

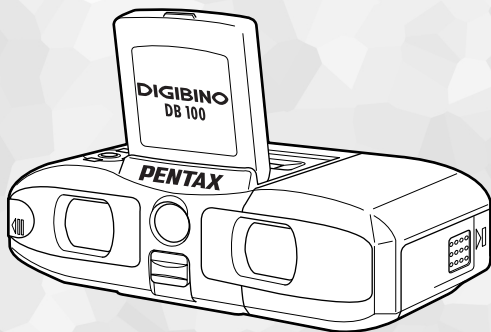
PENTAX™

BINOCULARS WITH A BUILT-IN DIGITAL CAMERA

DIGIBINO™

DB 100

Operating Manual



To ensure the best performance from your DIGIBINO, please read this Operating Manual before using the DIGIBINO.

Thank you for buying the Pentax DIGIBINO DB100. Please read this manual before using this product in order to get the most out of all the features and functions. Keep this manual safe, as it can be a valuable tool in helping you to understand this product's capabilities.

Regarding copyrights

Images taken using the DIGIBINO that are for anything other than personal enjoyment cannot be used without permission according to the rights as specified in the Copyright Act. Please take care, as there are even cases where limitations are placed on taking pictures even for personal enjoyment during demonstrations, industrial enterprise or as items for display. Images taken with the purpose of obtaining copyrights also cannot be used outside the scope of use of the copyright as laid out in the Copyright Act, and care should be taken here also.

To users of the DIGIBINO

- There is a possibility that recorded data may be erased or that DIGIBINO may not function correctly when used in surroundings such as installations generating strong electromagnetic radiation or magnetic fields.
- The liquid crystal panel used in the LCD display is manufactured using extremely high precision technology. Although the level of functioning pixels is 99.99% or better, you should be aware that 0.01% or fewer of the pixels may not illuminate or may illuminate when they should not. However, this has no effect on the recorded image.

Regarding trademarks


- PENTAX, DIGIBINO are trademarks of Asahi Optical Co., Ltd.
- All other brands or product names are trademarks or registered trademarks of their respective companies.

The illustrations and the display screen of the LCD monitor in this manual may be different from the actual product.

FOR SAFE USE OF YOUR DIGIBINO

Sufficient attention has been paid to the safety of this product but please pay particular attention to the warnings indicated by the following symbols during use.

 **WARNING** These symbols indicate that improper handling poses a high risk of causing death or serious injury.

 **CAUTION** These symbols indicate that improper handling poses a risk of causing injury or damage to the product or property.



 **WARNING**
NEVER look at the sun using the DIGIBINO.

 **WARNING**

- NEVER look at the sun using the DIGIBINO. Serious damage to the retina, or total loss of eyesight may occur.
- Do not leave the DIGIBINO in direct sunlight. Sun rays passing through this product will be intensified, and should they focus on flammable materials, fire may occur.
- Do not attempt to take the DIGIBINO apart or remodel the DIGIBINO, as there is a danger of receiving an electric shock.
- If the inside of the DIGIBINO should become exposed as a result of, for example, this product being dropped, please do not under any circumstances touch such exposed portions, as there is a danger of receiving an electric shock.

- Wrapping the strap of this product around your neck is also dangerous. Please take care that small children do not hang the strap around their necks.
- If the batteries fluid come in contact with your eyes, do not rub them. Flush your eyes with clean water and get medical attention immediately.
- If the batteries fluid come in contact with skin or clothes, wash affected areas thoroughly with water.

CAUTION

- Defective batteries could possibly become flammable. Do not attempt to touch the product if this occurs.
- Carefully remove the batteries if they explode or start smoking. Take care not to get burned if the batteries are hot.
- Some portions of the DIGIBINO heat up during use, so please take care, as there is a risk of low temperature burns if such portions are held for long periods of time.
- Do not use the DIGIBINO while walking as depth perception and peripheral vision are dramatically altered.
- Caution should be taken when adjusting the DIGIBINO barrels to avoid fingers being pinched.
- Using the DIGIBINO for an extended period of time may cause inflammation where the eyepieces and strap come in contact with skin.
- Do not swing the DIGIBINO by the neck strap.

Care to be Taken During Handling

- Do not direct the DIGIBINO to the sun with the lens barrier open. It may damage the image pickup device.
- When the DIGIBINO has not been used for a long time, confirm that it is still working properly, particularly prior to taking important pictures. Pentax is not responsible for consequential damages (costs incurred as a result of taking pictures, loss of benefits that were to be obtained through taking pictures) arising from failure of this product.
- Do not apply excessive force when adjusting the central focusing wheel, diopter adjusting ring, or eyepiece width.
- Ensure that this product is not subjected to substantial vibrations, shocks or pressure. Place this product on a cushion for protection when this product is subjected to the vibrations of a motorbike, car, or ship, etc.
- Do not use the DIGIBINO where it may come in contact with rain, water or any other liquid, because this product is not weather, water, or liquid resistant.
- The temperature range in which this product can be used is 0°C to 40°C (32°F to 104°F).
- Places of high temperature and humidity should be avoided. Particular care should be taken regarding vehicles, which can become very hot inside.
- The liquid crystal display will become black at temperatures of approximately 60°C (140°F) but will return to normal when normal temperatures are returned to.
- The response speed of the liquid crystal display becomes slow at low temperatures. This is due to the properties of the liquid crystal and is not a fault.
- If the DIGIBINO is subjected to rapid temperature changes, condensation may form on the inside and outside of this product. Therefore put the DIGIBINO in a bag or plastic bag, and take this product out when the difference in temperature has subsided.
- Avoid contact with garbage, dirt, sand, dust, water, toxic gases, salt, etc. as this may cause damage to the DIGIBINO. If rain or drops of water get onto the DIGIBINO, please wipe dry.

- Do not clean this product with organic solvents such as thinner or alcohol benzene.
- Storing the camera where pesticides and chemicals are handled should be avoided. Remove from case and store in a well-ventilated place to prevent the DIGIBINO from becoming moldy during storage.
- Periodic checks are recommended every 1 to 2 years in order to maintain high-performance.

Handling Batteries

- Use two size AA alkaline batteries, two size AA nickel hydride (NiMH) batteries, or one CR-V3 lithium battery pack.
- The number of digital photos you can take may be reduced depending on the shooting conditions, environment, and batteries.
- Manganese batteries cannot be used. Manganese batteries are short in service life and in addition heat generation may damage the DIGIBINO.
- Use the batteries correctly. Incorrect use may cause leakage, heat generation, and damage. When replacing a battery, place it correctly while noting the directions of the + and - markings.
- Generally, battery performance is temporarily deteriorated as temperature decreases. When the DIGIBINO is used in a cold environment, keep this product warm by holding it in some protection against cold or inside the clothes. Battery performance once deteriorated due to low temperature will be recovered when the batteries are returned to room temperature.
- The cathode or anode of a battery stained with sweat or oil may cause poor contact. Wipe it well with dry cloth before use.
- It is recommended to carry spare batteries when you go out for a long-term journey. Especially in foreign countries, compatible batteries may be unavailable depending on the region.

