

SONY[®]

4-417-244-11(2)

Digital Still Camera

Instruction Manual

Cyber-shot



DSC-S5000

Learning more about the camera (“Cyber-shot User Guide”)



“Cyber-shot User Guide” is an on-line manual. Refer to it for in-depth instructions on the many functions of the camera.

- ① Access the Sony support page.
<http://www.sony.net/SonyInfo/Support/>
- ② Select your country or region.
- ③ Search for the model name of your camera within the support page.
 - Check the model name on the bottom of your camera.

Checking the supplied items

The number in parentheses indicates the number of pieces.

- Camera (1)
- LR6 (size AA) alkaline batteries (2)
- Dedicated USB cable (1) (Sony Corporation 1-834-311-)
- Wrist strap (1)
- Instruction Manual (this manual) (1)

Owner's Record

The model and serial numbers are located on the bottom. Record the serial number in the space provided below. Refer to these numbers whenever you call your Sony dealer regarding this product.

Model No. DSC-S5000

Serial No. _____

WARNING

To reduce fire or shock hazard, do not expose the unit to rain or moisture.

For Customers in the U.S.A.

If you have any questions about this product, you may call:

Sony Customer Information Center
1-800-222-SONY (7669).

The number below is for the FCC related matters only.

Regulatory Information

Declaration of Conformity

Trade Name: SONY
Model No.: DSC-S5000
Responsible Party: Sony Electronics Inc.
Address: 16530 Via Esprillo,
San Diego, CA 92127 U.S.A.
Telephone No.: 858-942-2230

This device complies with Part15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

CAUTION

You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

Note:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules.

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

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The supplied interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules.

For Customers in Europe

Notice for the customers in the countries applying EU Directives

The manufacturer of this product is Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. The Authorized Representative for EMC and product safety is Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany. For any service or guarantee matters please refer to the addresses given in separate service or guarantee documents.

This product has been tested and found compliant with the limits set out in the EMC Directive for using connection cables shorter than 3 meters (9.8 feet).

Attention

The electromagnetic fields at the specific frequencies may influence the picture and sound of this unit.

Notice

If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems)



This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. The recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product,

please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

I Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems)



This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.

On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0.0005% mercury or 0.004% lead.

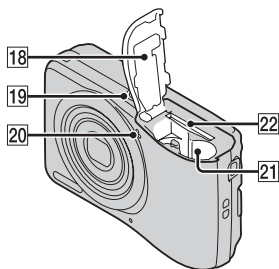
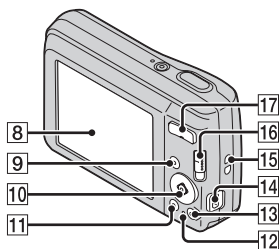
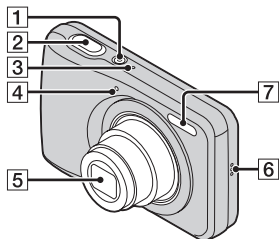
By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources.

In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely.

Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product.

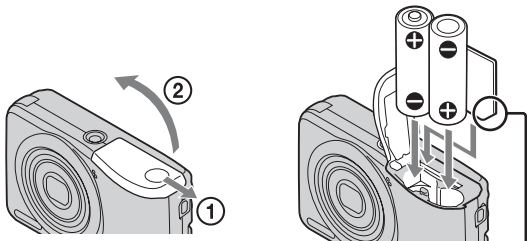
Identifying parts



- 1** ON/OFF (Power) button
- 2** Shutter button
- 3** ON/OFF (Power) lamp
- 4** Self-timer lamp/Smile Shutter lamp

- 5** Lens
- 6** Speaker
- 7** Flash
- 8** LCD screen
- 9** (Playback) button
- 10** Control button
MENU on: ////
MENU off: DISP///
Tracking focus
- 11** MENU button
- 12** Access lamp
- 13** / (In-Camera Guide/Delete) button
- 14** USB / A/V OUT jack
- 15** Hook for wrist strap
- 16** Mode switch: (Still image)/ (Sweep Panorama)/ (Movie)
- 17** For shooting: W/T (Zoom) button
For viewing: (Playback zoom) button/ (Index) button
- 18** Battery/memory card cover
- 19** Tripod receptacle
 - Use a tripod with a screw less than 5.5 mm (7/32 inches) long. Otherwise, you cannot firmly secure the camera, and damage to the camera may occur.
- 20** Microphone
- 21** Battery insertion slot
- 22** Memory card slot

Inserting the batteries/a memory card (sold separately)



Ensure the notched corner faces correctly.

