On-line camera manual library
This is the full text and images from the manual. This may take 3 full minutes for the PDF file to download.

If you find this manual useful, how about a donation of $3 to: M. Butkus, 29 Lake Ave., High Bridge, NJ 08829-1701 and send your e-mail address so I can thank you. Most other places would charge you $7.50 for a electronic copy or $18.00 for a hard to read Xerox copy.

This will allow me to continue to buy new manuals and pay their shipping costs. It'll make you feel better, won't it? If you use Pay Pal or wish to use your credit card, click on the secure site on my main page.

PENTAX
efina T

ADVANCED
PHOTO SYSTEM
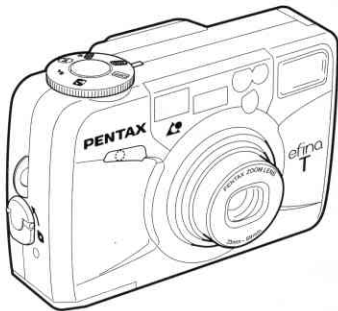
Before using your camera, please be sure to read these instructions, carefully.

ENGLISH P.12-39

Avant de commencer à vous en servir, veuillez lire attentivement ce mode démploi, afin de vous familiariser avec votre appareil.

FRANÇAIS P.40-67

Antes de utilizar la cámara asegúrese de haber leído atentamente estas instrucciones.

ESPAÑOL P.68-95

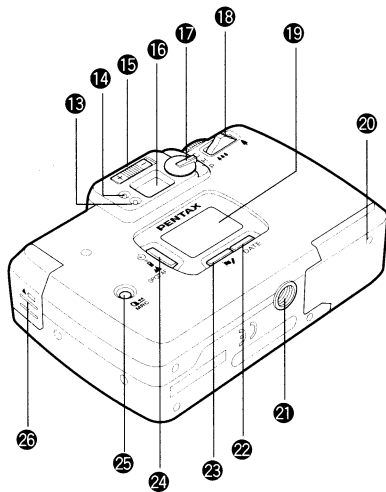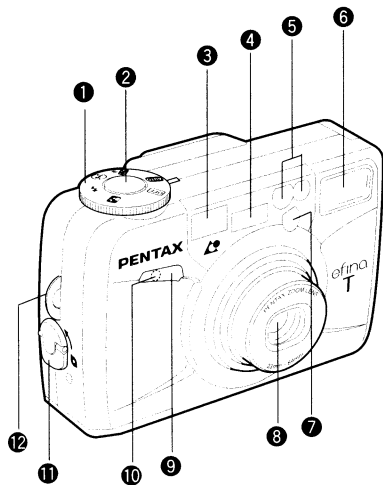Antes de usar a sua máquina, leia atentamente estas instruções, por favor.

PORTUGUÊS P.96-123

在使用相機之前，請務必仔細閱讀下列說明。

中文 P.124-151

1

		Operation direction	Sens de la manoeuvre	Dirección de manejo	Sentido de funcionamento	操作方向
←		Automatic operation	Fonctionnement automatique	Funcionamiento automático	Operação automática	自動操作
◀----▶						
◌		Attention	Attention	Atención	Atenção	注意
☀		Lamp lighted	Témoin allumé	Piloto encendido	Lâmpada acesa	燈號亮起
○		Correct	Correct	Correcto	Correcto	正確
✕		Incorrect	Incorrect	Incorrecto	Incorrecto	錯誤

Fig. 1
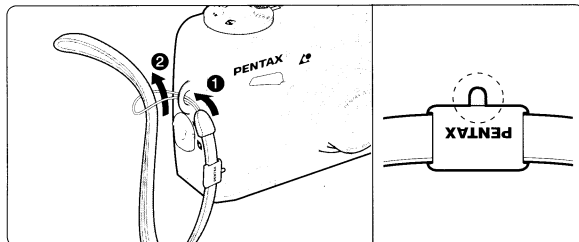
Fig. 2
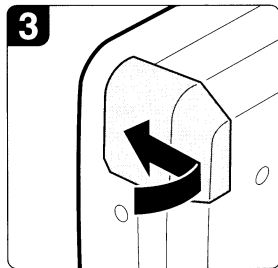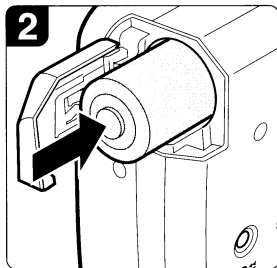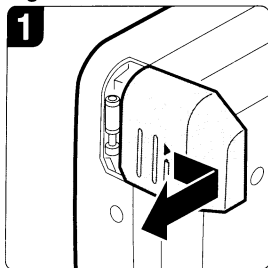
Fig. 3

