SONY

Cyber-shot

▼CLICK!

Digital Still Camera

Cyber-shot Handbook

DSC-S800

Before operating the unit, please read this Handbook and *"Instruction Manual"* and *"Cyber-shot Step-up Guide"* thoroughly, and retain them for future reference.

"Step up Guide"

OSD

GB

Notes on using your camera

Types of "Memory Stick" that can be used (not supplied)

The IC recording medium used by this camera is a "Memory Stick Duo". There are two types of "Memory Stick".

"Memory Stick Duo": you can use a "Memory Stick Duo" with your camera.

"Memory Stick": you cannot use a "Memory Stick" with your camera.

Other memory cards cannot be used.

• For details on "Memory Stick Duo", see page 98.

When using a "Memory Stick Duo" with "Memory Stick" compatible equipment

You can use the "Memory Stick Duo" by inserting it into the Memory Stick Duo Adaptor (not supplied).

Memory Stick Duo Adaptor

Notes on the Nickel-Metal Hydride battery

• Charge both of the Ni-MH batteries (supplied) before using the camera for the first time.
• The batteries can be charged even if they are not completely discharged. Also, even if batteries are not fully charged, you can use the partially charged capacity of the batteries as is.
• If you do not intend to use the batteries for a long time, use up the existing charge and remove them from your camera, then store them in a cool, dry place. This is to maintain the batteries' functions (page 100).
• For details on the usable batteries, see page 100.

Notes on the LCD screen and lens

• The LCD screen is manufactured using extremely high-precision technology so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue or green in color) that constantly appear on the LCD screen. These points are normal in the manufacturing process and do not affect the recording in any way.
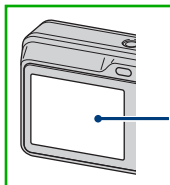
Black, white, red, blue or green points

• Exposing the LCD screen or the lens to direct sunlight for long periods may cause malfunctions. Be careful when placing the camera near a window or outdoors.
• Do not press against the LCD screen. The screen may be discolored and that may cause a malfunction.
• Images may trail across on the LCD screen in a cold location. This is not a malfunction.
• This camera is equipped with a power zoom lens. Be careful not to bump the lens, and be careful not to apply force to it.

The pictures used in this Handbook

The photographs used as examples of pictures in this Handbook are reproduced images, and are not actual images shot using this camera.

[On illustrations]

Table of contents

Basic Operations

Using the menu

Using the Setup screen

Viewing images on a TV screen

Using your computer

Printing still images

Troubleshooting

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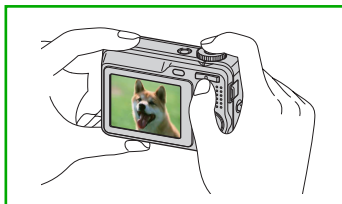[On the battery charger]
[On the batteries]

Basic techniques for better images

Focus   *Exposure*   *Color*   *Quality*

This section describes the basics so you can enjoy your camera. It tells you how to use various camera functions such as the mode dial (page 18), the menus (page 30), and so on.

Focus Focusing on a subject successfully

When you press the shutter button halfway down, the camera adjusts the focus automatically (Auto Focus). Remember to press the shutter button only halfway down.

Press the shutter button fully down suddenly.

Press the shutter button halfway down.

AE/AF lock indicator flashing ➡ lit/beeps

Then press the shutter button fully down.
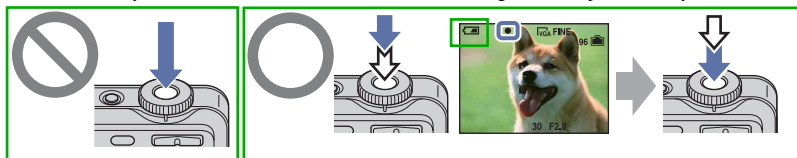
If the image looks blurred even after focusing, it may be because of camera shake. → See "Hints for preventing blur" (as follows).

Hints for preventing blur

Hold the camera steady, keeping your arms at your side. It is recommended to lean against a tree or a building nearby to steady yourself. Shooting with a 2-second delay self-timer or using a tripod is also effective. Use the flash when you shoot under a low light condition.
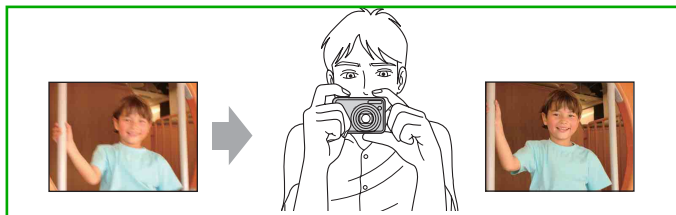
Exposure *Adjusting the light intensity*

You can create various images by adjusting the exposure and the ISO sensitivity. Exposure is the amount of light that the camera will receive when you release the shutter.

Exposure:

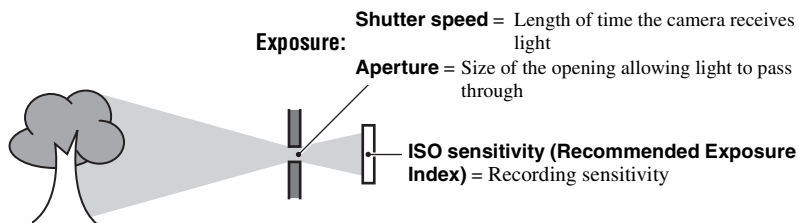**Shutter speed** = Length of time the camera receives light

Aperture = Size of the opening allowing light to pass through

ISO sensitivity (Recommended Exposure Index) = Recording sensitivity

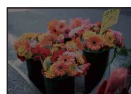**Overexposure**
= too much light
Whitish image

The exposure is automatically set to the proper value in the auto adjustment mode. However, you can adjust it manually using the functions below.

Correct exposure

Adjusting EV:
Allows you to adjust the exposure determined by the camera (page 23).

Underexposure
= too little light
Darker image

Metering Mode:
Allows you to change the part of the subject to be measured to determine the exposure (page 33).

Adjusting the ISO sensitivity (Recommended Exposure Index)

ISO sensitivity is measurement, estimating how much light an image pickup device receives.
Even when the exposure is the same, images differ depending on the ISO sensitivity.
To adjust the ISO sensitivity, see page 35.

High ISO sensitivity
Records a bright image even when shooting in a dark location.
However, the image tends to become noisy.

Low ISO sensitivity
Records a smoother image.
However, when the exposure is insufficient, the image may become darker.

Color   *On the effects of lighting*

The apparent color of the subject is affected by the lighting conditions.

Example: The color of an image affected by light sources

| Weather/lighting	Daylight	Cloudy	Fluorescent	Incandescent
Characteristics of light	White (standard)	Bluish	Greenish	Reddish

The color tones are adjusted automatically in the auto adjustment mode.
However, you can adjust color tones manually with [White Bal] (page 34).

8

Quality *On "image quality" and "image size"*

A digital image is made up of a collection of small dots called pixels.
If it contains a large number of pixels, the picture becomes large, it takes up more memory, and the image is displayed in fine detail. "Image size" is shown by the number of pixels. Although you cannot see the differences on the screen of the camera, the fine detail and data processing time differ when the image is printed or displayed on a computer screen.

