ **Note:**

When you are taking pictures, please hold the camera stably in order to shoot good pictures.

White Balance

CAPTURE	SET UP
CAPTURE	
White Balance	
Flash	
EV shift	
Color Effect	

SET →

SET ←

White Balance

Auto
Sunny
Cloudy
Tungsten
Fluorescent
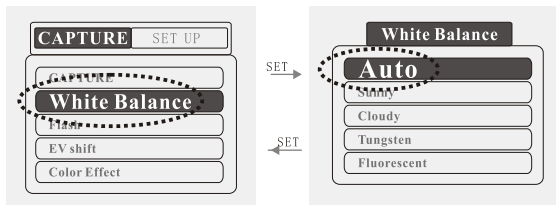
Function: Five different effects can be selected. According to your requirement, you can adjust the color of pictures.

Flash

CAPTURE	SET UP
CAPTURE	
White Balance	
Flash	
EV shift	
Color Effect	

SET →

SET ←

Flash

Auto
Compulsion
Red-eye reduction
Off
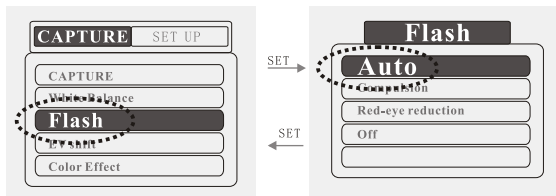
Function: According to the light source, select the right flash mode to make the better pictures.

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Basic Reference

EV shift

CAPTURE	SET UP
CAPTURE	
White Balance	
Flash	
EV shift	
Color Effect	

SET →

SET ←

EV shift

0. 0
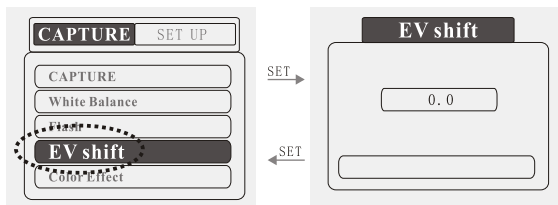
Function: According to the current light source, adjust the exposure value. Normally, when the light is dark, the value should be plus; contrarily, the other way should be minus.

☺**Note:** If the LCD is too dark, please adjust EV shift.

Color Effect

CAPTURE	SET UP
CAPTURE	
White Balance	
Flash	
EV shift	
Color Effect	

SET →

SET ←

Color Effect

Normal

B & W
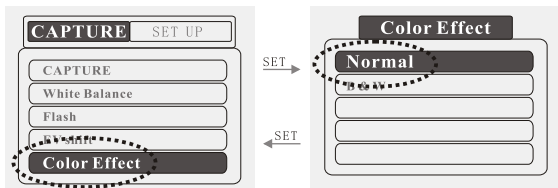
Function: According to your favourite, set up different color effects.

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Resolution

CAPTURE	SET UP
Resolution	
Quality	
Time Stamp	
Frame Rate	

SET →
← SET

Resolution	
12M	4000x3000
5M	2560x1920
3M	2048x1536
2M	1600x1200
1M	1024X768

分辨率	
VGA	640x480
CIF	320X240
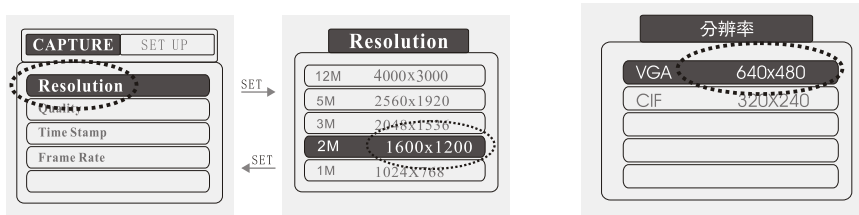
Function: According to your requirement, adjust the different resolution.

Quality

CAPTURE	SET UP
Resolution	
Quality	
Time Stamp	
Frame Rate	

SET →
← SET

Quality	
Fine	
Normal	
Basic	
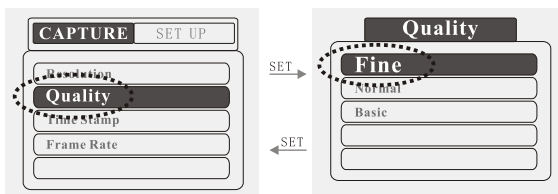
Function: Three quality modes can be selected. Better quality, more storage the picture takes.