- 1 Open the cover.
- 2 Insert the memory card (sold separately).
 - With the notched corner facing as illustrated, insert the memory card until it clicks into place.
- 3 Match +/– and insert the batteries.
- 4 Close the cover.

Memory cards that you can use

	Memory Card	For still images	For movies
A	Memory Stick PRO Duo	○	○
	Memory Stick PRO-HG Duo	○	○
	Memory Stick Duo	○	—
B	Memory Stick Micro (M2)	○	○
C	SD memory card	○	○ (Class 2 or faster)
	SDHC memory card	○	○ (Class 2 or faster)
D	microSD memory card	○	○ (Class 2 or faster)
	microSDHC memory card	○	○ (Class 2 or faster)

In this manual, the products in the table are collectively referred to as followings:

- A: “Memory Stick Duo” media
- B: “Memory Stick Micro” media
- C: SD card
- D: microSD memory card

Note

- When using “Memory Stick Micro” media or microSD memory cards with this camera, make sure to use with the appropriate adaptor.

To remove the memory card/batteries

Memory card: Push the memory card in once.

Batteries: Be sure not to drop the batteries.

Note

- Never open the battery/memory card cover or remove the batteries/memory card when the access lamp (page 7) is lit. This may cause damage to data in the memory card/internal memory.

Batteries you can and cannot use with your camera

In the table below, ○ indicates the battery can be used, while — indicates the one cannot be used.

Battery type	Supplied	Supported	Rechargeable
LR6 (size AA) alkaline batteries	○	○	—
HR15/51: HR6 (size AA) Nickel-Metal Hydride batteries	—	○	○
ZR6 (size AA) Oxy Nickel Primary batteries	—	○	—
Lithium batteries*	—	—	—
Manganese batteries*	—	—	—
Ni-Cd batteries*	—	—	—

* Operating performance cannot be ensured if voltage drops or other problems are caused by the nature of the battery.

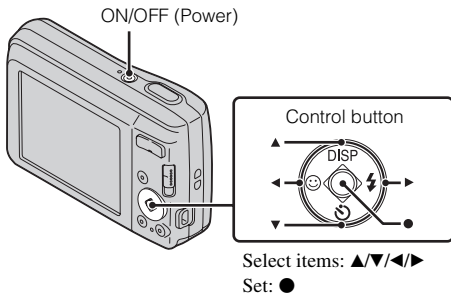
Battery life and number of images you can record/view

	Battery life (min.)	Number of Images
Shooting still images	Approx. 95	Approx. 190
Viewing still images	Approx. 380	Approx. 7600
Shooting movies	Approx. 162	—

Notes

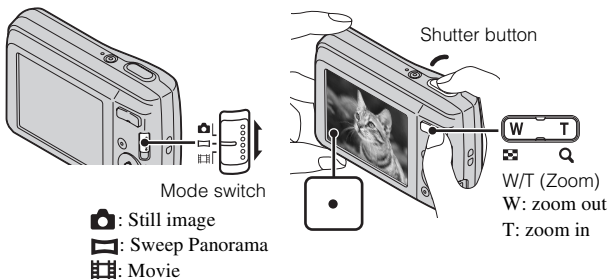
- The number of images that can be recorded is an approximate number when shooting with new batteries. The number may be less depending on the circumstances.
- The number of images that can be recorded is when shooting under the following conditions:
 - Using Sony “Memory Stick PRO Duo” (Mark2) media (sold separately).
 - New batteries are used at an ambient temperature of 25°C (77°F).
- The number of still images that can be recorded is based on the CIPA standard, and is for shooting under the following conditions. (CIPA: Camera & Imaging Products Association)
 - [SteadyShot] is set to [Off].
 - [Panel Brightness] is set to [3].
 - Shooting once every 30 seconds.
 - The zoom is switched alternately between the W and T ends.
 - The flash strobes once every two times.
 - The power turns on and off once every ten times.
- The battery life for movies is when shooting under the following conditions:
 - Recording mode: VGA
 - When continuous shooting ends because of set limits (page 19), press the shutter button down again and continue shooting. Shooting functions such as the zoom do not operate.
- The values shown for alkaline battery are based on commercial norms, and do not apply to all alkaline batteries in all conditions. The values may vary, depending on the battery manufacturer/type, environmental conditions, product setting, etc.