Contents

FOR SAFE USE OF YOUR DIGIBINO	1
Care to be Taken During Handling	3
Contents	5
Contents of the Operating Manual	7
Names of Parts	8
Checking the Contents of the Package	10
Getting Started	11
Attaching the Strap	11
Adjusting the Eyepiece Width	11
Adjusting the Diopter Control	13
Using the DIGIBINO as Binoculars	14
Installing Batteries	15
Setting the Date/Time	18
Quick Start	20
Taking Pictures	20
Taking Pictures Using the LCD Monitor	21
Playing Back Pictures	22
Playing Back a Single Image	22
Playing Back the Last Image Taken (One-touch View)	23
Modes and Menu	24
Changing the Mode	24
Using the Menu	25
How to Use the Menu	25
Menu List	27
Taking Pictures	29
Displaying Shooting Information	29
Selecting the Image Quality (Resolution)	30
Changing the Size of the Subject (Digital Zoom)	31
Continuous Shooting	32

Playback/Deleting	33
Displaying Image Information	33
Nine-image Display (Thumbnail)	34
Playing Back Images Continuously (Slideshow)	36
Zoom Display (Special Zoom)	37
Deleting Images	38
Deleting the Last Image Taken (One-touch Deletion)	38
Deleting a Single Image	39
Deleting All Images	40
Saving Important Images from Deletion (Protect)	42
Viewing Images on a TV	43
Settings	44
Initializing All Memory (Format)	44
Setting the Date Style	45
Adjusting the Date/Time	46
Changing the Display Language	47
Turning the Beep On/Off	48
Auto Power Off Function	49
Resuming from the Auto Power Off status	50
Resetting to Default Settings (Reset)	51
Viewing Images with a PC	52
Viewing Images with Windows PC	52
Installing the software (only for Windows 98SE)	53
Connecting the DIGIBINO and PC	56
Viewing images on your PC	56
Disconnecting the DIGIBINO from your PC	57
Viewing Images with Macintosh	59
Installing the software	60
Connecting the DIGIBINO and your Macintosh	61
Viewing images on your Macintosh	62
Disconnecting the DIGIBINO from your Macintosh	62
Appendix	63
Messages	63
Troubleshooting	64
Main Specifications	66
WARRANTY POLICY	67

Contents of the Operating Manual

This Operating manual contains the following chapters.

● Getting Started

This chapter explains how to use the DIGIBINO as binoculars, and what you need to do after purchasing this product before you start taking pictures. Be sure to read it and follow the instructions.

● Quick Start

This chapter explains the simplest way to take pictures and play back images. Use it if you want to start taking pictures straightaway.

● Modes and Menus

This chapter explains common operations such as how to change the mode, and how to use the menus. For more details, refer to the respective "Taking Pictures", "Playback/Deleting" and "Settings" chapters.

● Taking Pictures

This chapter explains the various ways of capturing images and how to set the relevant functions.

● Playback/Deleting

This chapter explains how to play back images on the DIGIBINO or on a TV and how to delete images.

● Settings

This chapter explains how to set the DIGIBINO's functions.

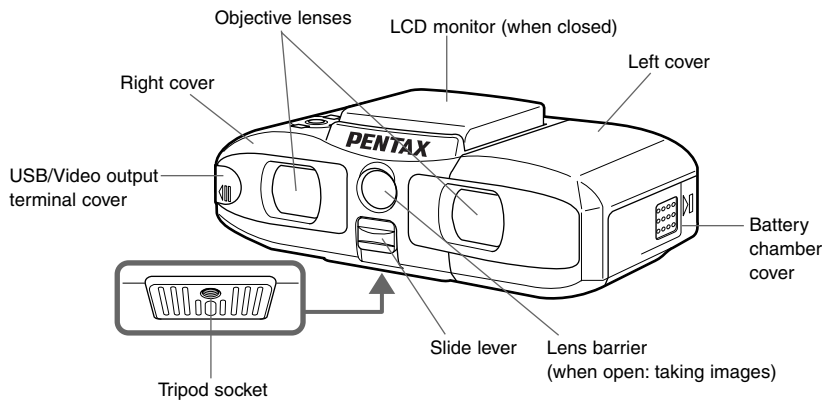
● Viewing Images with a PC

This chapter explains how to view recorded images with a PC using the software included CD-ROM.

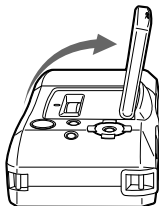
● Appendix

This tells you about the messages displayed on the LCD monitor and what to do in the event of trouble.

Names of Parts

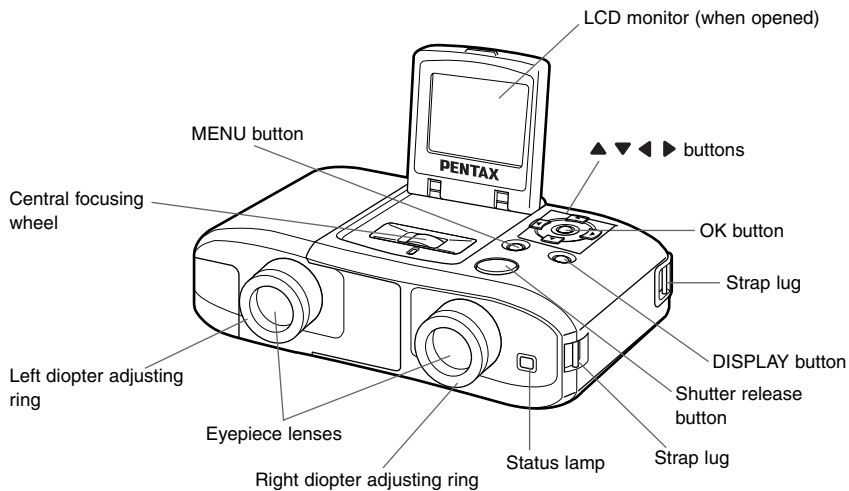


Opening the LCD monitor



Caution

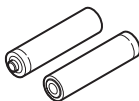
Do not apply excessive force when opening the LCD monitor.



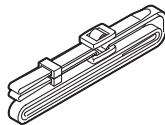
Checking the Contents of the Package



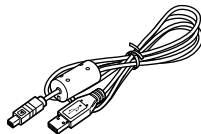
Main Unit (DB100)



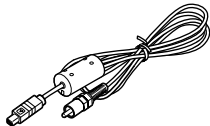
Size AA alkaline batteries (2)



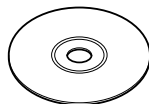
Strap



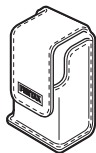
USB cable



Video cable



Software (CD-ROM)
(K-SW1)



Soft case



Operating Manual (this manual)

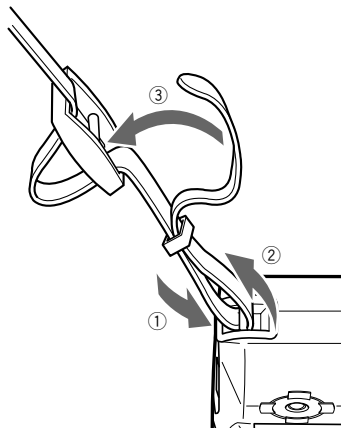


Warranty card

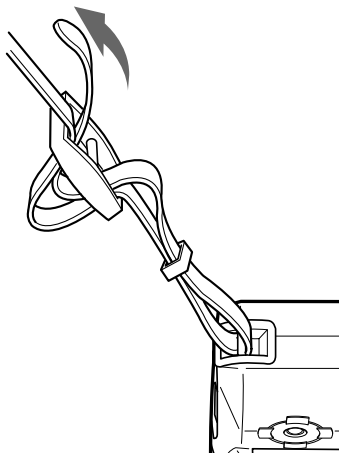
Attaching the Strap

Attach the included strap as shown in the illustrations below.