PENTAX

'99 10 1

DATE

Fig. 4

OFF

AUTO

AUTO

Fig. 5

C

H

P

3

Fig. 6

1

2

3

4

PENTAX

'99 10 1

DATE

Fig. 7

○1

2

4

3

Fig. 8

PENTAX

4
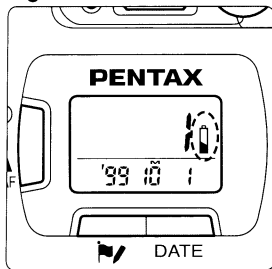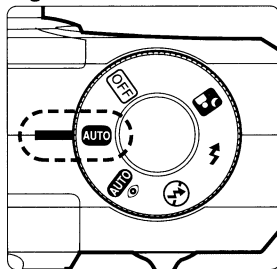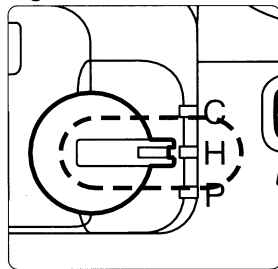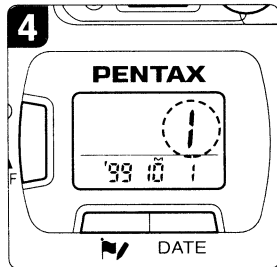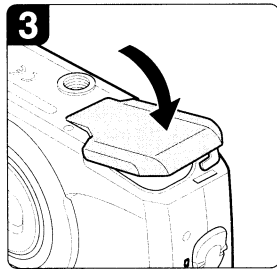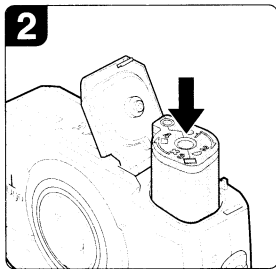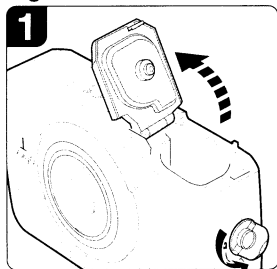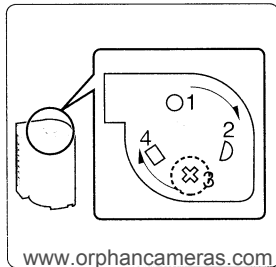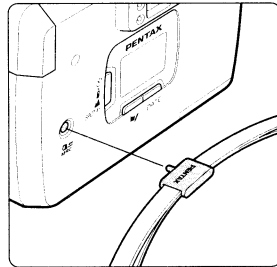
Fig. 9
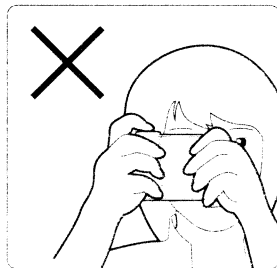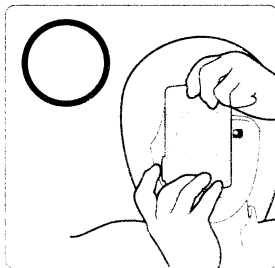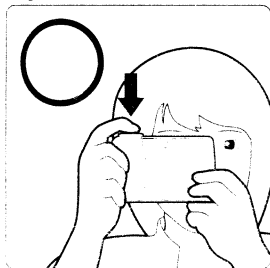
Fig. 10
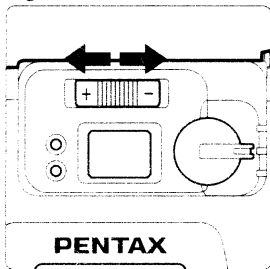
PENTAX

Fig. 11
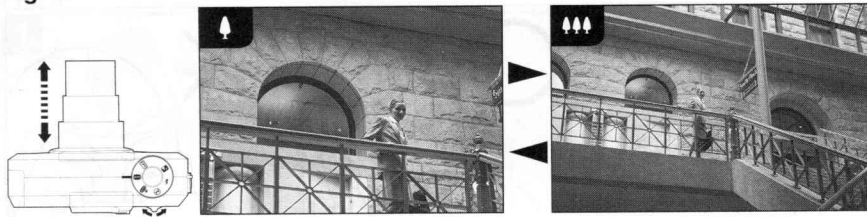
Fig. 12
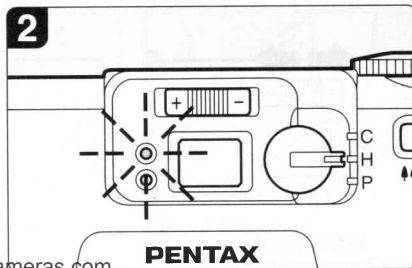
PENTAX

Fig. 13
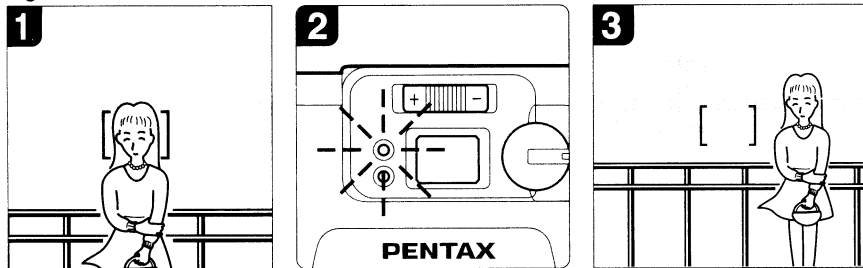
Fig. 14
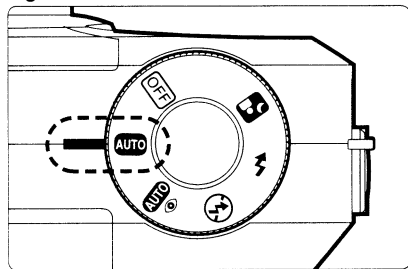
Fig. 15