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Basic Reference

Time Stamp

CAPTURE	SET UP		Time Stamp
Resolution		SET →	ON
Quality			OFF
Time Stamp		SET ←	
Frame Rate			
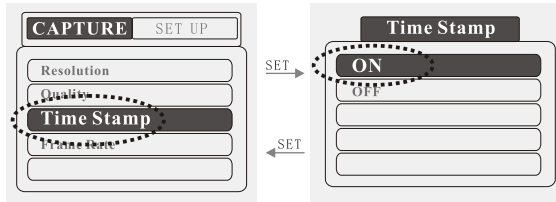
Function: Before setting time stamp, please adjust time in setup mode. When it is set to ON , the capture time will be stamped on the below right of the photo.

Frame Rate

CAPTURE	SET UP		Frame Rate
Resolution		SET →	30FPS
Quality			20FPS
Time Stamp		SET ←	15FPS
Frame Rate			
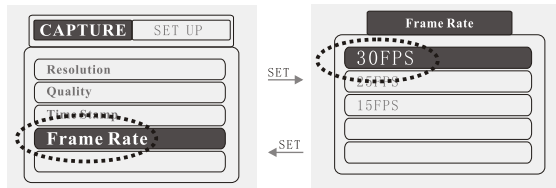
Function: According to your requirement, set the frame rate of the movie. Larger rate, larger movie file size it will be.

Setup mode

CAPTURE	SET UP
Animation	
Beep	
Frequency	
Format	
Default	

CAPTURE	SET UP
Language	
Sleep	
Version	
USB mode	
TV OUT	

CAPTURE	SET UP
Date Time	
FW Upgrade	

Animation

CAPTURE	SET UP
Animation	
Beep	
Frequency	
Format	
Default	

SET ▶

◀ SET
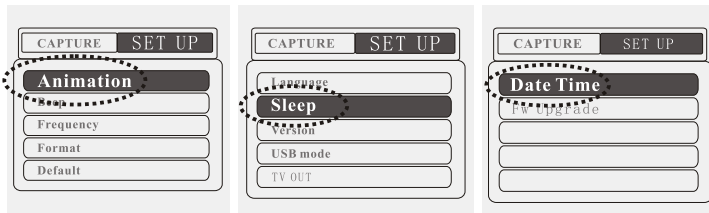
Animation
On
Off
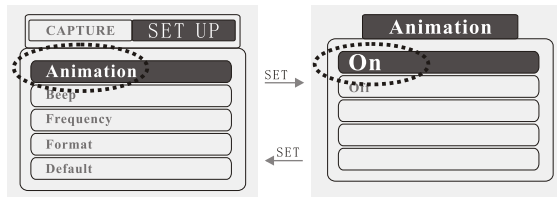
Function: When this mode is set to be on , a logo which appointed by the system will be shown after the digital still camera is turned on.

Basic Reference

Beep
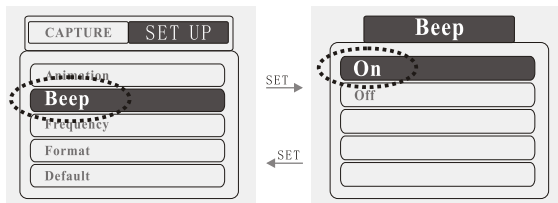
Function: Beep in use can be convenient to make sure your operations to the menu have been done.

Frequency
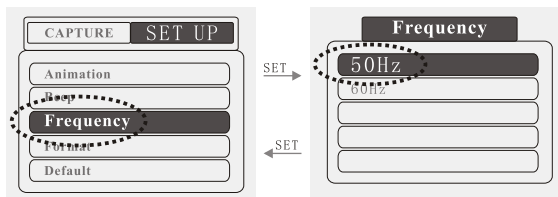
Function: According to the different light source, you can set up the right flicker frequency to make the image and monitor screen be in the best work studio.