1



2



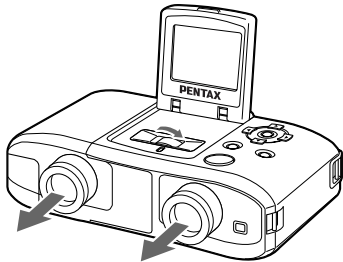
Caution

Pentax will assume no responsibility for damage that may occur if the product is dropped due to the incorrect attachment of the strap.

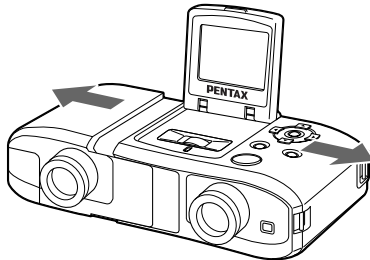
Adjusting the Eyepiece Width

The DIGIBINO eyepiece distance adjusts for optimal viewing through the eyepiece lenses.

- 1** Raise the LCD monitor.
- 2** Turn the central focusing wheel to slide out the eyepiece lenses.



- 3** While looking at an object through both the right and left eyepiece lenses, slide the cover outward or inward to adjust the eyepiece separation so you can see a single image with both eyes.

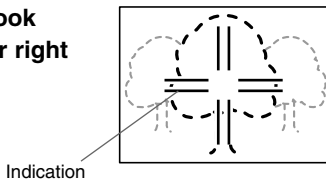


Adjusting the Diopter Control

The DIGIBINO diopter can be adjusted according to your eyesight.

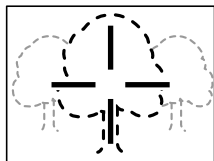
- 1 Direct the DIGIBINO to a light area and look through the right eyepiece lens with your right eye.**

Neither the object nor the indication are sharp.



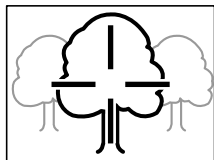
- 2 Turn the right diopter adjusting ring until the indication appears sharp.**

At this stage, the object may not appear sharp.



- 3 Next, turn the central focusing wheel until the object appears sharp with your right eye.**

Now, you can view both the indication and object sharply with your right eye.



4 Turn the left diopter adjusting ring until the object appears sharp with your left eye.

Now, you can view the object in focus with both eyes and the indication appears sharp with your right eye.

Caution

The diopter and focus must be adjusted completely to obtain properly focused images when shooting photos.

Once you finish these adjustments, all you have to do thereafter is to turn the central focusing wheel to focus on desired objects. It automatically adjusts the focus of the binoculars and camera together.

Using the DIGIBINO as Binoculars

Once you finish eyepiece width, diopter, and focus adjustments, you can use the DIGIBINO as binoculars. No batteries are required for using the DIGIBINO as binoculars.

Use the central focusing wheel to focus on objects.

Installing Batteries

Batteries that can be used in the DIGIBINO

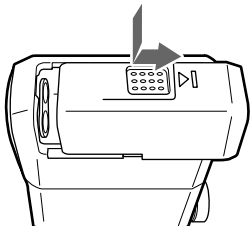
The following batteries can be used in the DIGIBINO:

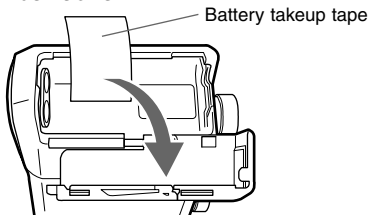
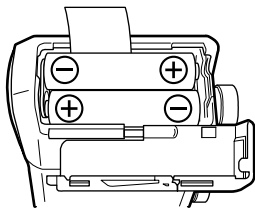
Size AA alkaline batteries (2), size AA nickel hydride (NiMH) batteries (2), CR-V3 lithium battery pack (1)

Caution

- Size AA manganese batteries cannot be used.
- Refer to "Handling Batteries" (p. 4).

- 1** Pull the battery chamber cover toward the eyepiece lens while pressing the side of the cover.




2 Open the battery chamber cover.**3 Insert two size AA batteries into the battery chamber with the battery takeup tape underneath. Insert the batteries correctly with regard to polarity (+ and -) marked on the battery and battery chamber.****Caution**


- If the batteries are placed in wrong directions, power cannot be turned on.
- If a CR-V3 lithium battery pack is inserted, also make sure the polarity marks.
- Be sure to place the battery takeup tape under the batteries. Otherwise, you may find it hard to remove the batteries.

4 Close the battery chamber cover.


After closing the battery chamber cover, slide it toward the objective lenses to lock it.

Battery Level Indicator

You can check the battery level by viewing the symbol  displayed on the LCD monitor.

 (lit green) : Adequate power remains.

 (lit green) : Battery is running low.

 (lit yellow) : Battery is running very low.

 (lit red) : Battery is exhausted.

[Battery depleted] : After the message is displayed, the DIGIBINO will turn off.

Memo

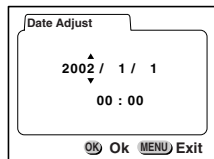
- If the power switch is turned on while the batteries are nearly dead, the status lamp by the right eyepiece lens continues blinking red and green.
- If the DIGIBINO does not operate properly because of a sudden voltage drop etc., replace the old batteries with new ones.

Setting the Date/Time

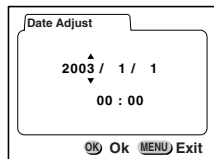
When the DIGIBINO power is turned on for the first time, the screen for setting the date and time appears. Set the current date and time.

- 1 Raise the LCD monitor, and then press the DISPLAY button.**

The DIGIBINO will turn on and the Date Adjust screen will be displayed on the LCD monitor.

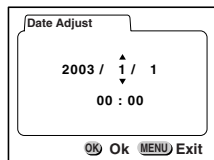


- 2 Press ▲ or ▼ button to change the year.**

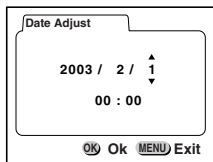


- 3 Press ► button.**

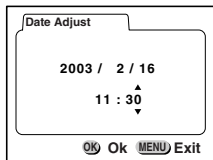
▲ and ▼ will be displayed above and below the month.



- 4** Press ▲ or ▼ button to change the month, and then press ► button.



- 5** Repeat Step 4 to change the [day] [hour] and [minutes].



- 6** When you have finished the settings, press the OK button when the clock reaches 00 seconds.

The screen confirming the settings will be displayed and the DIGIBINO is ready to take a picture.

Memo

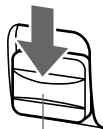
- If the MENU button is pressed, the setting is canceled but shooting is enabled. In this case, the Date Adjust screen appears again when the power is turned on next. You can change the settings after they have been made. Refer to “Adjusting the Date/Time” (p.46).
- The time display is 24-hour display format.

Taking Pictures

1 Lower the slide lever.

The lens barrier opens.

You hear a confirmation beep, the status lamp blinks red and green, and the power turns on.



Slide lever

2 Raise the LCD monitor.

3 While looking through the binoculars, turn the central focusing wheel to adjust the focus.

4 Press the shutter release button.

You will hear a confirmation beep and the status lamp will glow green for about one second.

The image will be recorded in the memory.

When the status lamp turns off, you can take the next picture.

When you move the slide lever up and close the lens barrier, the power turns off.

Caution

If the shutter speed is slower than 1/125 second, the status lamp will blink red (camera shake alarm) after taking the picture. Check the recorded image on the LCD monitor.