Setting the clock



- 1 Press the ON/OFF (Power) button.**
Date & Time setting is displayed when you press the ON/OFF (Power) button for the first time.
 - It may take time for the power to turn on and allow operation.
- 2 Select a desired language.**
- 3 Select a desired geographic location by following the on-screen instructions, then press ●.**
- 4 Set [Date & Time Format], [Summer Time] and [Date & Time], then press [OK].**
 - Midnight is indicated as 12:00 AM, and noon as 12:00 PM.
- 5 Operate following the instructions on the screen.**

Shooting still images/movies



Shooting still images

- 1 Press the shutter button halfway down to focus.
When the image is in focus, a beep sounds and the ● indicator lights.
- 2 Press the shutter button fully down.

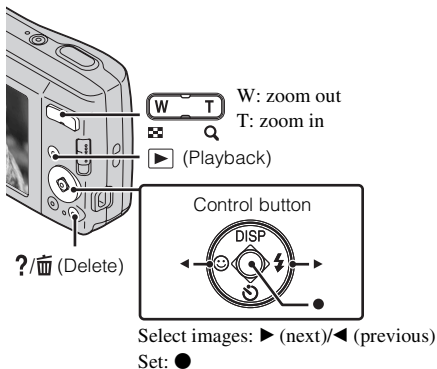
Shooting movies

- 1 Press the shutter button fully down to start recording.
• You can zoom by pressing the W/T (zoom) button before shooting.
- 2 Press the shutter button fully down again to stop recording.

Note

- The panoramic shooting range may be reduced, depending on the subject or the way it is shot. Therefore even when [360°] is set for panoramic shooting, the recorded image may be less than 360 degrees.

Viewing images



1 Press the ▶ (Playback) button.

■ Selecting next/previous image

Select an image with ▶ (next)/◀ (previous) on the control button. Press ● in the center of the control button to view movies.

■ Deleting an image

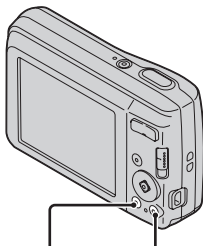
- ① Press ?/🗑️ (Delete) button.
- ② Select [This Image] with ▲ on the control button, then press ●.

■ Returning to shooting images

Press the shutter button halfway down.

In-Camera Guide

This camera contains an internal function guide. This allows you to search the camera's functions according to your needs.



MENU ?/☐ (In-Camera Guide)

1 Press the MENU button.

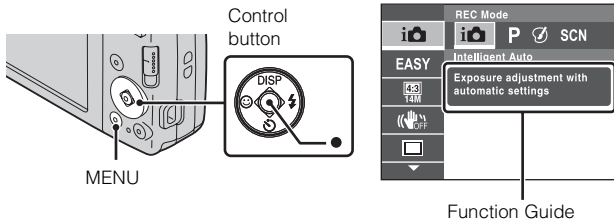
2 Select an item whose description you want to view, then press the ?/☐ (In-Camera Guide) button.

The operation guide for the selected function is displayed.

- You can search for a function by key word(s) or icon, by pressing the ?/☐ (In-Camera Guide) button when MENU is not displayed.
-

Introduction of other functions

Other functions used when shooting or playing back can be operated using the control button or MENU button on the camera. This camera is equipped with a Function Guide that allows you to easily select from the functions. While displaying the guide, try the other functions.



Control button

DISP (Display Setting): Allows you to change the screen display.

(Self-Timer): Allows you to use the self-timer.

(Smile Shutter): Allows you to use the Smile Shutter mode.

(Flash): Allows you to select a flash mode for still images.

(Tracking focus): Allows you to continue to focus on a subject even if the subject moves.

Menu Items

Shooting



REC Mode	Select recording mode.
Picture Effect	Shoot still images with an original texture according to the desired effect.
Scene Selection	Select pre-set settings to match various scene conditions.
Easy Mode	Shoot still images using minimal functions.
Still Image Size/ Panorama Image Size/Movie Size	Select the image size for still images, panoramic images or movie files.
Color hue	Set the color hue when [Toy camera] is selected in Picture Effect.





Extracted Color	Select the color to extract when [Partial Color] is selected in Picture Effect.
SteadyShot	Select the anti-blur mode.
Cont. Shooting Settings	Select single-image mode or burst mode.
EV	Adjust the exposure manually.
ISO	Adjust the luminous sensitivity.
White Balance	Adjust color tones of an image.
Focus	Select the focus method.
Metering Mode	Select the metering mode that sets which part of the subject to measure to determine the exposure.
Soft Skin Effect	Set the Soft Skin Effect and the effect level.
Smile Detection Sensitivity	Set the Smile Shutter function sensitivity for detecting smiles.
Face Detection	Sets the Face Detection.
DRO	Set DRO function to correct the brightness and contrast and improve the image quality.
In-Camera Guide	Search the camera's functions according to your needs.