Description of the pixels and the image size

[8M]

3264

640

Pixels

2448

480
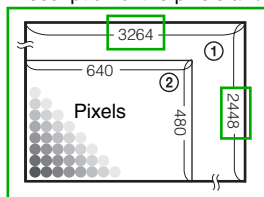
① Image size: 8M
   3264 pixels × 2448 pixels = 7,990,272 pixels

② Image size: VGA(E-Mail)
   640 pixels × 480 pixels = 307,200 pixels

Selecting the image size for use (page 24)

Pixel

Many pixels (Fine image quality and large file size)

Example: Printing in up to A3 size

Few pixels (Rough image quality but small file size)

Example: An attached image to be sent by e-mail

Selecting the image quality (compression ratio) in combination (page 36)

You can select the compression ratio when digital images are saved. When you select a high compression ratio, the image lacks the fineness of detail, but has a smaller file size.
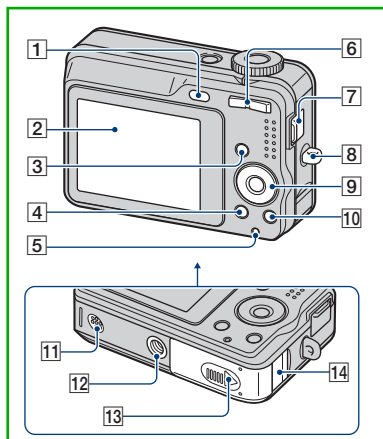
Identifying parts

See the pages in parentheses for details of operation.
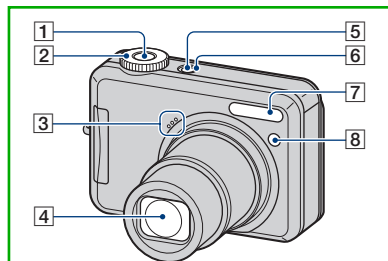
1 Shutter button (19)

2 Mode dial (19)

3 Microphone

4 Lens

5 POWER button

6 POWER lamp

7 Flash (21)

8 Self-timer lamp (22)/AF illuminator (48)

[AF illuminator]

1 ▶ (Playback) button (28)

2 LCD screen (16)

3 MENU button (30)
 • Press MENU longer to display the 🔧 (Setup) screen.

4 DISP button (16)
  • Press DISP longer to select the brightness of the LCD backlight.

5 Access lamp

6 For shooting: Zoom (W/T) button (20)
  For viewing: ⊖/⊕ (Playback zoom) button/▦ (Index) button (28, 29)

7 ⟵•⟶ (USB) · A/V OUT terminal (side)

8 Hook for wrist strap

9 Control button

  Menu on: ▲/▼/◀/▶/● (30)
  Menu off: ⚡/☉/☒/✿ (21-23)

10 ⏢ / 🗑 (Image Size/Delete) button (24, 28)

11 Speaker   [Speaker]

10

[12] Tripod receptacle (bottom)
  • Use a tripod with a screw length of less than 5.5 mm (7/32 inch). You will be unable to firmly secure the camera to tripods having screws longer than 5.5 mm (7/32 inch), and may damage the camera.

[13] Battery/"Memory Stick Duo" cover

[14] AC adaptor cord cover
When using an AC-LS5K AC Adaptor (not supplied)
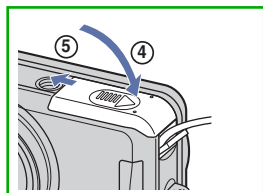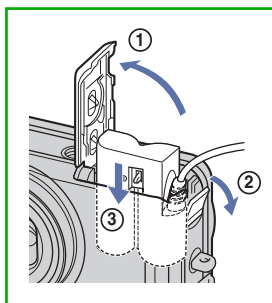
  • Do not pinch the cord when you close the cover.
  • You cannot charge the Nickel-Metal Hydride batteries by the AC-LS5K AC Adaptor. Use the battery charger to charge the Nickel-Metal Hydride batteries.
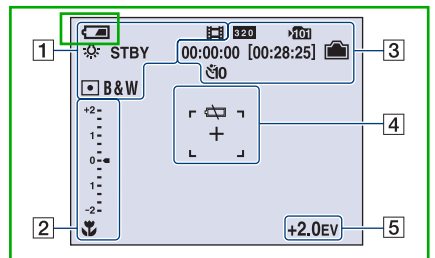
11

Indicators on the screen

[AF Illuminator]

See the pages in parentheses for details of operation.

When shooting still images

1
2
3
4
5

When shooting movies

1
2
3
4
5

[AF illuminator]

1
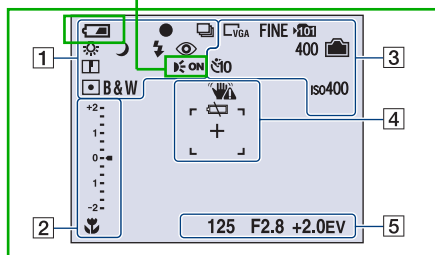
Display	Indication
▭	Battery remaining
●	AE/AF lock (19)
▣ ▤	Recording mode (19, 37)
⚡WB ☀ ▤ ☁ ☀	White balance (34)
STBY REC	Standby/Recording a movie
ISO ▣ ▲ ♪ ▤ ☎ ☰	Mode dial (Scene Selection) (25)
P	Mode dial (Program Auto) (18)
▢	Camera mode
⚡ ⚡SL ⊛	Flash mode (21)
⚡●	Flash charging
W▭▭T ✕1.3 ▣Q ⊡Q	Zoom scaling (20, 47)
◎	Red-eye reduction (48)
▥	Sharpness (38)
▸☉N	AF illuminator (48)
▣	Metering mode (33)
RICH NATURAL SEPIA B&W	Color mode (32)

2

Display	Indication
✿	Macro (21)
Image Brightness(EV) +2 1 0 -2 EV +2 1 0 -2	Exposure value scale bar (23) • The display is changed, depending on the position of the mode dial (shown left).
▼ Darker ▲ Brighter	Exposure value guide (23)

Indicators on the screen

8M

3

Display	Indication
☐8M ☐3:2 ☐5M ☐3M ☐2M ☐VGA ☐16:9 320	Image size (24)
FINE STD	Image quality (36)
101	Recording folder (51) • This does not appear when using internal memory.
📷	Remaining internal memory capacity
📱	Remaining "Memory Stick" capacity
00:00:00 [00:28:25]	Recording time [maximum recordable time]
400	Remaining number of recordable images
⏱10 ⏱2	Self-timer (22)
ISO400	ISO number (35)

4

Display	Indication
🖐⚠	Vibration warning • Indicates vibration may prevent you from shooting clear images due to insufficient lighting. Even if the vibration warning appears, you can still shoot images. However, we recommend that you use the flash for better lighting or using a tripod or other means to stabilize the camera (page 6).
🔋	Low battery warning (95)
+	Spot metering cross hair (33)
⌞ ⌝	AF range finder frame

5

Display	Indication
125	Shutter speed
F2.8	Aperture value
+2.0EV	Exposure Value (23)
COLOR ☐ WB ISO ⚡ Mode (not displayed on the screen on the previous page)	Menu (30)

13

8M

When playing back still images

1 [image with indicators]