Taking Pictures Using the LCD Monitor

1 Lower the slide lever.

The lens barrier opens.

2 Raise the LCD monitor.

3 Press the DISPLAY button.

The LCD monitor turns on and displays images through the taking lens.



4 While looking through the LCD monitor, turn the central focusing wheel to adjust the focus.

Look through the binoculars to confirm the focus.

5 Press the shutter release button.

The image is displayed for two seconds (Instant Review).

When the image seen through the taking lens is displayed on the LCD monitor, you can take the next picture.

When you move the slide lever up and close the lens barrier, the power turns off.

Playing Back Pictures

Playing Back a Single Image

- 1 Move the slide lever up.**

The lens barrier closes.



- 2 Raise the LCD monitor, and then press the DISPLAY button.**

The last picture taken is displayed on the LCD monitor.



- 3 Press ◀ or ▶ button.**

When you press ◀ button, the previous image is displayed.

When you press ▶ button, the next image is displayed. (When the last picture taken is displayed, pressing ▶ button will display the first image.)

Playing Back the Last Image Taken (One-touch View)

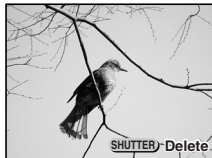
You can display the last picture taken.

When You Take Pictures Using the LCD Monitor

1 Press the OK button after taking a picture.

The last image taken will be displayed on the LCD monitor.

Press the OK button again to return to shooting status.



When You Take Pictures Using the Binoculars

1 Press the DISPLAY button.

The LCD monitor turns on and displays images through the taking lenses.

2 Press the OK button.

The last image taken will be displayed on the LCD monitor.

Memo

- During the One-touch View you can delete the image (One-touch Deletion). Refer to p. 38 for the One-touch Deletion function.
- If there are no images stored in the memory, the [No images in memory] message will be displayed.

Changing the Mode

Capture mode is for taking pictures and Playback mode is for playing back or erasing images.

Capture Mode

When you lower the slide lever and open the lens barrier, the status lamp blinks red and green with a beep and the power turns on. The DIGIBINO is now in Capture mode.

Playback Mode

Move the slide lever up, close the lens barrier, and raise the LCD monitor. Press the DISPLAY button. The power turns on, the LCD monitor turns on, and the DIGIBINO enters Playback mode.

The power is turned on and off (the LCD monitor is turned on and off) cyclical-ly each time the DISPLAY button is pressed.

Lens barrier combinations are shown in the table below:

	LCD monitor OFF	LCD monitor ON
Lens barrier closed	Power OFF	Playback Mode
Lens barrier opened	Capture Mode	Capture Mode

Using the Menu

When the LCD monitor is turned on, pressing the MENU button displays the menus on the LCD monitor. You can set the shooting functions and the various DIGIBINO functions in Capture mode or the playback functions in Playback mode.

How to Use the Menu

An explanation is given here using the [Rec.Mode] menu in Capture mode. The operation is the same as in Playback mode.

Refer to the chapters “Taking Pictures”, “Playback/Deleting” or “Settings” for details.

1 Raise the LCD monitor in Capture mode.

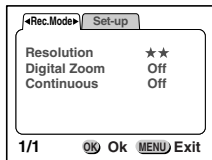
2 Press the DISPLAY button.

The LCD monitor turns on and displays images through the taking lens.



3 Press the MENU button.

The [Rec.Mode] menu is displayed. (The selected item is displayed in yellow.)

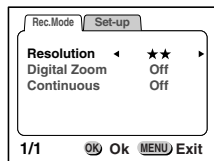
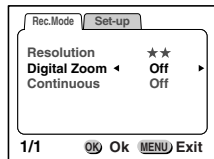


Memo

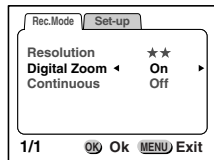
- When you press ◀ or ▶ button, the [Set-up] menu is displayed.

4 Press ▼ button.

The yellow area will move to the menu item.

**5 Press ▲ or ▼ button to select an item.****6 Press ◀ or ▶ button to change the setting.****6' If there is a Selected screen, press ▶ button to move to the Select screen.**

When you have finished making the settings, press the OK button to return to the menu.

**7 Press the OK button.**

The settings will be finished and the DIGIBINO is ready to take a picture.

Memo

- The menu screen and Selected screen display guidance on button operation on the bottom of the screen for your reference.
- Pressing the MENU button in Playback mode displays the [Playback] menu. For subsequent operations, refer to steps 4 to 7.

Menu List

Active Menus in Capture Mode

[Rec. Mode] Menu

Item	Description	Item (Bold type: Default setting)	Reference
Resolution	For selecting the size of recorded pixels	★★★ Best, ★★ Better (default), ★ Good	p.30
Digital Zoom	For taking digital zoom pictures	On, Off	p.31
Continuous	For continuous shooting mode	On, Off	p.32

[Set-up] Menu

Item	Description	Item (Bold type: Default setting)	Reference
Format	For initialization of the memory		p.44
Date Style	For setting the date style	yy/mm/dd , mm/dd/yy, dd/mm/yy	p.45
Date Adjust	For adjusting the date and time		p.46
Language	For changing the language in which menus and messages are displayed.	Japanese , English, Français, Deutsch, Español, Italiano	p.47
Beep	For adjusting the beep sound when a button is pressed.	On, Off	p.48
Video Out	For setting the video output format	NTSC or PAL (display only)	
Auto Power Off	Power is turned off automatically	3min. , 5min., Off	p.49
Reset	For returning the camera settings to defaults		p.51

Active Menus in Playback Mode

[Playback] Menu

Item	Description	Item (Bold type: Default setting)	Reference
Thumbnail	Display up to nine images simultaneously	On, Off	p.34
Slideshow	Recorded images are played successively.	1 sec., 3sec. , 5sec	p.36
Special Zoom	Display images magnified.	On, Off	p.37
Delete	Delete images.	One Shot , All Shots	p.38
Protect	Protect images from being accidentally erased.	On, Off	p.42

Displaying Shooting Information

In Capture mode (lens barrier opened), you can display shooting information on the LCD monitor.

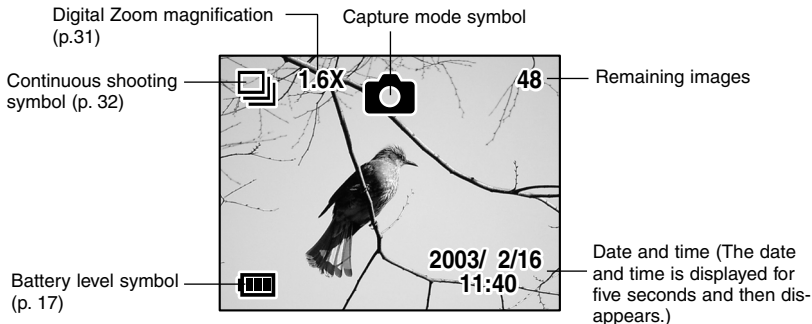
Press the DISPLAY button to turn on or off the LCD monitor.

Memo

- Refer to “Taking Pictures” (p. 20) for taking pictures.
- The scope (field of view) that can be viewed through the eyepiece lenses is about 85% of the image that is actually recorded. This means that the recorded image is slightly larger than the visual field seen through the binocular lenses. The image displayed on the LCD monitor is almost the same as that actually recorded.

LCD monitor On

Shooting information is displayed on the LCD monitor.