Viewing

Easy Mode	Set the text-size increases and all indicators become easier to see.
Slideshow	Select a method of continuous playback.
Retouch	Retouch an image using various effects.
Delete	Delete an image.
Protect	Protect the images.
Print (DPOF)	Add a print order mark to a still image.
Rotate	Rotate a still image to the left.
In-Camera Guide	Search the camera's functions according to your needs.

Setting items

If you press the MENU button while shooting or during playback,  (Settings) is provided as a final selection. You can change the default settings on the  (Settings) screen.

 Shooting Settings	Grid Line/Disp. Resolution/Digital Zoom/Red Eye Reduction/Write Date
 Main Settings	Beep/Panel Brightness/Language Setting/Display color/Eco Mode/Initialize/Function Guide/Video Out/USB Connect Setting/LUN Setting
 Memory Card Tool*	Format/Create REC.Folder/Change REC.Folder/Delete REC.Folder/Copy/File Number
 Clock Settings	Area Setting/Date & Time Setting

* If a memory card is not inserted,  (Internal Memory Tool) will be displayed and only [Format] can be selected.

Install PC application (Windows)

Using the embedded software “PlayMemories Home” allows you to import recorded images to a computer, and edit or process them.

You can record/play back on your camera without installing the software “PlayMemories Home”.

- 1 Connect the camera to a computer.
 - 2 [Computer] (in Windows XP, [My Computer]) → [PMHOME] → double-click [PMHOME.EXE].
 - 3 Follow the instructions on the screen to complete the installation.
-

Note

- “PlayMemories Home” is not compatible with Mac OS. If you play back images on a Mac, use the applications that are installed on your Mac.
For details, see <http://www.sony.co.jp/imsoft/Mac/>

■ Useful functions in “PlayMemories Home”

“PlayMemories Home” provides the below useful features, while enabling a variety of other functions by connecting to the Internet and installing the “Expanded Feature”.

- Import and display images recorded with this camera.
- View images in a computer by organizing them by shooting date on a calendar.
- Correct still images (Red Eye Correction, etc.), print, send images by e-mail, and change shooting date/time.
- Save and print images with the shooting date inserted.

Number of still images and recordable time of movies

The number of still images and recordable time may vary depending on the shooting conditions and the memory card.

■ Still images

(Units: Images)

Size \ Capacity	Internal memory	Memory card
	Approx. 28 MB	2 GB
14M	4	300
VGA	170	11000
16:9(11M)	6	380

■ Movies

The table below shows the approximate maximum recording times. These are the total times for all movie files. The maximum size of a movie file is up to approximately 2 GB.

(h (hour), m (minute), s (second))

Size \ Capacity	Internal memory	Memory card
	Approx. 28 MB	2 GB
VGA	25s	25m
QVGA	1m	1h 15m

Notes on using the camera

On use and care

Avoid rough handling, disassembling, modifying, physical shock, or impact such as hammering, dropping or stepping on the product. Be particularly careful of the lens.

Notes on recording/playback

- Before you start recording, make a trial recording to make sure that the camera is working correctly.
- The camera is neither dust-proof, nor splash-proof, nor water-proof.
- Avoid exposing the camera to water. If water enters inside the camera, a malfunction may occur. In some cases, the camera cannot be repaired.
- Do not aim the camera at the sun or other bright light. It may cause the malfunction of the camera.
- If moisture condensation occurs, remove it before using the camera.
- Do not shake or strike the camera. It may cause a malfunction and you may not be able to record images. Furthermore, the recording media may become unusable or image data may be damaged.

Do not use/store the camera in the following places

- In an extremely hot, cold or humid place
In places such as in a car parked in the sun, the camera body may become deformed and this may cause a malfunction.
- Under direct sunlight or near a heater
The camera body may become discolored or deformed, and this may cause a malfunction.
- In a location subject to rocking vibration
- Near a location that generates strong radio waves, emits radiation or is strongly magnetic place. Otherwise, the camera may not properly record or play back images.
- In sandy or dusty places
Be careful not to let sand or dust get into the camera. This may cause the camera to malfunction, and in some cases this malfunction cannot be repaired.

On carrying

Do not sit down in a chair or other place with the camera in the back pocket of your trousers or skirt, as this may cause malfunction or damage the camera.