Fig. 16

Fig. 17

Fig. 18

8

Fig. 19

Fig. 20

4m

Fig. 21

Fig. 22-1

Fig. 22-2

10

Fig. 23

11
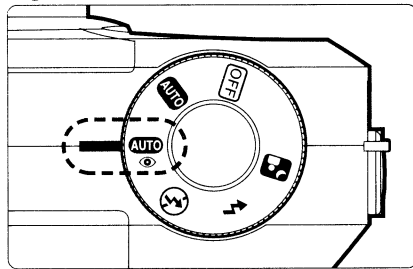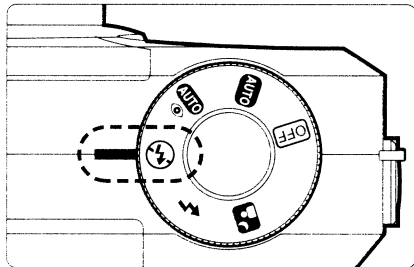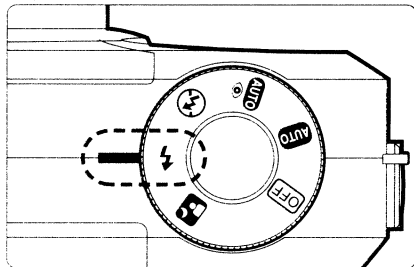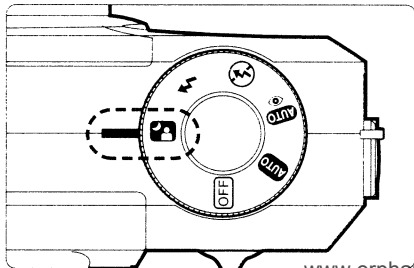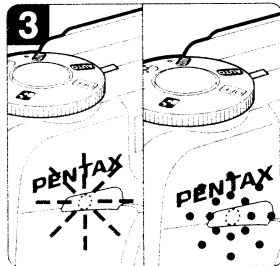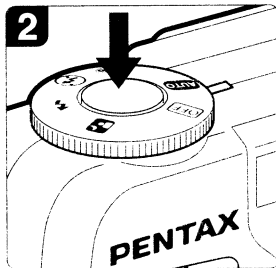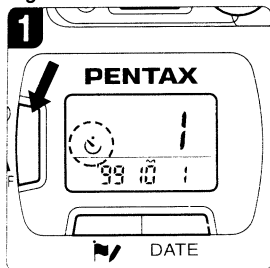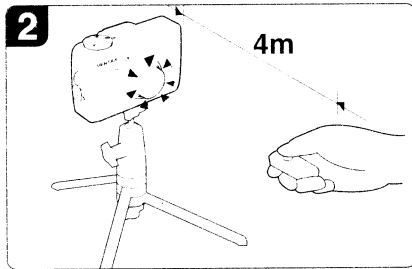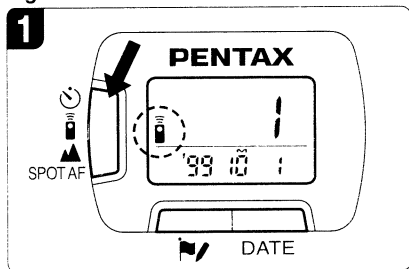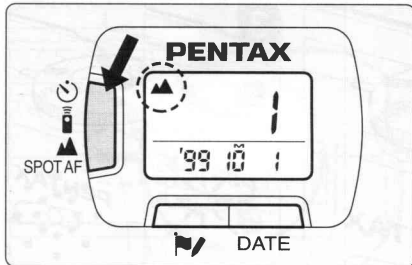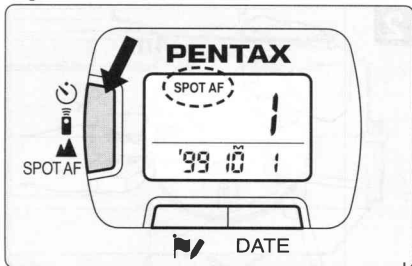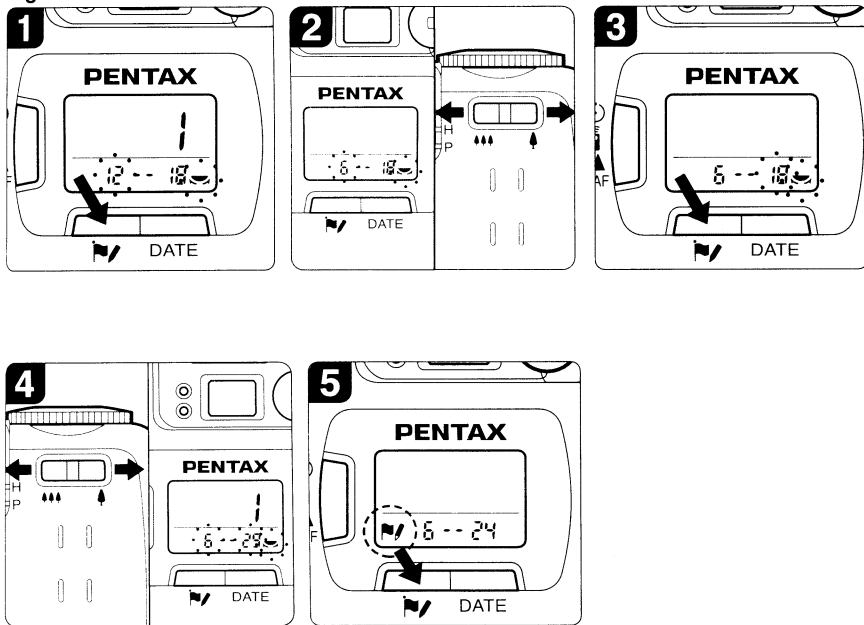
ENGLISH

Thank you very much for purchasing the PENTAX efina T. The efina T is an Advanced Photo System camera with a 23mm to 69mm X3 zoom. This camera features a variety of functions including: switching between three different print sizes, mid-roll film changing, 31 title printing and a remote control capability.

- Please read this manual carefully before operating the camera to take consistently superior pictures.
- Pay special attention to the notes in this Operating Manual.

NAMES OF WORKING PARTS

E

❶ Mode dial (p.28)
❷ Shutter release button (p.25)
❸ Viewfinder window
❹ Autofocus window
❺ Light sensor window
❻ Built-in flash
❼ Spotbeam window (p.27)
❽ Lens
❾ Self-timer lamp (p.31)
❿ Remote control receiver (p.31)
⓫ Film cartridge chamber lever (p.23)
⓬ Strap lug (p.20)
⓭ Red lamp (p.22)
⓮ Green lamp (p.22)
⓯ Diopter adjustment lever (p.25)
⓰ Viewfinder eyepiece
⓱ Print selection lever (p.22)
⓲ Zoom lever (p.26)
⓳ LCD panel
⓴ Film cartridge chamber cover (p.23)
㉑ Tripod socket
㉒ Date button (p.33)
㉓ Title/Language selection button (p.36)
㉔ Drive button (p.30)
㉕ Mid-roll rewind button (p.25)
㉖ Battery chamber cover (p.20)

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TABLE OF CONTENTS

PRECAUTIONS FOR YOUR CAMERA

Precautions when taking pictures
- Do not use the camera where it may come in contact with rain, water or any other liquid, because the camera is not weather, water, or liquid resistant. Should the camera get wet from rain, splashing water, or any other liquid, wipe it off immediately with a dry soft cloth.
- Be careful not to subject the camera to strong vibrations, shock or pressure. Use a cushion to protect the camera when carrying it in a motorcycle, car, boat, etc.
- Condensation on the interior the exterior of the camera may be extremely harmful to the camera mechanism as it may cause rust. Furthermore, if the camera is taken from warm temperature to a subfreezing one or vice versa, the formation of icelets may cause damage. In such a case, put the camera into a case or plastic bag so that any changes in temperature difference is minimized. Do not remove it from the bag until temperature has stabilized.

Precautions for storage
- Avoid leaving the camera for extended periods in places where temperature and humidity are high such as in a car.
- Do not store the camera in a closet with mothballs or in a case where chemicals are handled. Store it in a place with good air circulation to prevent fungus growth.

Precautions for proper care
- Use a blower and lens brush to remove dust accumulated on the lens or the viewfinder window.
- Never use solvents such as paint thinner, alcohol or benzene to clean the camera. To clean the external camera surfaces - but not glass surfaces - the use of a dry or silicone-treated cloth is recommended.

E

Other precautions

· The temperature range at which this camera functions properly is 50°C to −10°C (122°F to 14°F).
· To maintain optimum performance, it is recommended that the camera be inspected every one or two years. If the camera has not been used for an extended period, or is being prepared for an important photographic session, it is recommended that you have the camera inspected or test shoot with it.
· The PENTAX warranty provided only for the repair of defects in materials or workmanship. Damage of any kind cannot be repaired at no charge under the term of the warranty. If the difficulty is caused as a direct result of the product being used in conditions contrary to the instructions outlined in this manual, charges will be assessed or a repair quotation will be provided.