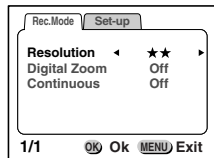
LCD monitor Off

The LCD monitor turns off, but shooting is enabled.

Selecting the Image Quality (Resolution)

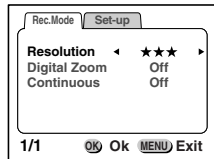
Three modes of image quality can be selected for taking pictures.

- 1 Display [Rec.Mode] menu. (p. 25)
- 2 Press ▼ button to select [Resolution].



- 3 Press ◀ or ▶ button to select the desired size.
- 4 Press the OK button.

The DIGIBINO is ready to take a picture.



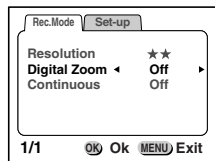
Resolution and Remaining Images

Resolution	Recordable Images	Image Quality
★★★ Best 1024 x 768 pixels (Low image compression rate)	Approx. 100	Best image quality of all image quality modes. Select this mode to take images to be saved, printed out, or downloaded to your PC for editing.
★★ Better 1024 x 768 pixels (High image compression rate)	Approx. 150	Default image quality mode.
★ Good 640 x 480 pixels	Approx. 300	Among image quality modes, the largest number of shots can be taken in this mode. File sizes are relatively small and fit for attachment to e-mail.

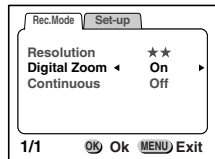
Changing the Size of the Subject (Digital Zoom)

Use of Digital Zoom function allows you to magnify images for shooting.

- 1 Display [Rec.Mode] menu. (p. 25)
- 2 Press ▼ button to select [Digital Zoom].



- 3 Press ◀ or ▶ button to select [On].



- 4 Press the OK button.

The DIGIBINO is ready to take a picture.

- 5 Pressing ▲ button once sets 1.6x magnification and pressing it twice sets 3.2x magnification.

Pressing ▼ button works for reduction.

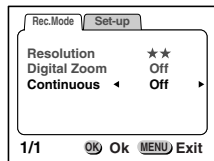
Caution

- The image quality is "Good" (640 x 480 pixels) when digital zoom of 1.6x magnification is used.
- The size of shooting image when digital zoom of 3.2x magnification is used is the same as that when digital zoom of 1.6x magnification is used. Use the digital zoom of 3.2x magnification mainly for focus adjustment.

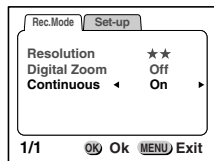
Continuous Shooting

Pictures are taken continuously while the shutter release button is pressed. Up to 10 shots, five shots per second, can be shot.


- 1 Display [Rec.Mode] menu. (p. 25)
- 2 Press **▼** button to select [Continuous].



- 3 Press **◀** or **▶** button to select [On].



- 4 Press the OK button.

 is displayed in the upper left of the screen, and the DIGIBINO is ready to take a picture.

- 5 Press the shutter release button.

Pictures will be taken continuously while the shutter release button is pressed, and stop when the button is released.

Displaying Image Information

In Playback mode (lens barrier closed), you can display information about playback images on the LCD monitor.

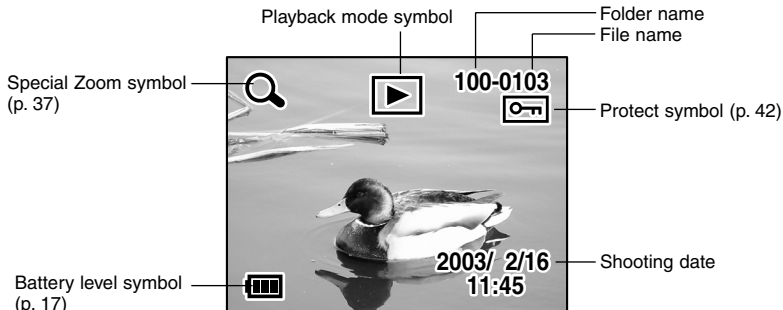
Press the DISPLAY button to turn on or off the LCD monitor.

Memo

Refer to "Playing back Pictures" (p. 22) about the basic playback method.

LCD monitor On

Image information is displayed on the LCD monitor.



LCD monitor Off

The Power is turned off.

Nine-image Display (Thumbnail)

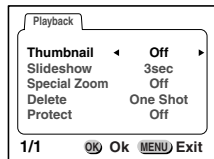
Up to nine images can be displayed simultaneously on the LCD monitor. You can quickly search for desired images.

1 In Playback mode, press ◀ or ▶ button to choose an image.

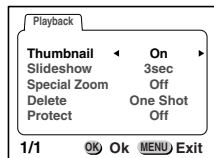
2 Press the MENU button.

The [Playback] menu is displayed.

3 Press ▼ to select [Thumbnail].



4 Press ◀ or ▶ button to select [On].



5 Press the OK button.

Nine images are displayed with the image selected in step

1 placed in the center.



6 Choose the desired image you want to view by pressing ▲, ▼, ◀ or ▶ button.

If you press ◀ button while an image on the left column is selected, the previous nine images are displayed.

If you press ▶ button while an image on the right column is selected, the next nine images are displayed.



7 Press the OK button.

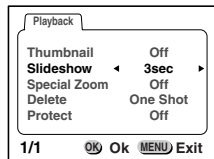
The selected image is displayed.



Playing Back Images Continuously (Slideshow)

You can play back all the images continuously.

- 1 Display the [Playback] menu. (p. 25)**
- 2 Press ▼ button to select [Slideshow].**



- 3 Press ◀ or ▶ button to select the playback interval.**

You can select the playback interval from among [1 sec], [3 sec] and [5 sec].

- 4 Press the OK button.**

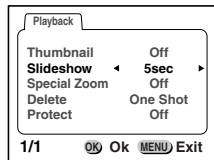
Playback will start at the set interval.

- 5 Press any button (except the shutter release button).**

The slideshow will stop.

Memo

The slideshow will continue until you press any button.



Zoom Display (Special Zoom)

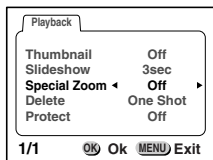
You can display images magnified. It can be used for focus confirmation after taking pictures etc.

1 In Playback mode, choose the image you want to magnify by pressing ◀ or ▶ button.

2 Press the MENU button.

The [Playback] menu is displayed.

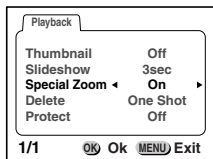
3 Press ▼ button to select [Special Zoom].



4 Press ◀ or ▶ button to select [On].

5 Press the OK button.

🔍 is displayed in the upper left of the screen.



6 Press ▲ button.

The central part of the image selected in step **1** is magnified.

Each press of ▲ button, the image is magnified to 1 time, 1.5 times, 2.0 times, 2.5 times or 3.0 times. The image becomes small by pressing ▼ button.

7 Press the OK button.

Zoom playback will end.

Memo

If you press ◀ button, the previous image is displayed, and if you press ▶ button, the next image is displayed.

Deleting Images

Deleting the Last Image Taken (One-touch Deletion)

The image that is played back in One-touch View (p. 23) can be deleted.

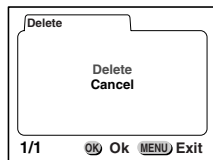
1 Play back the image in Easy View.

The last image taken will be displayed on the LCD monitor.