3

4

2 101-0012   2007   1 1   9:30AM

◀▶BACK/NEXT   ⬍VOLUME

5
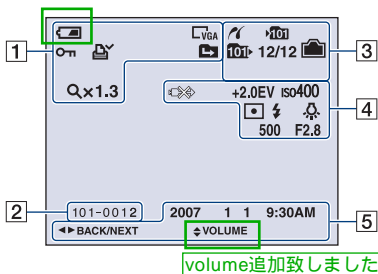
volume

When playing back movies

1 [image with indicators]

VOL. ▮▮▮▮▮▮

3

00:00:12

2

5

volume

1
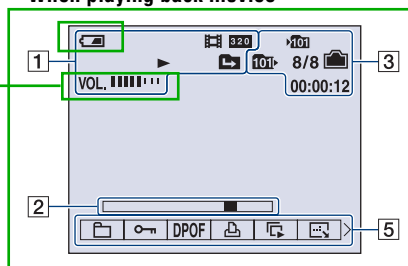
Display	Indication
🔋	Battery remaining
🎞	Recording mode (19)
8M 3:2 5M 3M 2M VGA 16:9 320	Image size (24)
▶	Playback mode
⊶	Protect (40)
🖆	Print order (DPOF) mark (83)
🔁 🔀 📑	Change folder (39) • This does not appear when using internal memory.
🔍×1.3	Zoom scaling (28)
▶	Playback (28)
VOL. ▮▮▮▮▮▮	Volume (28)

2

[Volume]

Display	Indication
101-0012	Folder-file number (39)
[playback bar]	Playback bar

14

③
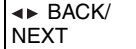
Display	Indication
🎦	PictBridge connecting (80)
🔳101	Recording folder (51) • This does not appear when using internal memory.
101▸	Playback folder (39) • This does not appear when using internal memory.
🗎	Remaining internal memory capacity
🔲	Remaining "Memory Stick" capacity
8/8 12/12	Image number/Number of images recorded in selected folder
00:00:12	Counter

④

Display	Indication
🔲※	PictBridge connecting (81) • Do not disconnect the dedicated USB cable while the icon is displayed.
+2.0EV	Exposure Value (23)
ɪꜱᴏ400	ISO number (35)
⏺	Metering mode (33)
⚡ ⚡	Flash
⚡WB ☀ 💡 ☁ ☀ ᴀᴡʙ	White balance (34)
500	Shutter speed
F2.8	Aperture value

⑤

Display	Indication
2007 1 1 9:30 AM	Recorded date/time of the playback image
⬛⬛⬛⬛⬛⬛⬛	Menu (30)
◂▸ BACK/ NEXT	Select images
◆ VOLUME	Adjust volume

[VOLUME]

15

Changing the screen display

DISP (Screen display switch) button

Each time you press the DISP button, the display changes as follows.

Indicators off
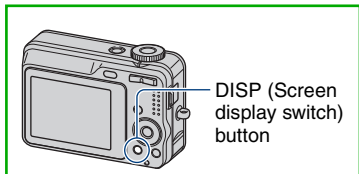
Indicators on

• By pressing DISP button longer, you can increase the LCD backlight.
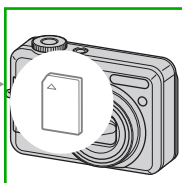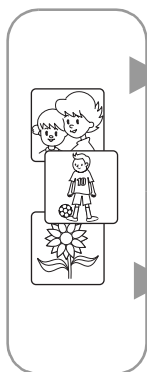
Using the internal memory

56MB

The camera has approximately 56 MB of internal memory. This memory is not removable. Even when there is no "Memory Stick Duo" inserted in the camera, you can record images using this internal memory.
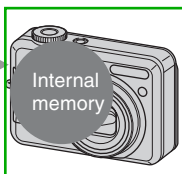
When a "Memory Stick Duo" is inserted

[Recording]: Images are recorded on the "Memory Stick Duo".

[Playback]: Images on the "Memory Stick Duo" are played back.

[Menu, Setup, etc.]: Various functions can be performed on images on the "Memory Stick Duo".

When there is no "Memory Stick Duo" inserted

[Recording]: Images are recorded using the internal memory.

[Playback]: Images stored in the internal memory are played back.

[Menu, Setup, etc.]: Various functions can be performed on images in the internal memory.

Internal memory

On image data stored in the internal memory

We recommend that you copy (back up) data without error using one of the following methods.

To copy (back up) data on a "Memory Stick Duo"

64MB

Prepare a "Memory Stick Duo" with a capacity of 64 MB or more, then perform the procedure explained in [Copy] (page 53).

### To copy (back up) data on a hard disk of your computer

Perform the procedure on pages 62 to 65 without a "Memory Stick Duo" inserted in the camera.

• You cannot copy image data on a "Memory Stick Duo" to the internal memory.
• By connecting the camera and a computer with a dedicated USB cable, you can copy data stored in the internal memory to a computer. However you cannot copy data on a computer to the internal memory.

Using the mode dial

Set the mode dial to the desired function.

Guide Mark
Set to the desired mode.

Mode dial

Control button

📽: **Shooting movies → page 19**
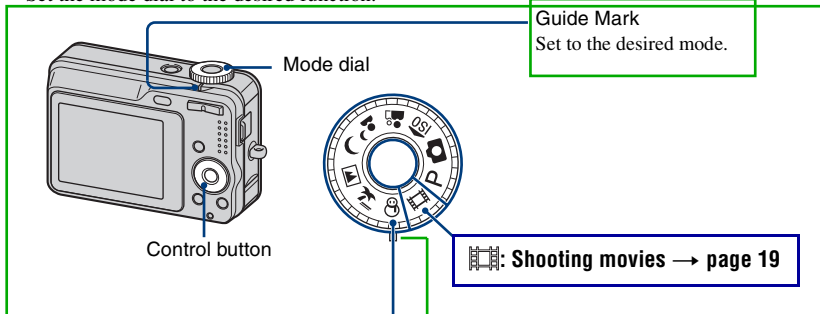
Still image shooting modes

📷 : **Auto Adjustment mode**

Allows easy shooting with the settings adjusted automatically. → page 19

P : **Program Auto mode**

Allows you to shoot with the exposure adjusted automatically (both the shutter speed and the aperture value). Also you can select various settings using the menu.
(For details on the functions available → page 31)

ISO 🏃 ☽ 🌙 🏔 🎆 🍴 : **Scene Selection mode**

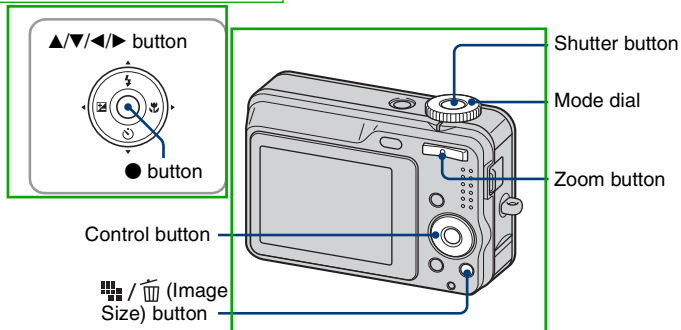Allows you to shoot with preset settings according to the scene. → page 25

On Function Guide

When you press the control button, the descriptions of functions are temporarily displayed (page 48).