On the battery

- Avoid rough handling, disassembling, modifying, physical shock, or impact such as hammering, dropping or stepping on the battery.
- Do not use a deformed or damaged battery.
- Do not mix a used battery together with a new battery or different types of batteries.
- Remove the batteries from the camera when you do not operate the camera for long periods, or when the batteries are dead.

Notes on the screen and lens

The screen is manufactured using extremely high-precision technology so over 99.99% of the pixels are operational for effective use. However, some tiny black and/or bright dots (white, red, blue or green) may appear on the screen. These dots are a normal result of the manufacturing process, and do not affect the recording.

On camera's temperature

Your camera and battery may get hot due to continuous use, but it is not a malfunction.

Warning on copyright

Television programs, films, videotapes, and other materials may be copyrighted. Unauthorized recording of such materials may be contrary to the provisions of the copyright laws.

No compensation for damaged content or recording failure

Sony cannot compensate for failure to record or loss or damage of recorded content due to a malfunction of the camera or recording media, etc.

Cleaning the camera surface

Clean the camera surface with a soft cloth slightly moistened with water, then wipe the surface with a dry cloth. To prevent damage to the finish or casing:

- Do not expose the camera to chemical products such as thinner, benzene, alcohol, disposable cloths, insect repellent, sunscreen or insecticide.

Specifications

Camera

[System]

Image device: 7.76 mm (1/2.3 type)

color CCD, Primary color filter

Total pixel number of camera:

Approx. 14.5 Megapixels

Effective pixel number of camera:

Approx. 14.1 Megapixels

Lens: 5× zoom lens

f = 5.0 mm – 25.0 mm (28 mm –
140 mm (35 mm film equivalent))

F3.2 (W) – F6.5 (T)

SteadyShot: Electronic

Exposure control: Automatic exposure,
Scene Selection (10 modes)

White balance: Automatic, Daylight,

Cloudy, Fluorescent 1/2/3,

Incandescent, Flash

Recording interval for Burst mode:

Approx. 0.9 second

File format:

Still images: JPEG (DCF, Exif,
MPF Baseline) compliant, DPOF
compatible

Movies: AVI (Motion JPEG)

Recording media: Internal Memory
(Approx. 28 MB), “Memory Stick
Duo” media, “Memory Stick
Micro” media, SD cards, microSD
memory cards

Flash: Flash range (ISO sensitivity
(Recommended Exposure Index)
set to Auto):

Approx. 0.5 m to 3 m (W) (1 feet
7 3/4 inches to 9 feet 10 1/8 inches)

Approx. 0.5 m to 1.5 m (T) (1 feet
7 3/4 inches to 4 feet 11 1/8 inches)

[Input and Output connectors]

USB / A/V OUT jack:

Video output

Audio output

USB communication

USB communication: Hi-Speed USB
(USB 2.0)

[Screen]

LCD screen:

6.7 cm (2.7 type) TFT drive

Total number of dots:

230 400 dots

[Power, general]

Power: LR6 (size AA) alkaline
batteries (2), 3 V

HR15/51: HR6 (size AA) Nickel-
Metal Hydride batteries (2) (sold
separately), 2.4 V

ZR6 (size AA) Oxy Nickel Primary
batteries (2) (sold separately), 3 V

Power consumption (during shooting):
1.0 W

Operating temperature:

0°C to 40°C (32°F to 104°F)

Storage temperature:

-20°C to +60°C (-4°F to +140°F)

Dimensions (CIPA compliant):

97.5 mm × 61.0 mm × 29.6 mm
(3 7/8 inches × 2 1/2 inches ×
1 3/16 inches)
(W/H/D)

Mass (CIPA compliant) (including two
batteries and “Memory Stick Duo”
media):

Approx. 172 g (6.1 oz)

Microphone: Monaural

Speaker: Monaural

Exif Print: Compatible

PRINT Image Matching III:
Compatible

Design and specifications are subject to
change without notice.

Trademarks

- The following marks are trademarks of Sony Corporation.
Cyber-shot, “Cyber-shot,”
“Memory Stick PRO Duo,”
“Memory Stick PRO-HG Duo,”
“Memory Stick Duo”
- Windows is registered trademark of Microsoft Corporation in the United States and/or other countries.
- Mac is registered trademark of Apple Inc.
- SDHC logo is a trademark of SD-3C, LLC.
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Additional information on this product and answers to frequently asked questions can be found at our Customer Support Website.

<http://www.sony.net/>

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