2 Press the shutter release button.

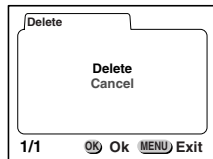
The confirmation screen for deletion is displayed.



3 Press ▲ button to select [Delete].

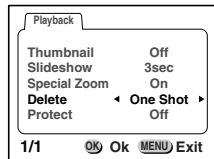
4 Press the OK button.

The last image taken will be deleted, and the DIGIBINO is ready to take a picture.

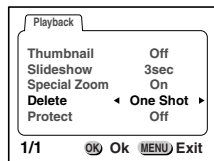


Deleting a Single Image

- 1** In Playback mode, choose the image you want to delete by pressing ◀ or ▶ button.
- 2** Press the MENU button.
The [Playback] menu is displayed.
- 3** Press ▼ button to select [Delete].

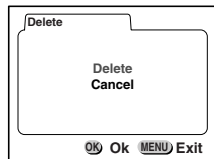


- 4** Press ◀ or ▶ button to select [One Shot].



- 5** Press the OK button.

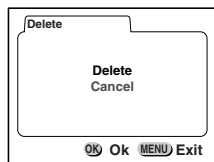
The confirmation screen for deletion is displayed.



6 Press ▲ button to select [Delete].

7 Press the OK button.

The image selected in Step 1 will be deleted.

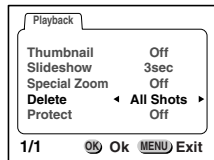


Deleting All Images

1 Display the [Playback] menu. (p. 25)

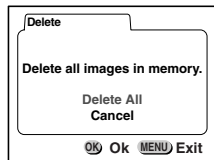
2 Press ▼ button to select [Delete].

3 Press ◀ or ▶ button to select [All Shots].



4 Press the OK button.

The confirmation screen for deletion is displayed.



5 Press **▲** button to select [Delete All].

6 Press the OK button.

All stored images will be deleted.




Caution

- Once deleted, images cannot be restored.
- Protected images cannot be deleted.

Saving Important Images from Deletion (Protect)

You can protect important images from being accidentally erased.

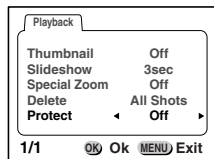
 is displayed for the protected images (p. 33).

1 In Playback mode, choose the image you want to protect by pressing ◀ or ▶ button.

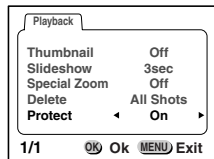
2 Press the MENU button.

The [Playback] menu is displayed.

3 Press ▼ button to select [Protect].



4 Press ◀ or ▶ button to select [On].



5 Press the OK button.

The image selected in Step **1** will be protected.

To Cancel the Protection of the Images

- 1 Choose the protected image in Step **1**.
- 2 Select [Off] in Step **4**.

Viewing Images on a TV

By using the included video cable, you can use any device with a video input terminal (such as a TV) as a monitor for taking and playing back pictures. Make sure that both the TV and the DIGIBINO are turned off before connecting the cable.

- 1 Open the USB/Video output terminal cover and connect the included video cable to the USB/Video output terminal.**
- 2 Connect the other end of the video cable to the video input terminal of the TV.**
- 3 Turn the TV and the DIGIBINO on.**
- 4 Capture and play back images using the DIGIBINO.**

TV monitor displays images through the taking lens of the DIGIBINO.

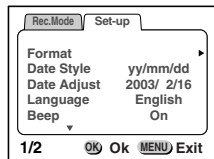
Memo

- Refer to the operating manual for the equipment to which the DIGIBINO is connected.
- The video output method cannot be changed.

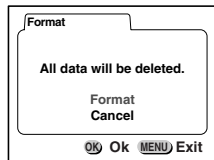
Initializing All Memory (Format)

Formatting will delete all the data in the memory.

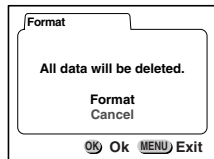
- 1 Display the [Set-up] menu. (p. 25)
- 2 Press ▼ button to select [Format].



- 3 Press ► button.
The Format screen will be displayed.



- 4 Press ▲ button to select [Format].



- 5 Press the OK button.

Formatting will start.

When formatting is completed, the DIGIBINO is ready to take a picture.

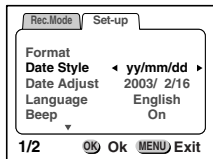
Caution

Formatting will delete protected data too.

Setting the Date Style

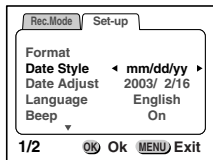
You can set the style in which the date is displayed on the LCD monitor.

- 1 Display the [Set-up] menu. (p. 25)
- 2 Press ▼ button to select [Date Style].



- 3 Press ◀ or ▶ button to select the date style.

You can select the date style from among [yy/mm/dd], [mm/dd/yy] and [dd/mm/yy].



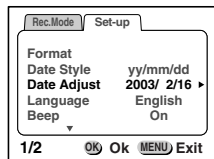
- 4 Press the OK button.

The DIGIBINO is ready to take a picture with the selected date style.

Adjusting the Date/Time

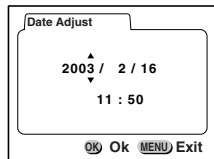
You can adjust the date and time settings.

- 1** Display the [Set-up] menu. (p. 25)
- 2** Press ▼ button to select [Date Adjust].



- 3** Press ► button.

The Date Adjust screen will be displayed.

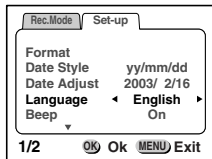


See “Setting the Date/Time” (p. 18) for the setting procedure.

Changing the Display Language

You can change the language in which the menus, error messages, etc. are displayed.

- 1 Display the [Set-up] menu. (p. 25)
- 2 Press ▼ button to select [Language].



- 3 Press ◀ or ▶ button to change the language.

You can select the language from among Japanese, English, French, German, Spanish and Italian.

- 4 Press the OK button.

The DIGIBINO is ready to take a picture.

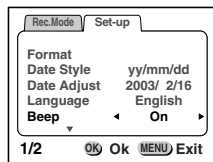


The menus, error messages are displayed with the selected language.

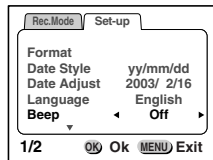
Turning the Beep On/Off

The beep sound can be turned on and off.

- 1 Display the [Set-up] menu. (p. 25)
- 2 Press **▼** button to select [Beep].



- 3 Press **◀** or **▶** button to select [On] or [Off].



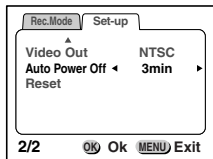
- 4 Press the OK button.

The DIGIBINO is ready to take a picture.

Auto Power Off Function

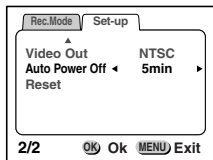
You can set the DIGIBINO to turn off automatically when no operation is performed for a fixed time.

- 1 Display the [Set-up] menu. (p. 25)**
- 2 Press ▼ button to select [Auto Power Off].**



- 3 Press ◀ or ▶ button to select the time.**

You can select the time from among [3 min], [5 min] and [Off].



- 4 Press the OK button.**

The DIGIBINO is ready to take a picture.

Memo

This function is not available when playing back with the slideshow and using the USB cable.

Resuming from the Auto Power Off status

Capture Mode

Close the lens barrier, and then open it, or press the DISPLAY button when the lens barrier is opened.