Format

CAPTURE	SET UP			Format

```
CAPTURE    SET UP
  Animation         SET →      Format
  Beep                            Yes
  Frequency                       No
  Format           ← SET
  Default
```
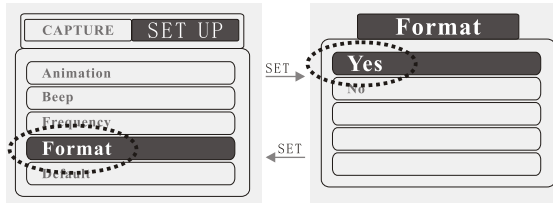
Function: Formating the current media deletes all the data including protected images stored in it. Note that the data deleted by formatting can not be recovered. Check to make sure you do not need any of the data in memory before you format it..

Default

```
CAPTURE    SET UP
  Animation         SET →      Default
  Beep                            Set Up
  Frequency                       Cancel
  Format           ← SET
  Default
```
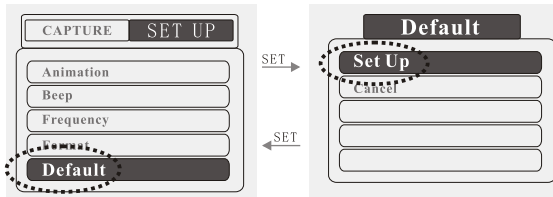
Function: Default settings can be used to make the digital camera system back to manufacturer's setting.

Basic Reference

Language

CAPTURE	SET UP
Language	
Sleep	
Version	
USB mode	
TV OUT	

SET →

Language	
English	
繁體中文	
繁體中文	
Japanese	
Francaèse	

← SET

SET →

Language	
Deutsch	
Espanol	
Italianol	

← SET

Function: You can select your native language in eight supported languages.

Sleep

CAPTURE	SET UP
Language	
Sleep	
Version	
USB mode	
TV OUT	

SET →

Sleep	
1min	
2min	

← SET
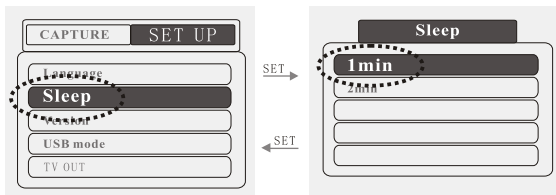
Function: When you set up to 1 minute or 2 minutes, the camera will turn off automatically when no operation is performed for 1 minute or 2 minutes. This function enables you to save power.

Version

CAPTURE	SET UP
Language	
Sleep	
Version	
USB mode	
TV OUT	

SET →

SET ←

Version

1390B3620J0110-B
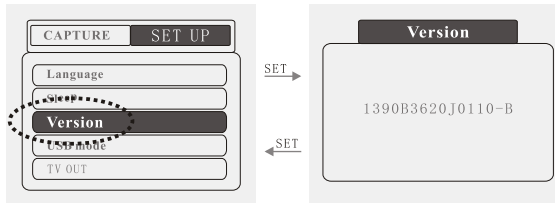
Function: You can check the firmware version of your digital camera system.

USB mode

CAPTURE	SET UP
Language	
Sleep	
Version	
USB mode	

SET →

SET ←

USB mode

Memory card
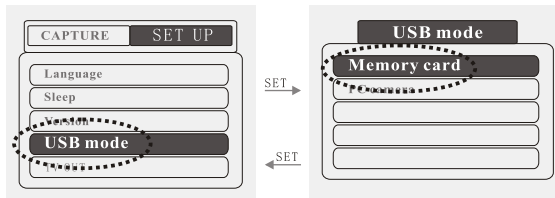
Function: Browse and edit the files in the camera via your computer or set it to webcam.

TV out

CAPTURE	SET UP		TV OUT
Language		NTSC
Sleep		PAL
Version		
USB mode		
TV OUT		

SET →

← SET
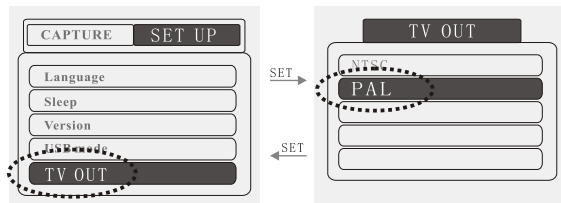
Function: You can select the right TV- OUT system to fit your TV set.