LCD (Liquid-crystal display)

· When the LCD is exposed to high temperatures over about 60°C, it may blacken, but when the temperature normalizes, it will return to normal.
· The LCD may also slow down in response to lower temperatures, but this is a normal characteristic of an LCD.

PRECAUTIONS FOR BATTERY USAGE

· Use one 3V lithium battery, type CR-2 or the equivalent.
· Misuse of a battery can cause hazards such as leakage, overheating, explosions, etc.
· The battery should be inserted with the "+" and "−" sides facing correctly.
· Never try to disassemble, short or recharge the battery. Also do not dispose of the battery in a fire, as it may explode.
· Battery performance may be temporarily hindered in low temperatures, but will recover in normal temperatures.
· Keep a spare battery on hand for replacement convenience when shooting outdoors or while traveling.

ADVANCED PHOTO SYSTEM FEATURES

Film Cartridge
· The visual exposure indicators on the top of the film cartridge show the film status.
· A film cartridge with ⊗, or □ visual film indicator cannot be used in this camera.

1 ○ Unexposed
2 D Partially exposed
3 ⊗ Exposed
4 □ Processed
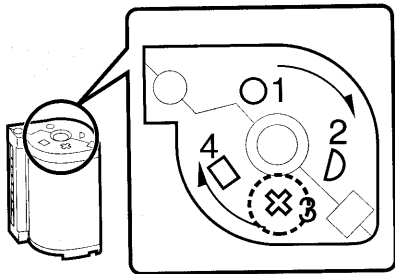
· Use IX240 type film designed for use in Advanced Photo System cameras. 135mm (35mm) film cannot be used.
· The film cartridge can be loaded as simply as installing battery.

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Printing Size

- With an Advanced Photo System Camera three picture sizes can be selected: C-type, H-type, and P-type. The picture size is recorded as magnetic data on the film, so no matter what type of picture size is selected, the exposure size is the same at approximately 17 × 30mm.
- Three print types are available. It is possible to switch the print type in the mid-roll of the film.

H-Type

C-Type

P-Type
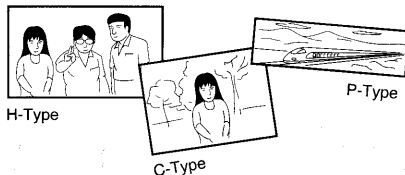
Film processing

- For best results, we recommend you to take your film cartridge to a certified Advanced Photo System processing lab displaying this symbol.
- Your processing lab may not develop IX240 films. Consult them for details of their services.
- After developing, your pictures, an index print, and the film cartridge with the negatives inside will be returned to you.

ADVANCED
PHOTO SYSTEM ™

- When ordering reprints, match the ID on the back of the print or on the index print with the ID on the film cartridge and specify which prints you want reprinted.
- You can select a title from thirty-one different types and twelve languages and imprint it on the back of the print. Some processing labs may not imprint the titles in all of the available languages. If you desire to imprint it on the front of the picture, consult your processing lab.
- You can imprint the date and time on the back of the print. If you desire to imprint it on the front of the picture, consult your processing lab.

ID number
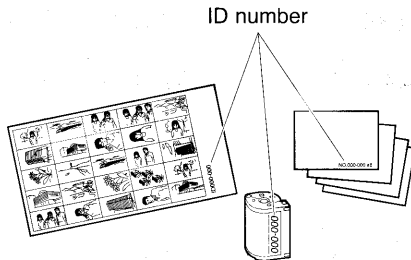
MRC (Mid-roll change) function
- With this camera it is possible to load a partially exposed film cartridge that has been rewound. When the rewound film is reloaded, the camera will automatically advance the film to the first unexposed frame and the rest of the film can then be used.

PQI (Print Quality Improvement) function
- When taking a picture, information about lighting and exposure conditions are recorded on the film to assist the processing lab with color correction and exposure adjustments, providing you with the best possible results.

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ABOUT THE CAMERA

STRAP ATTACHMENT

Fit the strap on the camera as illustrated. (Fig.1)

- Use the illustrated part for pushing the mid-roll rewind button to rewind a film before exposing all the frames.

INSTALLING/REPLACING BATTERY

Ensure that the power is off before replacing the battery.

1 **Open the battery chamber cover as shown in the illustration. (Fig.2-1)**
2 **Insert one lithium battery with the plus/minus (+/–) sides matching the indications in the battery chamber. (Fig. 2-2)**
3 **Close the battery chamber cover. Ensure that the cover is locked securely. (Fig. 2-3)**

Notes on replacing the battery:
- When the battery is replaced or removed, the time is initialized to 0 00. See page 35 for correcting the time.
- The date, title and number of exposed frames are memorized and unchanged even if the battery is replaced or removed.
- Use one 3V lithium battery (CR-2 or equivalent).

BATTERY EXHAUSTION WARNING

When the battery is nearly exhausted, the battery symbol (⊂▬) appears on the LCD panel to warn you. Replace the battery as soon as possible. When (⊂▬) starts blinking, no operations can be performed. **(Fig.3)**

Battery life (using 25-exposure film rolls):
Approx. 10 rolls using flash 50% of the time (using the CR-2 battery and under Pentax testing conditions). Actual battery life/performance may vary drastically depending on usage of Power Zoom, Flash and external conditions such as temperature and freshness of the battery.

MAIN SWITCH

To switch on, set the mode dial to any position other than OFF. (Fig.4)

• For normal use, set the mode dial to either (AUTO) or (AUTO ⊚). See page 28 for more details.
• When the power turns ON, the lens slightly extends and the lens cover opens.
• If the camera is ON and left unused for over 3 minutes, the lens automatically retracts to the shortest focal length.
• See page 20 when the battery exhaustion symbol (⎓) appears on the LCD panel.

• When the camera-to- subject distance is less than 1.2m, type P print set is not recommended due to a substantial difference between what you see through the viewfinder versus the image you will obtain the final print.

VIEWFINDER DISPLAYS
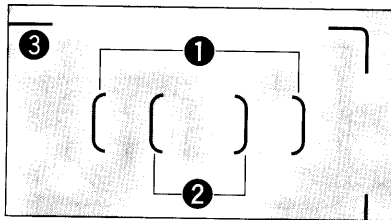
❶ Autofocus frame
Focus on the subject with this frame.