Playback Mode

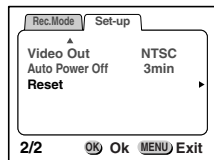
Press the DISPLAY button.

Resetting to Default Settings (Reset)

You can reset all the settings other than date style, the date and time and language.

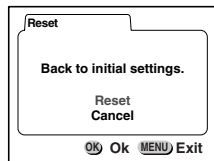
1 Display the [Set-up] menu. (p. 25)

2 Press ▼ button to select [Reset].

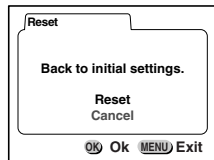


3 Press ► button.

The Reset screen will be displayed.



4 Press ▲ button to select [Reset].



5 Press the OK button.

All settings will be reset, and the DIGIBINO is ready to take a picture.

Viewing Images with Windows PC

Images recorded with the DIGIBINO can be viewed/edited/printed using a PC with the included USB cable and the included software.

About the included software

The included CD-ROM contains the following software:

- USB driver
- Image viewing software (ACDSee™ 3.1)

System environment

- OS : Windows 98SE/Me/2000/XP
- CPU : Pentium or later recommended
- Hard disk space : 15MB or more
- Standard equipped USB port

Installing the software (only for Windows 98SE)

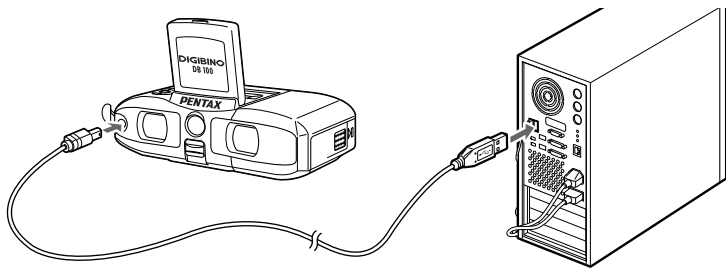
The procedures for installing the necessary software are explained.

Installing the USB driver

Memo

There is no need to install the USB driver for Windows Me, 2000, and XP.

- 1** Turn on your PC.
- 2** Set the included CD-ROM in the CD-ROM drive.
- 3** Turn the DIGIBINO off, and connect the PC and DIGIBINO using the included USB cable.



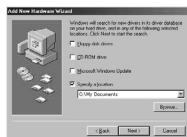
4 The [Add New Hardware Wizard] screen appears.



5 Click [Next].



6 Make sure that [Search for the best driver for your device (Recommended)] is selected and click [Next].



7 Make sure that [Specify a location] is checked and click [Next].

[PENTAX USB DISK Device] will appear.



8 Click [Next].

[Windows has finished installing the software that your new hardware device requires.] will appear.



- 9 Click [Finish].



Installing ACDSee™ 3.1

When installing ACDSee™ 3.1, recorded images can be viewed on your PC.

- 1 Turn on your PC.
- 2 Set the included CD-ROM in the CD-ROM drive.
- 3 Double click [My Computer].
- 4 Double click the [CD-ROM drive] icon.
- 5 Double click [English].
- 6 Double click [setup.exe].

The Setup screen will appear. Follow the on-screen guidance and enter the registration information.
- 7 When the installation is completed, restart Windows.

Connecting the DIGIBINO and PC

- 1 Turn on your PC.**
- 2 Turn the DIGIBINO off, and connect the PC and DIGIBINO using the included USB cable.**
- 3 The DIGIBINO is detected as [Removable Disk] in [My Computer].**

Memo

Although images can be viewed and printed, image data is on the memory of the DIGIBINO. To save the image data on the memory to another medium, refer to the instruction manual of your PC and move or copy files using Explorer, etc.

You can edit images on your PC after moving or copying files there.

Viewing images on your PC

- 1 Double click the [ACDSee™ 3.1] icon on the desktop.**
- 2 Select the image to view.**

DIGIBINO images can be found in [My Computer] → [Removable Disk] → [DCIM] → [xxxPENTX] (xxx is a 3-digit numeral) folder.

Disconnecting the DIGIBINO from your PC

To disconnect the DIGIBINO from your PC (Windows2000)

- 1 Double click  (Hot Plug icon) on the task bar tray.

The [Unplug or Eject Hardware] screen will appear.

- 2 Make sure [USB Mass Storage Device] is selected and click [Stop].

[Stop a Hardware device] screen will appear.

- 3 Make sure [USB Mass Storage Device] is selected and click [OK].

A message will appear.

- 4 Click [OK].

- 5 Disconnect the USB cable from your PC and DIGIBINO.

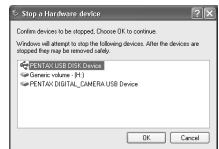
Memo

- For Windows Me, [USB Disk] is displayed instead of [USB Mass Storage Device].
- For Windows 98SE, there is no Hot Plug icon. When removing the DIGIBINO, disconnect the USB cable.



To disconnect the DIGIBINO from your PC (WindowsXP)

- 1 Click [Remove Hardware] icon on the task bar tray.
- 2 Make sure [USB Mass Storage Device] is selected and click [Stop].
- 3 Make sure [USB Mass Storage Device] is selected and click [OK].
- 4 After a message for safe disconnection is displayed, remove the USB cable from your PC and the DIGIBINO.



Viewing Images with Macintosh

Images recorded with the DIGIBINO can be viewed/edited/printed using a Macintosh with the included USB cable and the included software.

About the included software

The included CD-ROM contains the following software:

- Image viewing software (ACDSee™ 1.6)

System environment

- OS : Mac OS 9.0 - 9.2 (QuickTime 4.0 or later required)
- CPU : PowerPC 266MHz or higher
- Hard disk space : 6MB or more
- Standard equipped USB port

Installing the software

The procedures for installing the necessary software are explained.

Memo

There is no need to install the USB driver for Macintosh.

Installing ACDSee™ 1.6

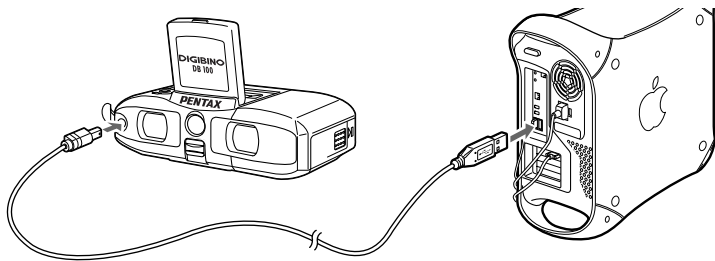
When installing ACDSee™ 1.6, recorded images can be viewed on your Macintosh.

- 1 Turn on your Macintosh.**
- 2 Set the included CD-ROM in the CD-ROM drive of your Macintosh.**
- 3 Double click [English] on the CD-ROM.**

Follow the on-screen guidance and enter the registration information and proceed with the installation.

Connecting the DIGIBINO and your Macintosh

- 1 Turn on your Macintosh.
- 2 Turn off the DIGIBINO and connect your Macintosh and DIGIBINO using the included USB cable.



- 3 The DIGIBINO is detected as [untitled] on the desktop.

The folder name can be changed as desired.

Memo

Although images can be viewed and printed, image data is on the memory of the DIGIBINO. To save the image data on the memory to another medium, refer to the instruction manual of your Macintosh and move or copy files.

You can edit images on your Macintosh after moving or copying files there.

Viewing images on your Macintosh

- 1** Double click the [ACDSee™ 1.6] folder on the hard drive.
- 2** Double click the [ACDSee™ 1.6] program icon.
- 3** Select the image to view.