Shooting images easily (Auto adjustment mode)

▲/▼/◀/▶ button

● button

Control button

🔳 / 🗑 (Image Size) button

Shutter button

Mode dial

Zoom button
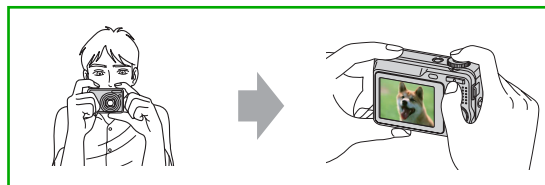
1 Select a mode with the mode dial.

Still image (auto adjustment mode): Select 📷.
Movie: Select 🎥.

2 Hold the camera steady, keeping your arm at your side.

Position the subject in the center of the focus frame.

3 Shoot with the shutter button.

Still image:

①Press and hold the shutter button halfway down to focus.

The ● (AE/AF lock) indicator (green) flashes, a beep sounds, the indicator stops flashing and remains lit.

②Press the shutter button fully down.

The shutter sounds.

AE/AF lock indicator

96

VGA FINE

30 F2.8

19
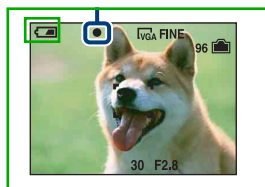
Movie:

Press the shutter button fully down.

To stop recording, press the shutter button fully down again.

If you shoot a still image of a subject that is difficult to focus on

• The shortest shooting distance is approx. 50 cm (19 3/4 inches). Shoot in the close-up (Macro) mode (page 21) when you shoot a subject closer than the shooting distance.

• When the camera cannot focus on the subject automatically, the AE/AF lock indicator changes to flashing slowly and the beep does not sound. Recompose the shot and focus again.

Subjects difficult to focus on are:

– Distant from the camera and dark
– The contrast between the subject and its background is poor.
– Seen through glass
– Moving fast
– Reflective light or with a lustrous finish
– Flashing
– Backlit

⊕⊖ Using the zoom

Press the zoom button. | [6x] |

• When the zoom scale exceeds 6×, the camera uses the Digital Zoom function.
For details on the [Digital Zoom] settings and the image quality, see page 47.

• You cannot change the zoom scale while shooting a movie.

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⚡Flash (Selecting a flash mode for still images)

Press ▲ (⚡) on the control button repeatedly until the desired mode is selected.

(No indicator): Flash Auto

> Strobes when there is insufficient light (default setting)

⚡: Flash forced on

⚡SL: Slow synchro (Flash forced on)

> The shutter speed is slow in a dark place to clearly shoot the background that is out of flash light.

⚡: Flash forced off

• The flash strobes twice. The first time is to adjust the light quantity.
• While charging the flash, ⚡◼ is displayed.

🌷Macro (Shooting close-up)

Press ▶ (🌷) on the control button.
To cancel, press ▶ again.

(No indicator): Macro Off

🌷: Macro On (W side: Approx. 2 cm or farther (13/16 inches or farther), T side: Approx. 70 cm or farther (27 5/8 inches or farther))

Macro

• Setting the zoom all the way to the W side is recommended.
• The in-focus range becomes narrow, and the complete subject may not entirely be in focus.
• The Auto Focus speed drops.

↺ Using the self-timer

Press ▼ (↺) on the control button repeatedly until the desired mode is selected.

(No indicator): Not using the self-timer
↺10 : Setting the 10-second delay self-timer
↺2: Setting the 2-second delay self-timer

Press the shutter button, the self-timer lamp flashes, and a beep sounds until the shutter operates.
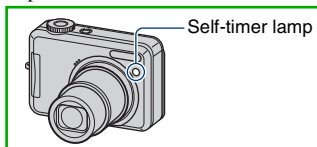
Self-timer lamp

To cancel, press ▼ again.

• Use the 2-second delay self-timer to prevent blur of an image made by the shaking of the camera when pressing the shutter button.

22

⊠ EV (Adjusting the exposure manually)

Press ◄ (⊠) on the control button, then press ▲ (Brighter)/▼ (Darker) to adjust.
To turn off the bar displayed, press the ◄ button again.
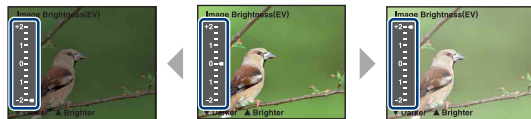
Toward –   Toward +

- For details on the exposure, see page 7.
- The compensation value can be set in 1/3EV increments.
- If a subject is being shot in extremely bright or dark conditions, or the flash is used, the exposure adjustment may not be effective.

Basic Operations

23

Shooting images easily (Auto adjustment mode)

[8M]

📷 / 🗑 To change the still image size

Press 📷 / 🗑 (Image Size), and then press ▲/▼ to select the size.
For details on the image size, see page 9.
The default settings are marked with ✅.

	Image size	Guidelines	No. of images	Printing
✅	8M (3264×2448)	Up to A3/11×17" print	Less	Fine
	3:2[1] (3072×2048)	Match 3:2 Aspect Ratio	⬆⬇	⬆
	5M (2592×1944)	Up to A4/8×10" print		
	3M (2048×1536)	Up to 13×18cm /5×7" print		
	2M (1632×1224)	Up to 10×15cm /4×6" print		
	VGA (640×480)	For E-mail	More	Rough
	16:9[2] (1920×1080)	Display On 16:9 HDTV[3]		

1) Images are recorded in 3:2 aspect ratio, same as photograph printing paper or postcards, etc.

2) Both edges of the image may be cut off when printing (page 92).

3) By using a Memory Stick slot or USB connection, you can enjoy images in higher quality.

Shooting still images (Scene selection)

Shutter button
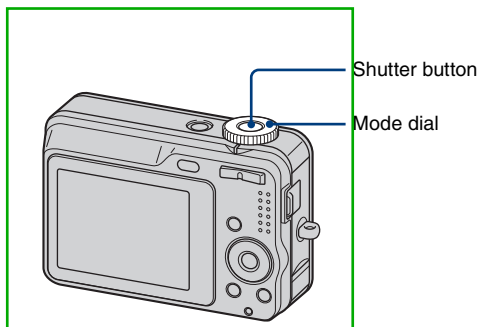
Mode dial

1 **Select the desired mode of Scene Selection (ISO, 👥, 👤, 🌙, 🏔, 🏖, 🐚).**

• For details on modes, see the next page.

2 **Shoot with the shutter button.**

To cancel the Scene Selection

Set the mode dial to other than the mode of Scene Selection (page 18).

Scene Selection modes

The following modes are predetermined to match the scene conditions.

ISO High Sensitivity

Allows you to shoot images without a flash under low light conditions, reducing blur.

Soft Snap

Allows you to shoot skin colors in brighter and warmer tones for more beautiful pictures. In addition, the soft focus effect creates a gentle atmosphere for portraits of people, flowers, etc.

Twilight Portrait*

Suitable for shooting portraits in dark places. Allows you to shoot sharp images of people in dark places without losing the dark atmosphere of the surroundings.