Date Time

CAPTURE	SET UP		Date Time
Date Time		2006 04 02
TV Upgrade		23 15

SET →

← SET
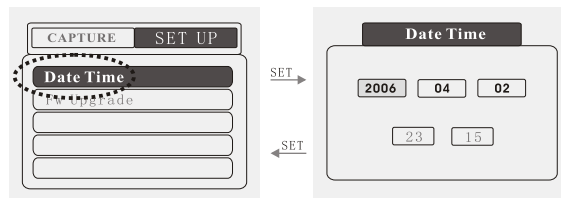
Function: The right date and time can be indicated on the pictures or videos you take.

Fw Upgrade

```
CAPTURE   SET UP              Fw Upgrade
Date Time             SET      Yes
Fw Upgrade                     NO
                      SET
```
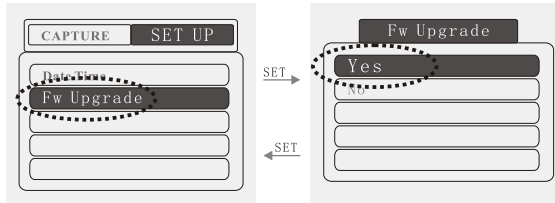
Function: You can upgrade the firmware version of your digital camera system.

Recording Video

1. Press ▲ to select video mode, an icon will display on screen.
2. Holding the camera still, press the [SHUTTER] release button fully to start video recording. A red dot and the recording will appear on the display. Press [SHUTTER] again to stop video recording.
3. In the video mode, you can press [MENU] to set the white balance, EV, resolution etc. Press [SET] to confirm and back to upper menu, press [MENU] to back to standby mode.

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Basic Reference

Recording Video

```
  ●   320          000

         00:00:12

      STOP SHUTTER

      ▭ 2006/04/02 05:26:38
```

☺ **Note:**

- Press [MENU] to enter capture mode and setup mode.
- Press ▲ to switch recording mode: single, continuous, 10s self-timer, movie or voice recording.
- Press [W T] button to adjust the digital zoom.

Recording Voice

1. Press [[●]] to enter the capture mode.
2. Press [MENU] to enter capture mode menu select [Voice recording] , press [SET] to confirm
   and back to upper menu, press [MENU] back to standby mode. Voice recording interface will
   display on screen.
3.Press the [SHUTTER] release button fully to start video recording. Press it again to stop.

00:08:18

START: SHUTTER

Basic Reference

Playback

1.Press ▶ playback button。
2.Use ◀▶ until the image you want to display.
 - When the file is movie or voice, press [SET] to play, press [SET] again to stop.
 - When the file is photo format, please press [SET] button and press [MENU] to enlarge the photo, press [DISP] to minify the photo.
 - Press [MENU] to enter edit menu.

		Delete		2x2
Playback	**Delete one**	Delete	**Index**	2x2
		Cancel		3x3
	Delete all	Delete		4x4
		Cancel	**Startup**	On
	Print			Off

Delete Current

Play back	
Delete Current	
Delete All	
Index	
Start up	
Print	

SET →

← SET

Delete Current	
Yes	
No	
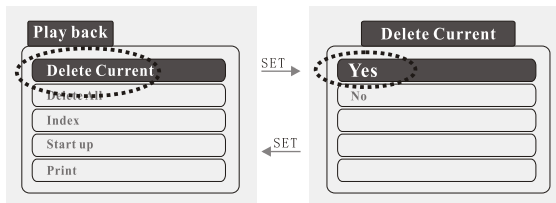
Function:You can delete the current file.

Index

Play back	
Delete Current	
Delete All	
Index	
Start up	
Print	

SET →

← SET

Index	
2X2	
3X3	
4X4	
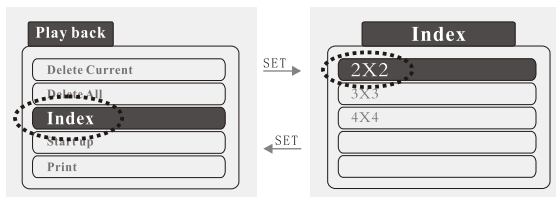
Function:This function enables you to display your pictures, movie in 2X2, 3X3, 4X4.