❷ Spot AF Frame
Select the Spot AF Frame to focus on particular spot in the frame.

❸ Close distance compensation frame
When the camera-to-subject distance is closer than 1.2m, compose the scene within this frame.

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LAMP INDICATIONS
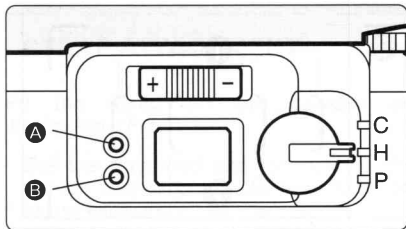
When you depress the shutter release button halfway down, the lamp Ⓐ and/or Ⓑ lights up or blinks.

ⒶGreen lamp (Focus status):
When the subject is in focus, it will light up to indicate that you can take the picture; when the subject is not in focus, it will blink, indicating that the camera-to-subject distance is too close or the subject is hard to autofocus.

ⒷRed lamp (Flash status):
When the flash is ready to discharge, it will light up. When the flash is being charged, it will blink.

SELECTING THE PRINT TYPE

Three types of prints are chosen in this camera. The type of print can be switched at any time.
Turn the print type selection lever to select the desired print type. (Fig.5)

Type C print
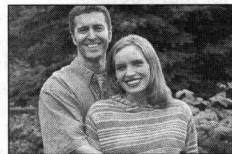
Type H print

Type P print

LOADING THE FILM CARTRIDGE

1 **Move the film cartridge chamber lever as illustrated to open the film cartridge chamber cover. (Fig.6-1)**
2 **Load a new film cartridge as illustrated. (Fig.6-2)**
3 **After the film cartridge chamber cover is closed, the film automatically advances to the first frame. (Fig.6-3)**
4 **(I) appears in the exposure counter on the LCD panel, the film automatically stops winding. (Fig.6-4)**

· Do not open the film cartridge chamber cover while the film is in mid-roll. Doing so may cause light leakage.
· To confirm the film speed and type of film cartridge after closing the film cartridge chamber cover, depress the Title/Language selection button (✎/).

· A film cartridge with the ⊗ , or □ indicator cannot be used in this camera. If such a film is loaded, (E) blinks on the LCD panel.

Notes:
· When the film cartridge with the ⊗ or □ indicator is loaded, (E) blinks on the LCD panel.
· After closing the film cartridge chamber cover, the ISO film speed, maximum number of frames and type of film will appear on the LCD panel until first frame is set. Refer to the table below for the indications on the LCD panel.

Color	Negative	Positive	Black & White	Other
Type of Film	Cn	Cr	bI	Ot
ISO film speed (e.g. ISO 100)		IOO ISO		

- Your processing lab may not develop IX240 films, consult them for details of their services.
- Use an IX240 type film in this camera. A 135 (35mm) film cannot be used.
- Do not place film cartridges near sources of the strong magnetic fields.

Automatic film speed setting
When a film cartridge is loaded, the proper film speed is automatically set for the camera.

- A film ISO rating from 25 - 10000 is usable.
- A film with ISO 400 film speed is recommended to get less image blur and to cover more photographic situations.

REMOVING THE FILM CARTRIDGE

1 **After you have exposed the last frame of the roll, the film rewinds automatically. Then, (Ω) blinks on the LCD panel to indicate that the film has been rewound.**
2 **Open the film cartridge chamber by turn the film cartridge chamber release lever to the left. (Fig.6-1)**
3 **The visual film indicator indicates ⊗ (exposed). (Fig.7)**

- A 25-exposure roll of film takes about 30 seconds to be rewound.
- During rewinding, the exposure counter counts frame numbers in reverse.
- The film cartridge with partially exposed $\mathcal{D}$ cannot be removed.

Rewinding a film in mid-roll

- If you wish to remove a film cartridge before exposing all the frames, follow steps 1 - 2.

1 **Depress the mid-roll rewind button (Q≞) with the knob on the strap (illustrated part page 2). The film rewinding starts. (Fig.8)**
2 **When rewind is completed, the motor stops. (0) blinks, indicating that the film cartridge may be removed safely.**

- After rewinding the film in mid-roll, the film indicator indicates (D).
- When the partially exposed film is loaded, the camera automatically advances the film to the unexposed film part, and the original exposure counter appears on the LCD panel.

Note:
Do not depress the button with an object having a sharp tip.

HOLDING THE CAMERA (Fig.9)

Keep the camera as still as possible, and gently depress the shutter release button. (If too much force is applied, the camera is likely to shake, and the picture will be blurred.) Try to brace your elbows against a stable, stationary object such as a wall.

Notes:
- Do not hold the zoom lens because it moves back and forth while in operation.
- Make sure not to obstruct the autofocus window, lens, light sensor window or the built-in flash with your fingers, hair or other object.
- When using the flash with the camera positioned vertically, hold the camera so that the flash is above the lens.

DIOPTER ADJUSTMENT

Aim the camera towards a bright subject. While looking through the viewfinder, move the diopter adjustment lever the right or left until the AF frame appears in the sharpest focus. **(Fig.10)**

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TAKING PHOTOGRAPH

OPERATING 23-69mm ZOOM LENS

When you move the zoom lever to the right ($\blacktriangledown$), the lens moves towards the 69mm setting and frames the subject more closely.

When you move the zoom lever to the left ($\blacktriangledown\blacktriangledown\blacktriangledown$), the lens moves towards the 23mm setting. When the lens zooms to the desired setting, release the zoom lever and depress the shutter release button fully to take pictures. **(Fig.11)**

- Do not apply force to the zoom lens as doing so causes damage to the camera.
- The shutter cannot be released while the lens is zooming.
- The film size of this camera differs from that of conventional 35mm cameras. The focal length differs even if the field of view is the same. To calculate the foal length of the camera, multiply the 35mm camera focal length by 0.8.

1 **Composing the scene**
 Set the mode dial to (AUTO). Focus on the subject with the autofocus frame. (Fig.12-1)
2 **Checking the lamp indication**
 Depress the shutter release button halfway down. When the subject is in focus, the green lamp will light up. (Fig.12-2)
- If you wish to focus on another subject, lift your finger from the shutter release button and depress the shutter button halfway down again.
3 **Depress the shutter release button fully. The shutter will be released.**

Notes:
- Confirm that the green lamp will light up. The green lamp blinks when the subject is too close.
- The shooting range (effective camera-to-subject distance) of this camera is from 0.65m (2.1ft) to ∞ (infinity).
- You can release the shutter even if the green lamp is blinking. But the picture will not be focused properly.