Twilight*

Allows you to shoot night scenes at far distance without losing the dark atmosphere of the surroundings.

Landscape

Focuses only on a distant subject to shoot landscapes, etc.

Beach

When shooting seaside or lakeside scenes, the blue of the water is clearly recorded.

Snow

When shooting snowy scenes or other places where the whole screen appears white, use this mode to prevent sunken colors and record clear images.

* The shutter speed becomes slower, so using a tripod is recommended.
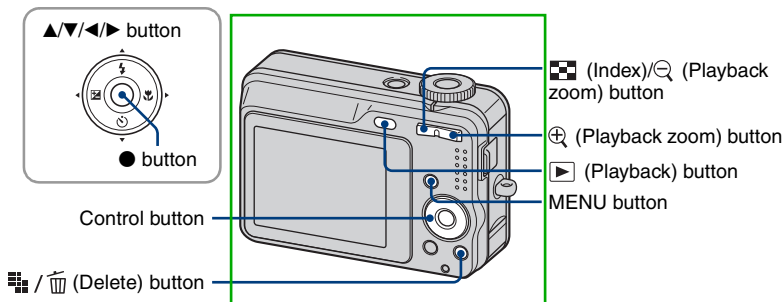
26

Functions that cannot be combined with Scene Selection

For shooting an image appropriately according to the scene condition, a combination of functions is determined by the camera. Some functions are not available, depending on the Scene Selection mode. When you press the button to select functions that cannot be combined with Scene Selection, a beep sounds.

(✓: you can select the desired setting)

	Macro	Flash	White Balance	Burst	Flash level
ISO	✓	🚫	✓	✓	—
👤	✓	✓	✓	✓	✓
🌙	✓	⚡SL	Auto/ ⚡WB	—	✓
☾	—	🚫	✓	—	—
🏔	—	⚡ / 🚫	✓	✓	✓
🏖	✓	⚡ / 🚫	✓	✓	✓
⛄	✓	⚡ / 🚫	✓	✓	✓

Basic Operations

27

Viewing/deleting images

▲/▼/◄/► button

● button

Control button

🖳 / 🗑 (Delete) button

🔲 (Index)/⊖ (Playback zoom) button

⊕ (Playback zoom) button

▶ (Playback) button

MENU button

---

1 Press ▶ (Playback) button.

If you press ▶ (Playback) button when the camera is powered off, the camera is turned on in the playback mode. If you press again, switches to recording mode.

---

2 Select an image with ◄/► on the control button.

Movie:

Press ● to play back a movie. (Press ● again to stop playback.)

Press ► to fast forward, press ◄ to rewind. (Press ● to return to normal playback.)

Press ▲/▼ to adjust the volume. [volume]

🖳 / 🗑 To delete images

① Display the image you want to delete and press 🖳 / 🗑 (Delete).

② Select [Delete] with ▲, then press ●.

To cancel the deletion

Select [Exit], then press ●.

⊕ ⊖ To view an enlarged image (playback zoom)

Press ⊕ while displaying a still image.
To undo the zoom, press ⊖.
Adjust the portion: ▲/▼/◄/►
Cancel playback zoom: ●
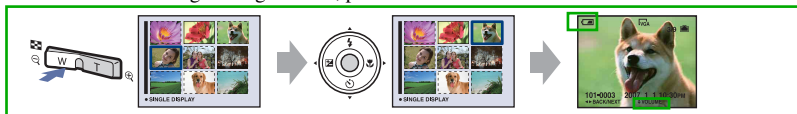• To store enlarged images: [Trimming] (page 45)

[Trimming]

Viewing an index screen

Press ■ (Index) and select an image with ▲/▼/◀/▶. To display the next (previous) index screen, press ◀/▶.
To return to the single-image screen, press ●.

To delete images in index mode

volume

① While an index screen is displayed, press ▦ / ⑪ (Delete) and select [Select] with ▲/▼ on the control button, then press ●.

② Select the image you want to delete with ▲/▼/◀/▶, then press ● to display the ⑪ (Delete) indicator on the selected image.

Green selection frame
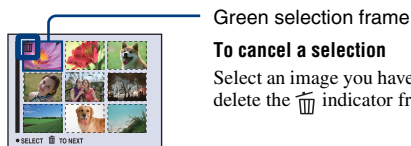
To cancel a selection

Select an image you have previously selected for deletion, then press ● to delete the ⑪ indicator from the image.

③ Press ▦ / ⑪ (Delete).

④ Select [OK] with ▶, then press ●.

• To delete all the images in the folder, select [All In This Folder] with ▲/▼ in step ① instead of [Select], then press ●.

Basic Operations

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Using menu items
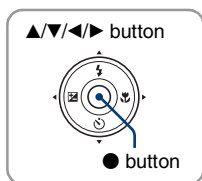
▲/▼/◀/▶ button

● button

Control button
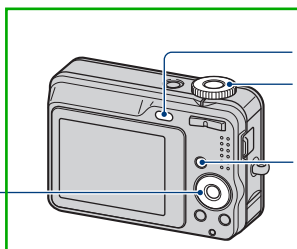
▶ (Playback) button

Mode dial

MENU button

---

1 Recording: Turn on the camera, then set the mode dial.
Playback: Press ▶ (Playback) button.

Different items are available depending on the position of the mode dial and Recording/Playback mode.

---

2 Press MENU to display the menu.

---

3 Select the desired menu item with ◀/▶ on the control button.

• If the desired item is invisible, keep pressing ◀/▶ until the item appears on the screen.
• Press ● after selecting an item in the Playback mode.

```
800
400
200
100
∨ Auto
ISO
COLOR ▣   WB  ISO ◄► Mode
```

ISO   100

---
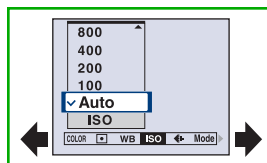
4 Select a setting with ▲/▼.

The setting you select is zoomed and set.

---

5 Press MENU to turn off the menu.

You can also turn off the menu by pressing the shutter button halfway down.

• If there is an item that is not displayed, an ▲/▼ mark appears on the edges of the location where menu items usually appear. To display an item that is not displayed, select the mark with the control button.
• You cannot set items that are not available to select.

Menu items

Menu for shooting (page 32)

The menu items available vary depending on the mode dial position and settings. Only the available items are displayed on the screen.

(✔ : available)

Mode dial position:	📷	P	Scene	🎥
COLOR (Color Mode)	—	✔	—	✔
🔲 (Metering Mode)	—	✔	✔	✔
WB (White Bal)	—	✔	✔	✔
ISO	—	✔	✔	—
📶 (P.Quality)	—	✔	✔	—
Mode (REC Mode)	✔	✔	✔	—
⚡± (Flash Level)	—	✔	✔ *	—
📊 (Sharpness)	—	✔	—	—
🧰 (Setup)	✔	✔	✔	✔

Menu for viewing (page 39)

📁 (Folder)   🔒 (Protect)
DPOF   🖨 (Print)
🔄 (Slide)   📐 (Resize)
🔃 (Rotate)   🧰 (Setup)
Trimming**

[Trimming]

[The operation]

[Trimming]

* The operation is limited according to the Scene mode (page 27).
**Available only for playback zoom.