Basic Reference

Start up

Play back		Start up
Delete Current	SET →	**On**
Delete All		On
Index		
Start up	← SET	
Print		
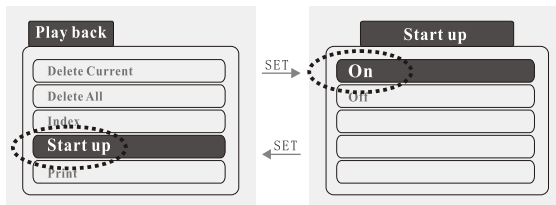
Function: When this mode is set on, a logo which appointed by the system will show when the digital camera is turned on.

Print

Play back		Print
Delete Current	SET →	**Yes**
Delete All		No
Index		
Start up	← SET	
Print		
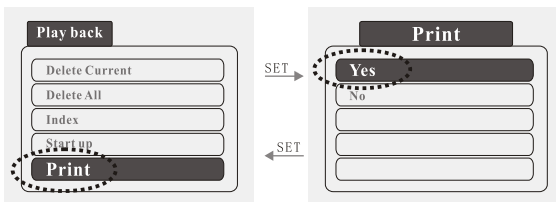
Function: Press SET to print the picture

USB MODE

In USB mode, you can choose mass storage to use the camera as a removeable disk, and choose PC camera as a webcam.

Mass Storage

Download photos and videos to computer
Install Device Driver for USB Driver only use under WIN 98 / 2000 XP.
1. Insert CD into CD-ROM.
2. Finish installation according to the indication on screen.
3. Restart your computer.

Connect your computer and camera.
1. Set you camera to USB mode, and choose the mass storage.
2. Connect your computer and camera with the USB cable.
3. Find out the removeable disk in My computer, and the photos and video you have taken are stored in this path My Computer/ Removable Disk/ DCIM/ 100 coach.

Download photos and videos
Have your camera power on and connect it to computer with the USB cable.Set your camera to PC mode, and choose the mass storage. Then you can use your camera as a removeable disk. You can copy the pictures or videos that you have taken to your computer or other CDs.

Basic Reference

PC Camera

1. Have your camera power on. Set your camera to PC mode.
2. Connect your camera and computer with the USB cable.
3. Open the software Video Edit Tool and so on. you can set your camera to webcam.

☺ **Note:**

Before Using PC Camera, you should insert CD in CD-ROM Driver to install Video Edit Tool.

How to connect with a printer

Print the picture directly via a PictBridge printer. Power-up the camera, enter Playback mode, choose the Picture which one will be printed, connect the printer through USB cable; There will be an icon ⚡ display on the Left-top corner, press [Menu] button, enter Print Menu. Waiting for the system finish the operation, and choose [YES] to print.

How to connect with a TV

You can skip your pictures and videos on TV

☺ **Note:**

1. Have your camera and TV power on
2. Use the supplied AV cable to connect the TV and camera.
3. Press down the direction button to review the pictures and vedios on TV.
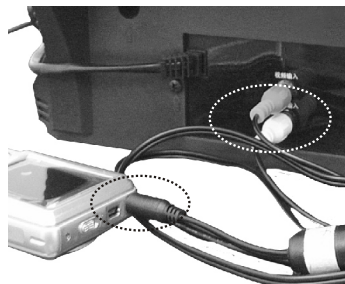
Basic Reference

How to connect with a computer
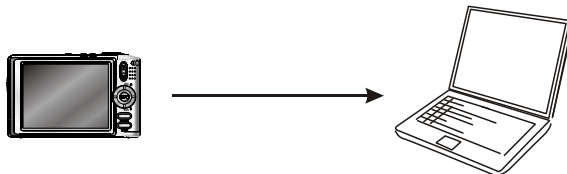
☺ Note:

1. Have the camera and computer on.
2. Choose the USB mode in setup mode and then use the USB cable to connect the computer and camera. You can download images to your computer.

Downloading photos / videos to the PC

Instructions to install USB driver and application softwares to you computer. Please read the following instruction carefully before installing driver program.

1. Please insert the software CD into the CD driver before connecting the camera to the computer (this CD is attached in the package.) and the install program will run automatically. (If the CD-ROM drive resists to run automatically, please double-chick Bdvdarun. Exe in the CD root folder).