• If the autofocus window is dirty, the autofocus may not function properly.

Automatic Flash Emission
When taking pictures in low light, the flash will automatically discharge. When the shutter release button is depressed halfway down in low light, the red lamp will light up, indicating the flash is ready to discharge.

• If the red lamp blinks, this indicates that the built-in flash is being charged and the shutter cannot be released.

Flash effective ranges (Negative-color film used)

ISO Lens	100	200	400
23mm	0.65 - 2.5m (2.15 - 8.2ft)	0.65 - 3.6m (2.15 - 12ft)	0.65 - 5.1m (2.15 - 17ft)
69mm	0.65 - 1.4m (2.15 - 4.6ft)	0.65 - 2.0m (2.15 - 6.55ft)	0.65 - 2.9m (2.15-9.5ft)

Focus aid illuminator
In low light situation and/or hard-to-autofocus subjects, the red light is automatically projected to assist the autofocus system when the shutter release button is depressed halfway down.

FOCUS-LOCK SHOOTING

E

If you shoot without positioning the autofocus frame ([ ]) on the main subject, only the background will be in focus. When the main subject is off the autofocus frame in the center of the viewfinder, use the focus-lock technique. (Focus lock is the function to lock focus.)

1 **Focus on the subject with the autofocus frame ([ ]). (Fig.13-1)**
2 **When the shutter release button is depressed halfway down, the green lamp lights up and the exposure and focus are temporarily locked. (Fig.13-2)**
3 **While depressing the shutter release button halfway, re-aim the camera or recompose the picture, then release the shutter by depressing the button all the way. (Fig.13-3)**

• You can release focus lock simply by lifting your finger from the shutter release button.

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HARD-TO-AUTOFOCUS SUBJECTS

a) Extremely low-contrast subjects such as a white wall or blue sky in the autofocus frame.
b) Subjects which don't reflect much light in the autofocus frame.
c) Fast moving subjects.
d) Subjects with horizontal lines or complex or detailed patterns in the autofocus frame.
e) Multiple subjects in foreground of the autofocus frame.
f) Subjects positioned against reflected or strong backlight or with extremely bright background.

HOW TO SELECT EXPOSURE MODES
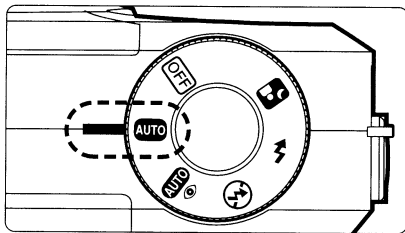
To set various exposure modes, turn the mode dial.

• For normal use, set the mode dial to the auto position.

Auto Exposure	Auto Exposure	Slow-shutter-Speed (Flash OFF)	Daylight-Sync Exposure	Slow-shutter-speed (Flash ON)	Power OFF
	Red-eye reduction			Red-eye reduction	

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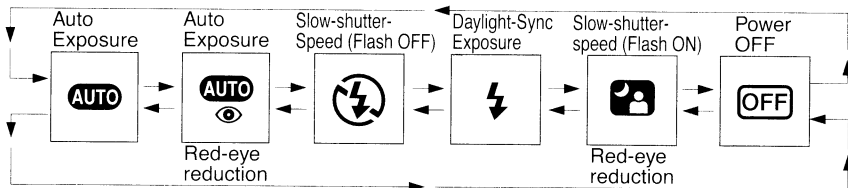
AUTO EXPOSURE MODE

Auto exposure mode without red-eye reduction function
In low light or backlit conditions, the flash is discharged automatically.

Set the mode dial to (AUTO). (Fig.14)
In this mode, the flash is discharged but the red-eye reduction does not operate.
See page 27 for the flash effective ranges.

Auto exposure mode with red-eye reduction function
In low light or backlit conditions, the flash is discharged automatically.

Set the mode dial to (AUTO ◉). (Fig.15)
(◉) appears on the LCD panel.
In this mode, the red-eye reduction function always operates.

Red-Eye Reduction Function
To reduce the red-eye phenomenon in the picture, use this function. With this function used, the flash discharges two consecutive times to reduce the appearance of the red-eye effect.

SLOW SHUTTER SPEED (FLASH-OFF)

In this mode, the flash does not discharge. Use it in places where flash photography is prohibited, such as in theaters and museums. Furthermore, this mode is also useful for a natural existing light effect in low ambient photography.

Set the mode dial to (⚡). (⚡) appears on the LCD panel. (Fig.16)
When shooting in low light, use of a tripod is recommended.

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DAYLIGHT-SYNC SHOOTING

When a portrait is taken with the subject in a backlight situation, the front of the subject may be cast in shadow. In such a case, use this mode (Flash-ON mode).
This will ensure that the picture is well exposed without any shadow. In this mode, the flash will always discharge. The red-eye reduction does not function.

Set the mode dial to (⚡). (⚡) appears on the LCD panel. (Fig.17)
See page 27 for the flash -effective range.

SLOW SHUTTER SPEEDS MODES

Slow-Speed-Sync Shooting (Flash-On)
It is possible to photograph subjects and background in a balanced way by using the built-in flash to properly expose the foreground subject and a slow -speed to expose the low light background.

Set the mode dial to (🏙). The (◉) and (⚡) appear on the LCD panel. (Fig.18)

Note:
· When shooting in low light, the shutter speed gets slower. Use of a tripod is recommended.
· Make sure that you are within the flash-effective range even when you use the built-in flash as a fill-in flash In day light.

HOW TO SELECT SHOOTING MODES

To set various shooting modes, depress the drive button (⟳ 🎚▲ SPOT AF). (Fig.19)

| Single-Frame Shooting | Self-Timer Shooting | Remote Control Shooting | Infinity-Landscape Shooting | AF Spot Shooting |
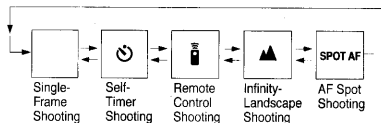
· For normal use, set the Single-Frame Shooting Mode. When the mode dial is set to the OFF position, the Single-Frame Shooting Mode is returned.

SELF-TIMER PHOTOGRAPHY

Self-timer
Use the self-timer if you wish to get in the picture. Use of a tripod is recommended.

1 Depress the drive button until (☉) appears on the LCD panel. (Fig.19-1)
2 Focus on the subjects first by depressing the shutter release button halfway and then depress the shutter button fully. (Fig.19-2)
3 The shutter will be released in about 10 seconds. When the self-timer is working, the Self-timer symbol (☉) blinks on the LCD panel, and the Self-timer lamp blinks 3 seconds before the shutter is released.