In this "Cyber-shot Handbook", the available mode dial setting is shown as follows.

| 📷 | P | ISO | 🏃 | 🌆 | 🌙 | 🏞 | 🏔 | 👤 | 🎥 |

Unavailable   Available

Shooting menu
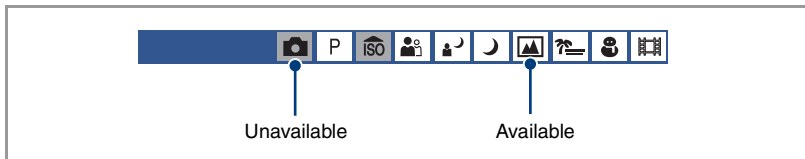
The default settings are marked with ✓ .

COLOR (Color Mode): Changing the vividness of the image or adding special effects	◻ P 🔤 📷 📷 🌙 ▣ 🏞 🐤 🎬

You can change the brightness of the image, accompanied by effects.

	B&W (B & W)	Sets the image to monochromatic color.
	Sepia (SEPIA)	Sets the image to sepia color.
	Natural (NATURAL)	Sets the image to quiet color.
	Rich (RICH)	Sets the image to bright color.
✓	Normal	
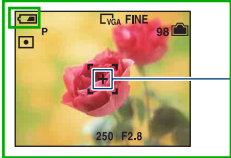
• You can select only [Normal], [B&W] or [Sepia] when shooting movies.

32

⊡ (Metering Mode): Selecting the metering mode   ⬛ P ⬛ ⬛ ⬛ ⬛ ⬛ ⬛ ⬛ ⬛

Selects the metering mode that sets which part of the subject to measure to determine the exposure.

	Spot (Spot metering) (⊡)	Measures only a part of the subject. • This function is useful when the subject is backlit or when there is strong contrast between the subject and the background.
		Spot metering cross hairs Positions on the subject
✅	Multi (Multi-pattern metering)	Divides into multiple regions and measures each region. The camera determines a well-balanced exposure.

• For details on the exposure, see page 7.

WB (White Bal): Adjusting the color tones

Adjusts the color tones according to the lighting condition in a situation, for example, when the colors of an image look strange.

Flash (⚡WB)	Adjusts for the flash conditions. • You cannot select this item when shooting movies.
Incandescent (☀)	Adjusts for lightning conditions such as under an incandescent lamp, or bright lighting such as in a photography studio.
Fluorescent (▦)	Adjusts for fluorescent lighting.
Cloudy (☁)	Adjusts for a cloudy sky or shaded area.

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Daylight (☀)	Adjusts for a sunny outdoors, shooting evening scenes, night scenes, fireworks, or sunrise, or conditions before and after sundown.
✓ Auto	Adjusts the White Balance automatically.

- For details on the white balance, see page 8.
- Under fluorescent lights that flicker, the white balance function may not work correctly even though you select [Fluorescent] (☲).
- Except in [Flash] (⚡WB) modes, [WB] is set to [Auto] when the flash strobes.
- Some options are not available depending on the Scene mode (page 27).

ISO: Selecting a luminous sensitivity

Small number   Large number

Selects a luminous sensitivity with units of ISO. The larger the number, the higher the sensitivity.

1250	Select a large number when shooting in dark locations or shooting a subject moving at high speed, or select a small number to obtain high image quality.
800	
400	
200	ISO 100
100	
✓ Auto	

- For details on the ISO sensitivity, see page 7.
- Note that the image tends to become noisier as the ISO sensitivity number increases.
- [ISO] is set to [Auto] in the Scene mode.

ISO

Using the menu

(P.Quality): Selecting the still image quality

Selects the still image quality.
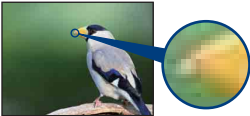
	Fine (FINE)	Records with high quality (low compression).
		• When the mode dial is ◻ (Auto), the quality of a still image is [Fine].
	Standard (STD)	Records with standard quality (high compression).

Mode (REC Mode): Selecting the continuous shooting method	◻ P ᴵˢᴼ ▥ ▥ ☽ ▣ ▥ ▥ ▥

Selects whether the camera performs continuous shooting or not when you press the shutter button.

Burst (▥)	Records three images in succession when you press the shutter button.
	• When "Recording" disappears, you can shoot the next image.
	• The flash is set to (Flash forced off).
✅ Normal	Does not shoot continuously.

On the [Burst]
• The recording interval is approximately 2 seconds.
• When the battery level is low, or when the internal memory or "Memory Stick Duo" does not sufficient space, you cannot shoot continuously.
• You may not be able to shoot images in the Burst mode depending on the Scene mode (page 27).

Using the menu

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⚡± (Flash Level): Adjusting the amount of flash light

Adjusts the amount of flash light.

	+ (⚡+)	Toward +: Makes the flash level higher.
✓	Normal	
	− (⚡−)	Toward −: Makes the flash level lower.

• To change flash mode, see page 21.

▯ (Sharpness): Adjusting the sharpness of the image
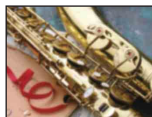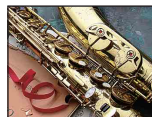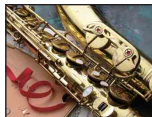
Toward −   Toward +

Adjusts the sharpness of the image.

	+ (▯)	Toward +: Sharpens the image.
✓	Normal	
	− (▯)	Toward −: Softens the image.

▤ (Setup): Changing Setup items

See page 46.

Viewing menu

The default settings are marked with ⍉.

▢ (Folder): Selecting the folder for viewing images

Selects the folder containing the image you want to play back when using the camera with "Memory Stick Duo".

	OK	See the following procedure.
⍉	Cancel	Cancels the selection.

① Select the desired folder with ◄/► on the control button.

```
Select Folder
◄ ▢ 102              2/2 ►
  Folder Name:102MSDCF
  No. Of Files: 9
  Created:
    2007  1  1  1:05:34AM
  ┌──────┐
  │  OK  │
  ├──────┤
  │Cancel│
  └──────┘
◄► BACK/NEXT
```
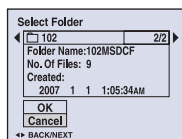
② Select [OK] with ▲, then press ●.

💡 On the folder
The camera stores images in a specified folder of a "Memory Stick Duo". You can change the folder or create a new one.
• To create a new folder → [Create REC. Folder] (page 51)
• To change the folder for recording images → [Change REC. Folder] (page 52)
• When multiple folders are created in the "Memory Stick Duo" and the first or last image in the folder is displayed, the following indicators appear.
  ↵ : Moves to the previous folder.
  ↳ : Moves to the next folder.
  ⇆ : Moves to either the previous or next folders.

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⊶ (Protect): Preventing accidental erasure

Protects images against accidental erasure.

✅	Protect (⊶)	See the following procedure.
	Exit	Exits the Protection function.

To protect images in single-image mode

① Display the image you want to protect.

② Press MENU to display the menu.

③ Select [⊶] (Protect) with ◄/► on the control button, then press ●.
The image is protected and the ⊶ (protect) indicator appears on the image.

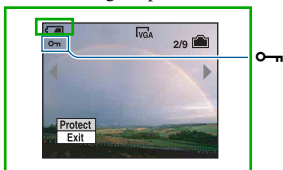④ To protect other images, select the desired image with ◄/►, then press ●.