DIGIBINO images can be found in the [untitled] → [DCIM] → [xxxPENTX] (xxx is a 3-digit numeral) folder on the desktop.

Disconnecting the DIGIBINO from your Macintosh

- 1** Drag the [untitled] folder on the desktop to Trash.
- 2** Remove the USB cable from your Macintosh and the DIGIBINO.

Messages

Messages such as the following may be displayed on the LCD monitor during DIGIBINO operation.

Memory full	The memory is full and no more images can be saved. Delete unwanted images. (p. 38) Change the quality/size and try again. (p. 30)
No images in memory	There are no images on the memory.
This image is protected.	The image you are trying to delete is a protected image.
Battery depleted.	The batteries are exhausted. Replace with new batteries or charged batteries.
Recording...	The image is being recorded on the memory.
(Un)Protecting...	The image is being protected or unprotected.
Formatting...	Memory is being formatted. (p. 44)
Deleting...	The image is being deleted. (p. 38)
Image folder could not be created.	The largest file number is assigned to an image and no more images can be saved. Format the memory. (p. 44)
DIGIBINO can not display this image	You are trying to play back an image in a format not supported by the DIGIBINO. You may be able to display it on another brand of camera or PC.

Troubleshooting

Problem	Cause	Remedy
Power will not come on	Batteries are not installed	Check batteries are installed. If not, install battery. (p. 15)
	Batteries are installed incorrectly	Check orientation of batteries. (p. 11)
	Battery power is low	Replace new batteries or charged batteries.
No image on the LCD monitor	LCD monitor is set to OFF	Press DISPLAY button to turn LCD monitor on.
	Image is displayed but is hard to see	Image on LCD monitor may be hard to see when taking pictures outside in sunlight.
Shutter release button will not release	DIGIBINO is set to Playback mode	Set the DIGIBINO to the Capture mode. (p. 24)
	No available space on the memory	Delete unwanted images. (p. 38)
	Recording	Wait until recording is finished.
Subject is not in focus	Diopter and focus of the binoculars are not adjusted.	Adjust the diopter and focus of the binoculars. (p. 13)

Main Specifications

Binoculars

Magnification	: 7 x
Effective diameter of objective lens:	17 mm x 14 mm
Real field of view	: 7.1°
Prism type	: Roof prism
Focusing method	: Eyepiece lens sliding method
Focusing range	: 2 m to ∞ (infinity)
Diopter adjustment range:	-5 m ⁻¹ to +3 m ⁻¹ (Dptr) both left and right eyepiece lenses with index on right eyepiece

CCD

File Formats	: JPEG (Exif 2.1), DCF
Image Quality	: Best, Better, and Good
Focusing method	: Binoculars synchronization (2 m to ∞ (infinity))
Storage Media	: Built-in memory 16 MB (when Best is selected: Approx. 100)

CCD/Recorded Pixels:

	1/3 inches
Effective pixels	0.8 megapixel
Total pixels	0.85 megapixel
Progressive method	
Best:	1024 x 768 pixels
Better:	1024 x 768 pixels
Good:	640 x 480 pixels

Taking Lens	: Pentax 37 mm F4 (Equivalent to 280 mm in 35 mm format)
Scope	: 8.3° (Visual field rate: 85%)
Digital Zoom	: 1.6x (Equivalent to 450 mm in 35 mm format), 3.2x

White Balance	: TTL full automation
Exposure Control	: TTL automatic program
Shutter Speed	: Approx. 1/8000 sec. to 1/30 sec. CCD electronic shutter
Sensitivity	: ISO 100 to 1600, Auto
Continuous Shooting:	5 shots/per second x 10 shots
Introduction Method to CCD:	3 lens methods including the taking lens

LCD

1.6 inch. D-TFD color LCD (with backlight)

Others

Tripod socket	: Included
Interface	: Data input/output terminal (USB), Video output terminal
Power Sources	: Size AA alkaline batteries (2), Size AA nickel hydride (NiMH) batteries (2), CR-V3 lithium battery pack (1)
Dimensions	: 127 (W) x 44 (H) x 69 (D) mm (5.0 x 1.7 x 2.7 inches)
Weight	: 255 g (9.0 oz.) (without batteries)
Accessories	: USB cable, Video cable, Size AA alkaline batteries (2), Software CD-ROM, Soft case, Strap, Warranty card, Operating Manual (this manual)

WARRANTY POLICY

All Pentax cameras purchased through authorized bona fide photographic distribution channels are guaranteed against defects of material or workmanship for a period of twelve months from date of purchase. Service will be rendered, and defective parts will be replaced without cost to you within that period, provided the equipment does not show evidence of impact, sand or liquid damage, mishandling, tampering, battery or chemical corrosion, operation contrary to operating instructions, or modification by an unauthorized repair shop. The manufacturer or its authorized representatives shall not be liable for any repair or alterations except those made with its written consent and shall not be liable for damages from delay or loss of use or from other indirect or consequential damages of any kind, whether caused by defective material or workmanship or otherwise; and it is expressly agreed that the liability of the manufacturer or its representatives under all guarantees or warranties, whether expressed or implied, is strictly limited to the replacement of parts as hereinbefore provided. No refunds will be made on repairs by non-authorized Pentax service facilities.

Procedure During 12-month Warranty Period

Any Pentax which proves defective during the 12-month warranty period should be returned to the dealer from whom you purchased the equipment or to the manufacturer. If there is no representative of the manufacturer in your country, send the equipment to the manufacturer, with postage prepaid. In this case, it will take a considerable length of time before the equipment can be returned to you owing to the complicated customs procedures required. If the equipment is covered by warranty, repairs will be made and parts replaced free of charge, and the equipment will be returned to you upon completion of servicing. If the equipment is not covered by warranty, regular charges of the manufacturer or of its representatives will apply. Shipping charges are to be borne by the owner. If your Pentax was purchased outside of the country where you wish to have it serviced during the warranty period, regular handling and servicing fees may be charged by the manufacturer's representatives in that country. Notwithstanding this, your Pentax returned to the manufacturer will be serviced free of charge according to this procedure and warranty policy. In any case, however, shipping charges and customs clearance fees to be borne by the sender. To prove the date of your purchase when required, please keep the receipt or bills covering the purchase of your equipment for at least a year. Before sending your equipment for servicing, please make sure that you are sending it to the manufacturer's authorized representatives or their approved repair shops, unless you are sending it directly to the manufacturer. Always obtain a quotation for the service charge, and only after you accept the quoted service charge, instruct the service station to proceed with the servicing.

- **This warranty policy does not affect customer's statutory rights.**
- **The local warranty policies available from Pentax distributors in some countries can supersede this warranty policy. Therefore, we recommend that you review the warranty card supplied with your product at the time of purchase, or contact the PENTAX distributor in your country for more information and to receive a copy of the warranty policy.**

For customers in the USA**STATEMENT OF FCC COMPLIANCE**

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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

This equipment has been tested and found 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 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 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 measures:

- Reorient or relocate 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.

For customers in Canada

This Class B digital apparatus meets all requirements of the Canadian Interference - Causing Equipment Regulations.

Pour les utilisateurs au Canada

Cet appareil numérique de la classe B respecte toutes les exigences du Règlement sur le matériel brouilleur du Canada.



The CE Mark is a Directive conformity mark of the European Community.

MEMO

MEMO



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- Specifications and external dimensions are subject to change without notice.