How to cancel
To cancel the self-timer at any time after its been activated, depress any of the buttons next to the LCD panel.

Notes on the self-timer shooting
· Do not stand in front of the camera when starting the self-timer, as the camera will focus on you, not the main subject. Be sure that you are behind, or next to the camera.
· When you want to use the flash with the self-timer, ensure that the red lamp is lit before starting the self-timer.

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USING WIRELESS REMOTE CONTROL (OPTION)

If you have purchased the optional wireless remote control, read this section.

The wireless remote control allows you to trip the shutter from a distance. The shutter will be released 3 seconds after the shutter release button on the remote control is depressed.

· Use a tripod when shooting with the wireless remote control.
· When the remote control is used to take pictures, the Self- Timer Shooting Mode and the Infinity- Landscape Mode cannot be used.

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1 Depress the camera's drive button repeatedly until (🔲) appears on the LCD panel. (Fig.20-1)
2 Aim the remote control transmitter towards the remote control receiver on the camera, and then depress the shutter release button on the remote control fully to release the shutter. (Fig.20-2)

· When the camera is set in the Remote Control Shooting Mode and left unused for 5 minutes, the lens automatically retracts to the shortest focal length.
· The self-timer lamp blinks rapidly for 3 seconds and then the shutter is released. Focus cannot be locked when the remote control is in use.
· Focus cannot be locked when the remote control is in use. The subject framed in the AF frame will be in focus when the remote control's shutter release button is depressed.

Operating distance of the wireless remote control is up to approx. 4m when used directly in front of the camera.

· The remote control may not work in a backlight situation. In this case, use the camera's shutter release button in the Self-Timer Mode to take pictures.
· The remote control does not work while the flash is being charged.

Battery life on the Remote Control
About 30,000 commands can be issued. If the battery is exhausted, please have it replaced at your local Pentax Service center (there is a charge for this service).

INFINITY-LANDSCAPE SHOOTING

Use the Infinity-Landscape Mode to lock the focus at infinity or to take a picture of a distant scene through a window.

Depress the drive button until (▲▲) appears on the LCD panel. (Fig.21)

- After the picture is taken by fully depressing the shutter release button, this mode is canceled.
- When the mode dial is set to (AUTO) or (AUTO ⊚), the flash will not discharge even in dark light situations.

SPOT FOCUS

Select the Spot AF Mode to focus on a particular spot in the frame.

1 **Depress the drive button so that the [SPOT AF] appears on the LCD panel. (Fig.22-1)**
2 **Focus on the subject**
Focus on the subject with the Spot AF frame ([ ]) in the center of the viewfinder. (Fig.22-2)

IMPRINT THE DATA INFORMATION

E
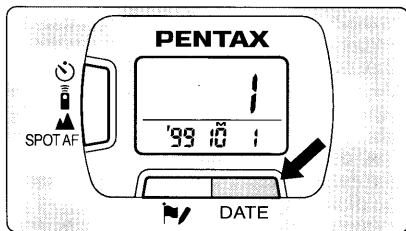
Your camera has an automatic calendar through the year 2030.
You should set the correct date and time when you first use your camera or if you travel to a different time zone.

Switching the Mode
Press the DATE button with your finger, the mode on the LCD panel switches as shown in the chart.

```
Year Month Day ←┐
       ↓         │
  Hour Minute    │
       ↓         │
 -- -- -- (blank)│
       ↓         │
 Month Day Year  │
       ↓         │
  Day Month Year ┘
```
33
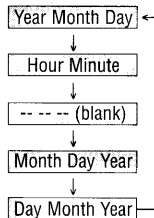
Notes:
- If the mode dial is set to OFF, the data cannot be switched.
- Year 2000 will be imprinted (00) on pictures.
- The data on the LCD panel is magnetically recorded on the film and is imprinted on a picture at the processing lab.
- The data is imprinted on the back of picture. Some processing labs can imprint the data on the front of picture.
- Imprinting position, character size, and color may vary depending on the processing lab you use. Ask your processing lab for available services.
- If you are not desire to imprint the data, depress the DATE button until (-------) appears on the LCD panel.
- The data can also be recorded even if the language number and title number are displayed on the LCD panel. The data can be confirmed by pressing the DATE button.
- "M" on the LCD panel indicates "Month".
- If (🏴) and data appear on the LCD panel, both title and data can be imprinted at the same time.

CORRECTING THE DATA

Switch the power on.

1 Depress the DATE button for 3 seconds, the "Year" digits and (⮌) will blink on the LCD panel.
2 Each time the DATE button is depressed, the blinking digits changes in the following manner:

Year - Month - Day - Hour - Minutes

Stop depressing the button when desired digits appear.

3 Move the zoom lever to the right or left, when you wish to change the blinking digits. The digits increase by one each time the zoom lever moves to the right. The digits decreases by one each time the zoom lever moves to the left. Holding the zoom lever for about one second will change the digits continuously.
4 After the data has been adjusted, depress the DATE button repeatedly until blinking stops.

- The blinking "minutes" allows precise fine-tuning of the internal clock to the beginning of a specified minute. To do so, when "minutes digits" are blinking, depress the DATE button in sync with a time signal.
- If you release the shutter while the blinking data is being corrected, the data cannot be recorded.
- When the battery is replaced, the time is initialized to 0 00 and no imprinting signs (-------) are automatically set. Be sure to reset the time after the battery is replaced.
- "Year - Month - Day" and "Hour - Minute" cannot be imprinted at the same time.

IMPRINTING TITLES
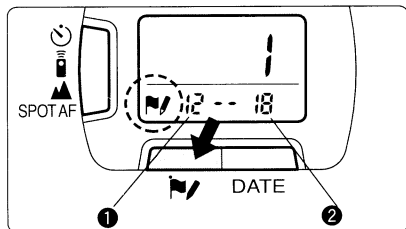
1 Language number
2 Title number

You can select a title from thirty-one different types and twelve languages and imprint it on your pictures.

Depress the Title/Language selection button until (🏴) appears on the LCD panel. If (🏴) is not displayed on the LCD panel, the title will not be imprinted.

- If (🏴) is displayed on the LCD panel, the title will be imprinted even if the data is displayed on the LCD panel. To confirm the language and title, depress the Title/Language selection button (🏴).

- If the language number 7 is set, the title will not be imprinted.
- Upon delivery from the factory, the language number 12 (British English) and title number (18 Congratulations) are set.