To protect images in index mode

① Press ⊞ (Index) to display the index screen.

② Press MENU to display the menu.

③ Select [⊶] (Protect) with ◄/► on the control button, then press ●.

④ Select [Select] with ▲/▼, then press ●.

⑤ Select the image you want to protect with ▲/▼/◄/►, then press ●.
A green ⊶ indicator appears on the selected image.

⊶ (green)

⑥ Repeat step ⑤ to protect other images.

⑦ Press MENU.

⑧ Select [OK] with ►, then press ●.
The ⊶ indicator turns white. The selected images are protected.

• To protect all images in the folder, select [All In This Folder] in step ④, and press ●. Select [On] with ►, then press ●.

40

To cancel the protection

In single-image mode

Press ● in step ③ or ④ of "To protect images in single-image mode."

In index mode

① Select the image for which you want to remove protection in step ⑤ of "To protect images in index mode."

② Press ● to turn the ⊶ indicator gray.

③ Repeat the operation above for all images to be unprotected.

④ Press MENU, select [OK] with ▶, and then press ●.

To cancel protection of all images in the folder

Select [All In This Folder] in step ④ of "To protect images in index mode," and press ●. Select [Off] with ▶, then press ●.

• Note that formatting the internal memory or "Memory Stick Duo" erases all the data stored on the recording media, even if the images are protected, and these images cannot be restored.
• It may take some time to protect an image.

DPOF: Adding a Print order mark

Adds a ⬚ (Print order) mark to images you want to print (page 83).

⎙ (Print): Printing images using a printer

See page 79.

Using the menu

41

🖵 (Slide): Playing back a series of images

Plays back recorded images in order (Slide show).

Interval		
✅	3 sec	Sets the slide show interval.
	5 sec	
	10 sec	
	30 sec	
	1 min	

Repeat		
✅	On	Plays back images in a continuous loop.
	Off	After all the images have been played back, the slide show ends.

Image		
✅	Folder	Plays back all the images in the selected folder.
	All	Plays back all the images in a "Memory Stick Duo" in order.

	Start	See the following procedure.
✅	Cancel	Cancels the slide show.

① Select [Interval], [Repeat] and [Image] with ▲/▼/◀/▶ on the control button.

② Select [Start] with ▼/▶, then press ●.
The slide show starts.

To end the slide show, press ● pause the slide show. Select [Exit] with ▼, then press ●.

• When pausing during the slide show, you can display the previous/next image with ◀/▶.
• The interval time is just a guideline, so it may vary depending on the image size, etc.

[8M]

🖼 (Resize): Changing the image size of a recorded image
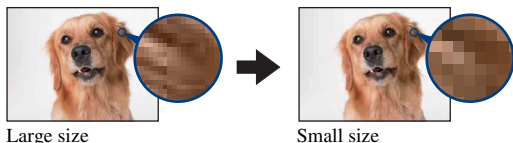
Large size   Small size

You can change the image size of a recorded image (Resize), and save it as a new file. The original image is retained even after resizing.

	8M	For details on guidelines for selecting the image size, see page 24.
	5M	
	3M	
	2M	
	VGA	
✓	Cancel	Cancels resizing.

① Display the image you want to resize.

② Press MENU to display the menu.

③ Select [🖼] (Resize) with ◀/▶ on the control button, then press ●.

④ Select the desired size with ▲/▼, then press ●.
The resized image is recorded in the recording folder as the newest file.

• For details on Image Size, see page 9.
• You cannot change the size of movies.
• When you change from a small size to a large size, the image quality deteriorates.
• You cannot resize to an image size of 3:2 or 16:9.
• When you resize a 3:2 or 16:9 image, the upper and lower black portions will be displayed on the image.

Using the menu

▦ (Rotate): Rotating a still image

Rotates a still image.

	↶ ↷	Rotates an image. See the following procedure.
	OK	Determines the rotation. See the following procedure.
✓	Cancel	Cancels rotation.

① Display the image to be rotated.

② Press MENU to display the menu.

③ Select [▦] (Rotate) with ◀/▶ on the control button, then press ●.

④ Select [↶ ↷] with ▲, then rotate the image with ◀/▶.

⑤ Select [OK] with ▲/▼, then press ●.

• You cannot rotate protected images or movies.
• You may not be able to rotate images shot with other cameras.
• When viewing images on a computer, the image rotation information may not be reflected depending on the software.

⬛ (Setup): Changing Setup items

See page 46.

Trimming: Rotating an enlarged image

Records an enlarged image (page 28) as a new file.

	Trimming	See the following procedure.
✅	Return	Cancels trimming.

① Press MENU during playback zoom to display the menu.

② Select [Trimming] with ▶ on the control button, then press ●.

③ Select the image size with ▲/▼ , then press ●.
   The image is recorded, and the original image is displayed again.

• The trimmed image is recorded as the newest file in the selected recording folder, and the original image is retained.
• The quality of trimmed images may deteriorate.
• You cannot trim to an image size of 3:2 or 16:9 aspect ratio.

[Trimming]
1

Using Setup items

You can change the default settings using the Setup screen.

▲/▼/◀/▶ button

● button

Control button

Mode dial

MENU button

---
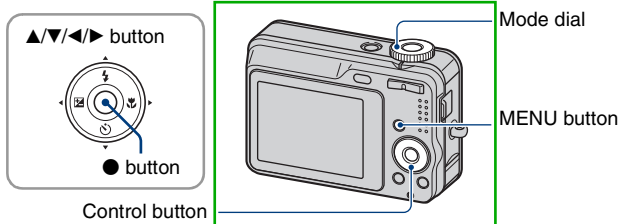
1 Press MENU to display the menu.

---

2 After pressing ▶ on the control button, go to the 🔧 (Setup) setting, then press ▶ again.

---

3 Press ▲/▼/◀/▶ on the control button to select the item you want to set.

The frame of the selected item turns yellow.

---

4 Press ● to enter the setting.

```
              Setup 2
 📷  File Number:
 🖼  USB Connect:
 🔧  Video Out:      OK
 📄  Clock Set:   ◀ Cancel
```
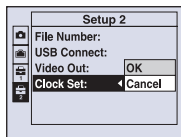
To turn off the 🔧 (Setup) screen, press MENU.

To return to the menu from the 🔧 (Setup) screen, press ◀ on the control button repeatedly.

• Press the shutter button halfway down to close the 🔧 (Setup) screen and return to the shooting mode.

When the menu is not displayed

Press MENU longer to display the 🔧 (Setup) screen.

To cancel the 🔧 (Setup) setting

Select [Cancel] if it appears, then press ● on the control button. If it does not appear, select the previous setting again.

• This setting is maintained even when the power is turned off.

The default settings are marked with ✅ .

Digital Zoom

Selects the digital zoom mode. The camera enlarges the image using optical zoom (up to 6×). When the zoom scale exceeds 6×, the camera uses either smart or precision digital zoom.

✅	Smart (Smart zoom) (**S**🔍)	Enlarges the image digitally with almost no distortion. This is not available when the image size is set to [8M] or [3:2]. • The maximum zoom scale of Smart zoom is shown in the following table.
	Precision (Precision digital zoom) (**P**🔍)	Enlarges all image sizes up to a maximum of 12×, but the image quality deteriorates.
	Off	Does not use the digital zoom.