Downloading photos / videos to the PC

2. Installation mass storage driver and PC camera driver.
   ① Select the icon of "Install Windows ME/2000/XP Driver", the installation could be finished as the indication shown on the screen.
   ② Turn the camera into the PC Camera mode; connect the camera to the computer with the USB cable attached in the package.
   ③ The computer could recognize the camera automatically and finish the setting. If the dialog box "This installing program is not authorized by Microsoft, Go on or Not?" Pops up, clickthe "go on installing" to finish the installation.
   ④ If the operating system is Windows 98, please pull out the USB cable after the above operations. Restart the camera, turn the camera turn the camera to the Memory Card mode and connect it with the USB cable again. The system will identify the camera automatically and also finish the setting. You can use the camera as a moveable Flash Disk.
   ⑤ If there is something wrong with the automatic installation, you could also finish the installation manually according to the guide to install the hardware. The corresponding driver program could be found in the drivers\ manual folder in the CD root folder. Please read " help file readme. Txt" in this folder.

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⑥ **Take Windows XP for example:**

    a. Do not connect the camera to computer. Insert the software CD into the CD-ROM, and the CD will run automatically. Following dialog box appears:

Install Device Driver ◄

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b. Click "Install Windows ME/2000/XP Driver", and the following dialog box appears:

Next◄

Basic Reference

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c. Click "NEXT", the following dialog box appears:

Set up- Video Camera Drivers

Ready to Install
Set up is now ready to begin installing Video Camera Drivers on you computer.

Click Install to continue with the installation.

< Back(B)   Install(i)   Cancel

Install(i)

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d. Click "Install" to copy the document, the following dialog box appears:

Set up- Video Camera Drivers
Completing the Video Camera Drivers set up wizard
Set up has finished installing Video Camera Drivers on your computer
Click Finish to exit setup.
Finish

e. Select "Finish".

Finish ◄

Basic Reference

f. Welcome to the Xvid Setup Wizard, click NEXT to continue.

Next

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g. Please read the following License Agreement. You must accept the terms of this agreement before continuing with the installation.
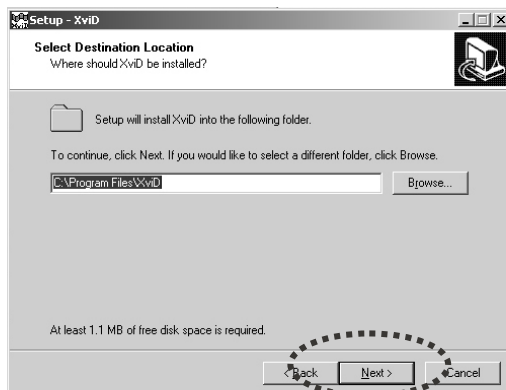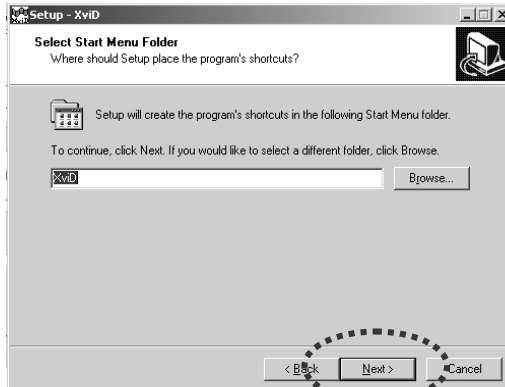

Next ◄

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h. Select Destination Location, and click NEXT to continue.

Next

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i. Click "NEXT", the following dialog box appears:

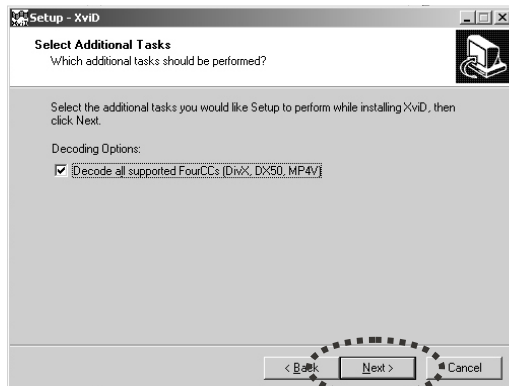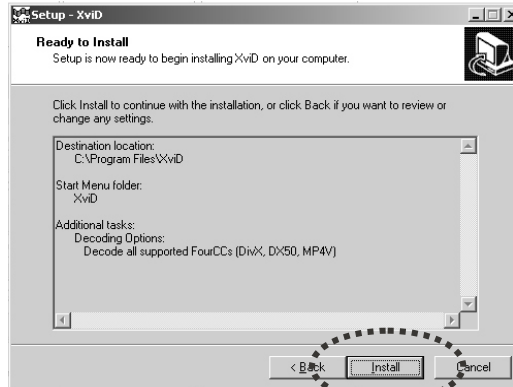**N**ext ◄

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j. Select the additional tasks you would like Setup to perform while installing XviD, then click NEXT.

Next ◄

Downloading photos / videos to the PC
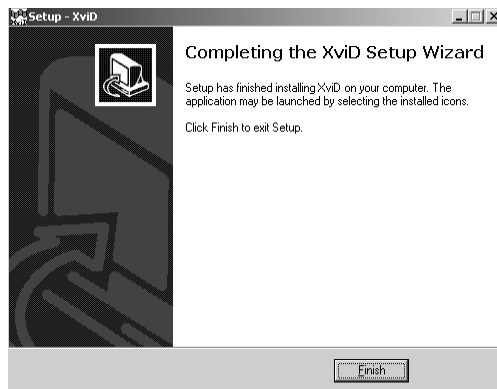
k. Click Install to continue with the installation.

Install ◄

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I. Click Finish to complete installation.

Trouble shooting

Power does not turn on
- The battery is not oriented correctly. Please orient the battery correctly.
- The battery is dead. Please charge the battery.

After turning on, camera suddenly turns off.
- The battery goes dead soon. Please charge the battery.

The camera turns off automatically.
- The battery goes dead soon. Please charge the battery.
- The camera is set to turn off automatically 1 min or 2 min when no operation performed for 1 min or 2 min.

After inserting a memory card, screen indicates mistake message.
- The memory card is not format or not the FAT or FAT 32 format. Please re-format it to FAT or FAT32.

A memory card is loaded, camera cannot record.
- Memory card is locked. Please unlock it.
- Memory card is full. Please transfer the files you want to keep to your computer and then delete files from memory, or use a different memory card.

Trouble shooting

Image is not recorded when the shutter button is pressed.

◉ The camera is not in the capture or video mode. Please press [video] or [capture] button to enter the currently selected recording mode.

◉ Flash unit is being charged. Please wait until the flash unit finished charging.

◉ Memory card is full. Please transfer the files you want to keep to your computer and then delete files from image memory, or use a different memory card.

The color of the photo taken is not normal.

◉ Please reset the white balance.

The image is too dark or too bright.

◉ Flash off is selected as the flash mode. Please select a different mode.

The date displayed is not correct.

◉ Please reset the date and time in setup mode.

All button and switches are disable.

◉ Circuit problem caused by electronic charge, impact, etc. While the camera is connected to another device. please remove the battery from the camera, reinsert It, And then try-it again.

Trouble shooting

Camera can not work as web cam over a USB Connection.
- The USB mode is not set as "PC camera".
- Check the connection between the camera and USB cable.
- USB driver is not installed. Please install the USB driver on your computer.

Camera can not transfer files over a USB connection.
- The USB mode is not set as "Mass storage".
- Check the USB connection between the camera and computer.
- USB driver is not installed. Please install the USB driver on your computer.

Icons disappear on the monitor screen.
- Please press 【DISP】 button to set the camera display icons on the screen.

Can not delete the files in camera.

Can not print the photos.
- The camera is not in the print mode. Please set the camera as print mode and check the connection of USB.

Cannot set protection or copy for the photos, video or voice.
- Please check if the files are selected or not.

Camera becomes warm.
- This is normal and does not indicate malfunction.

Basic Reference

Trouble shooting

The image is blurry.
- You are moving the camera. Hold the camera still for a moment when you shoot or mount the camera on a tripod.
- You are trying to use the macro mode when shooting a scenery or portrait short. Please move the macro switch to ▧ .