SELECTING THE LANGUAGE AND TITLE

1 **Keep depressing the Title/Language selection button with your finger for 2 seconds until the language number and zoom lever (⬌) blink on the LCD panel. (Fig.23-1)**
2 **Move the zoom lever to the left or right until your desired language number 1 to 13 appear on the LCD panel. (Fig.23-2)**
3 **Depress the Title/Language selection button again to stop the language number from blinking. The title number starts blinking. (Fig.23-3)**
4 **Move the zoom lever to the left or right until your desired title number 0 to 30 appears on the LCD panel. (Fig.23-4)**
5 **Depress the Title/Language selection button. (🏴) lights up on the LCD panel. At the same time, the title number stops blinking and zoom lever disappears from the LCD panel. (Fig.23-5)**

- The title imprinting mode is canceled and ( ) disappears from the LCD panel on each frame you take.
- To continuously imprint the title, depress the Title/Language selection button again until ( ) appears on the LCD panel.

Notes:
- If the mode dial is set to OFF, the title number cannot be changed.
- The title is magnetically recorded on the film and it will be printed on a picture at the processing lab.
- The title is imprinted on the back of picture. Some processing labs can imprint the title on the front of picture.
- The imprinting position, character size, and color may vary depending on the processing lab you use. Ask your processing lab for available services.
- If ( ) and data are displayed on the LCD panel, both title and data can be imprinted at the same time.

How to cancel the title imprinting mode
Set the mode dial to OFF. ( ) will disappear from the LCD panel. The data information is displayed on the LCD panel.

LIST OF AVAILABLE TITLES

British English language number : 12
American English language number : 13

The left figure indicates the language number while the right figure indicates the title number.

12-0 Christmas	12-8 Party	12-15 Thank You	12-23 New Year's
12-1 Birthday	12-9 Holiday	12-16 Season's Greeting	12-24 Easter
12-2 Vacation	12-10 Anniversary of Marriage	12-17 Happy Birthday	12-25 Happy New Year
12-3 Honeymoon	13-10 Anniversary	12-18 Congratulations	12-26 Reunion
12-4 Wedding	12-11 Friend	12-19 Merry Christmas	12-27 Father's day
12-5 Hanukkah	12-12 School Event	12-20 Festival	12-28 Mother's day
12-6 Graduation	12-13 Trip	12-21 First day of School	12-29 Memories
12-7 Family	12-14 I Love You	12-22 Tour	12-30 Baptis

SPECIFICATIONS

Type: ——— IX240 fully automatic lens-shutter with built-in zoom lens and auto flash

Film: ——— IX240 cartridge film with auto film speed setting ISO rating from 25-10000 (1/3EV step)

Picture format: ——— 16.7 x 30.2mm

Film loading: ——— One touch drop-in loading. Closing the film chamber cover will automatically wind the film to first exposure

Film winding: ——— Auto film winding (single-frame)

Film rewinding: ——— Auto film rewinding at the end of roll. Auto stop upon completion of rewinding.

Rewinding time: ——— approx. 30 sec. with 25-exposure film. Rewinding in mid-roll provided.

Frame number: ——— Automatic readout of successive frame numbers in ascending order when shooting, and descending order when rewinding.

Lens: ——— Pentax power zoom 23 – 69mm f/5.6 - 9.9 lens 6 elements in 5 groups, Angle of view: 76 – 31°

Focusing system: ——— Pentax phase-matching passive five-point autofocus system. Autofocusing range: 0.65m (2.1ft) - infinity, Maximum magnification: approx. 0.11X. Focus lock is provided. Infinity-landscape mode (focus is fixed to infinity)

Zooming: ——— Electronic zoom

Shutter: ——— Programmed AE electronic shutter with speed, approx. 1/400 - 2 sec. Electromagnetic release.

Self-timer: ——— Electronic lamp indication. Approx.10 sec. Cancellation after activation is possible

Viewfinder: ——— Actual image zoom viewfinder, Viewfinder area: 83% (H-type format), Magnification: 0.34X(23mm)- 1.04X(69mm), AF frame, Picture frame, Close distance compensation frame, Green lamp lighting: in-focus signal, Green lamp blinking: When subject is too close and/or hard-to-autofocus subject, Red lamp lighting: Flash-ready status, Red lamp blinking: Flash being charged

Exposure control:	Programmed auto-exposure control with multi- (2) metering system, Range: EV9 – EV17 at 23mm, EV13 – EV20 at 69mm in Auto or Daylight-Sync Mode (ISO 400), EV8 – EV16 at 23mm EV6 – EV20 at 69mm in Slow-Shutter-Speed Mode (ISO 400), Automatic exposure compensation in a backlit situation.
Flash:	Built-in flash with red-eye reduction mode, Automatic discharge in low lighting and backlighting situations in auto mode, Flash ON=Day-light Sync/Slow-Shutter- Speed Sync (up to 2 sec.).
Flash effective range:	23mm: 0.65m (2.1ft) - 5.1m (17ft), 69mm: 0.65m (2.1ft) - 2.9m (9.5ft) ISO 400 film used.
Flash recycling time:	Approx. 5 sec. under Pentax testing conditions
Power source:	One 3V lithium battery (CR-2 or the equivalent)
Battery life:	Approx. 10 rolls of 25 exposure film when 50% of shooting uses flash (under Pentax testing conditions)
Battery exhaustion warning:	(⊡) appears on the LCD panel, Shutter is locked when (⊡) is blinking
Imprinting function:	Crystal quartz controlled, LCD with digital clock, auto calendar up to 2030. Magnetic recording on the film. "Year, Month and Day", "Day, Hour and Minutes", "— — —blank", "Month, Day and Year" or "Day, Month and Year". 31 titles and 12 languages are possible to imprint
Size & Weight:	94.5(W) x 59.5(H) x 31.5(D)mm (3.7" x 2.3" x 1.2") 195g(6.9oz) without battery

REMOTE CONTROL (optional)

	Infrared wireless remote control, 3-seconds delay shutter release, Effective range: Closer than 4m when projected from the camera's front.
Power source:	One lithium battery CR1620 (replaced by Pentax service Remote control: facility)
Size & Weight :	22.0(W) x50.0(L) x9.5(D)mm (0.9" x2.0" x0.4"), 9g(0.3oz) including battery

SPECIFICATIONS ARE SUBJECT TO CHANGE AT ANY TIME WITHOUT NOTIFICATION OR ANY OBLIGATION ON THE PART OF THE MANUFACTURER.