Image size and maximum zoom scale using Smart zoom

Size	Maximum zoom scale
5M	Approx. 7.6×
3M	Approx. 9.6×
2M	Approx. 12.0×
VGA	Approx. 30×
16:9	Approx. 10×

• When you press the zoom button, the zoom scaling indicator appears as follows.

W━━━T
×2.5
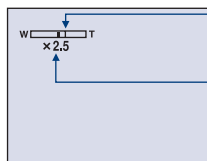
The W side of this line is the optical zoom area, and the T side is the digital zoom area

Zoom scaling indicator

• The maximum zoom scale of smart zoom/precision zoom includes the scale of the optical zoom.
• The AF range finder frame does not appear when using the digital zoom.
• When using the smart zoom, the image on the screen may look rough. However, this phenomenon has no effect on the recorded image.

Using the Setup screen

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Function Guide

When you operate the camera, the description of functions is displayed.

✅	On	Displays the function guide.
	Off	Does not display the function guide.

Red Eye Reduction
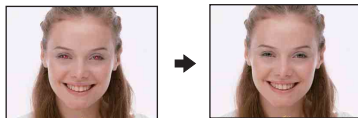
Reduces the red-eye phenomenon when using the flash. Select this before shooting.

	On (👁)	Reduces the red-eye phenomenon.
		• The flash pre-strobes twice or more before shooting.
✅	Off	Does not use Red Eye Reduction.

• Because it takes about a second until the shutter clicks, hold the camera firmly to prevent the effects of vibration. Also, do not let the subject move.
• Red-eye reduction may not produce the desired effects depending on individual differences, the distance to the subject, if the subject does not see the pre-strobe, or other conditions.

AF Illuminator

The AF illuminator supplies fill light to focus more easily on a subject in dark surroundings. The AF illuminator emits red light allowing the camera to focus easily when the shutter button is pressed halfway, until the focus is locked. The ⚡ON indicator appears at this time.

✅	Auto	Uses the AF illuminator.
	Off	Does not use AF illuminator.

• If the AF illuminator light does not reach the subject sufficiently or the subject has no contrast, focus will not be achieved. (A distance of up to approximately x.x m (xx feet x x/x inches) (zoom: W) / x.x m (x feet x x/x inches) (zoom: T) is recommended.)
• Focus is achieved as long as the AF illuminator light reaches the subject, even if the light is slightly off the center of the subject.
• The AF range finder frame does not appear, when using the AF illuminator.
• The AF illuminator does not operate when ☾ (Twilight mode) or 🏔 (Landscape mode) is selected in the Scene mode.
• The AF illuminator emits very bright light. Although there are no problems with safety, do not look directly into the AF illuminator emitter at close range.

[AF Illuminator]

Auto Review

Displays the recorded image on the screen for approximately two seconds immediately after shooting a still image.

✅	On	Use the Auto Review.
	Off	Does not use Auto Review.

• If you press the shutter button halfway down during this period, the recorded image display disappears and you can immediately shoot the next image.

```
                            1
```

Using the Setup screen

This item does not appear when a "Memory Stick Duo" is inserted in the camera.

Format

Formats the internal memory.
• Note that formatting irrevocably erases all data in the internal memory, including even protected images.

① Select [OK] with ▲ on the control button, then press ●.
   The message "All data in internal memory will be erased Ready?" appears.

② Select [OK] with ▲, then press ●.
   The format is complete.

To cancel the formatting

Select [Cancel] in step ① or ②, then press ●.

⮜ **Memory Stick Tool**

This item appears only when a "Memory Stick Duo" is inserted in the camera.

Format

Formats the "Memory Stick Duo". A commercially available "Memory Stick Duo" is already formatted, and can be used immediately.
• Note that formatting irrevocably erases all data on a "Memory Stick Duo", including even protected images.

① Select [OK] with ▲ on the control button, then press ●.
 The message "All data in Memory Stick will be erased Ready?" appears.

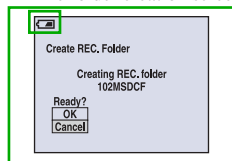② Select [OK] with ▲, then press ●.
 The format is complete.

To cancel the formatting

Select [Cancel] in step ① or ②, then press ●.

Create REC. Folder

Creates a folder in a "Memory Stick Duo" for recording images.

① Select [OK] with ▲ on the control button, then press ●.
 The folder creation screen appears.

② Select [OK] with ▲, then press ●.
 A new folder is created with a number incremented one higher than the largest number, and the folder becomes the current recording folder.

To cancel the folder creation

Select [Cancel] in step ① or ②, then press ●.

• When not creating a new folder, the "101MSDCF" folder is selected as the recording folder.
• You can create folders designated up to "999MSDCF."
• Images are recorded in the newly created folder until a different folder is created or selected.
• You cannot delete a folder with the camera. To delete a folder, use your computer, etc.
• Up to 4,000 images can be stored in one folder. When the folder capacity is exceeded, a new folder is automatically created.
• For details, see "Image file storage destinations and file names" (page 67).

Using the Setup screen

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Change REC. Folder

Changes the folder currently used for recording images.

① Select [OK] with ▲ on the control button, then press ●.
   The folder selection screen appears.

```
Select REC. Folder
◀ | ☐ 102            2/2 | ▶
Folder Name:102MSDCF
No. Of Files: 0
Created:
   2007  1  1  1:05:34AM
   OK
   Cancel
◀▶ BACK/NEXT
```
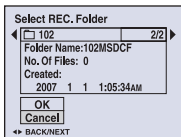
② Select the desired folder with ◀/▶, and [OK] with ▲, then press ●.

To cancel changing the recording folder
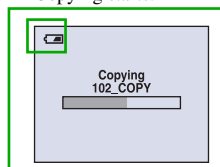
Select [Cancel] in step ① or ②, then press ●.

• You cannot select the "100MSDCF" folder as a recording folder.
• You cannot move recorded images to a different folder.

Copy

Copies all images in the internal memory to a "Memory Stick Duo".

① Insert a "Memory Stick Duo" having 64 MB or larger capacity.

② Select [OK] with ▲ on the control button, then press ●.
The message "All data in internal memory will be copied Ready?" appears.

③ Select [OK] with ▲, then press ●.
Copying starts.

> Copying
> 102_COPY

To cancel the copying

Select [Cancel] in step ② or ③, then press ●.

• Use fully charged Nickel-Metal Hydride batteries or the AC Adaptor (not supplied). If you attempt to copy image files using batteries with little remaining charge, the batteries may run out, causing copying to fail or possibly corrupting the data.
• You cannot copy individual images.
• The original images in the internal memory are retained even after copying. To delete the contents of the internal memory, remove the "Memory Stick Duo" after copying, then execute the [Format] command in 🗀 (Internal Memory Tool) (page 50).
• When you copy the data in the internal Memory to the "Memory Stick Duo", all the data will be copied. You cannot choose a specific folder on the "Memory Stick Duo" as the destination for the data to be copied.
• Even if you copy data, a 🗏 (Print order) mark is not copied.

Using the Setup screen