# SONY

# Digital Still Camera

Instruction Manual

# Cyber-shot

MEMORY STICK TM    CLASS④

DSC-S3000

## English

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 upon your Sony dealer regarding this product.

Model No. DSC-S3000

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-S3000
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.

## 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.

## Refer to "Cyber-shot User Guide" (HTML) on supplied CD-ROM

For details on advanced operations, please read "Cyber-shot User Guide" (HTML) on the CD-ROM (supplied) using a computer.

Insert the CD-ROM into the CD-ROM drive.

**For Windows users:**
1 Click [User Guide] → [Install].
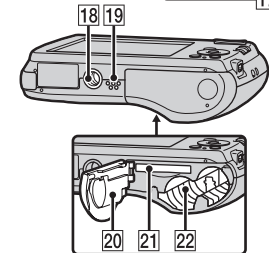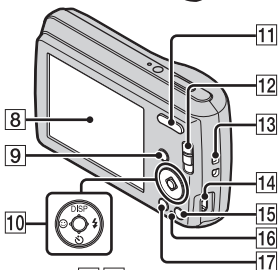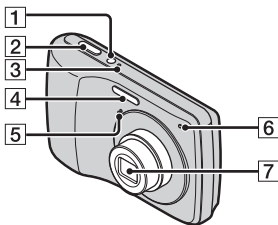2 Start "User Guide" from the shortcut on the desktop.

**For Macintosh users:**
1 Select the [User Guide] and copy [eng] folder stored in the [User Guide] folder to your computer.
2 After copying is complete, double-click "index.html" in the [eng] folder.

## Checking the accessories supplied

• LR6 (size AA) alkaline batteries (2)
• Dedicated USB cable (Sony Corporation 1-837-597-) (1)
• Wrist strap (1)
• CD-ROM (1)
  – Cyber-shot application software
  – "Cyber-shot User Guide"
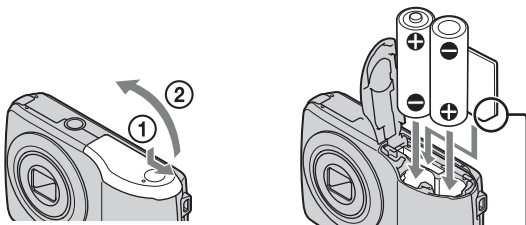• Instruction Manual (this manual) (1)

## Identifying parts

7 Lens

8 LCD screen

9 ▶ (Playback) button

10 Control button
Menu on: ▲/▼/◀/▶/●
Menu off: DISP/♂/☺/⚡

11 For shooting: W/T (Zoom) button
For viewing: Q (Playback zoom) button/▦ (Index) button

12 Mode switch

13 Hook for wrist strap

14 ⟵ (USB) / A/V OUT jack

15 🗑 (Delete) button

16 Access lamp

17 MENU button

18 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.

19 Speaker

20 Battery/memory card cover

21 Memory card slot

22 Battery insertion slot

1 ON/OFF (Power) button

2 Shutter button

3 ON/OFF (Power) lamp

4 Flash

5 Microphone

6 Self-timer lamp/Smile Shutter lamp

## 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 |
|---|---|---|---|
|   | Memory Stick PRO Duo | ○ | ○ |
| **A** | Memory Stick PRO-HG Duo | ○ | ○ |
|   | Memory Stick Duo | ○ | — |
| **B** | SD memory card | ○ | ○ |
|   | SDHC memory card | ○ | ○ |

• In this manual, products in A are collectively referred to as "Memory Stick Duo" media.
• In this manual, products in B are collectively referred to as SD card.
• When recording movies, it is recommended that you use Class 2 or faster SD cards.

## ❚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 6) 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.

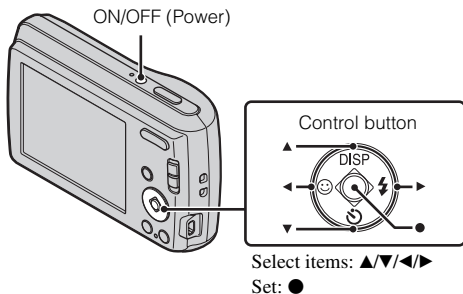## ❚Battery life and number of images you can record/ view

|  | Battery life (min.) | No. of Images |
|---|---|---|
| Shooting still images | Approx. 100 | Approx. 200 |
| Viewing still images | Approx. 350 | Approx. 7000 |
| Shooting movies | Approx. 160 | — |

**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].
  – DISP (Screen Display Settings) is set to [Normal].
  – 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 16), 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 date and time

Date & Time setting is displayed when you press the ON/OFF (Power) button for the first time.



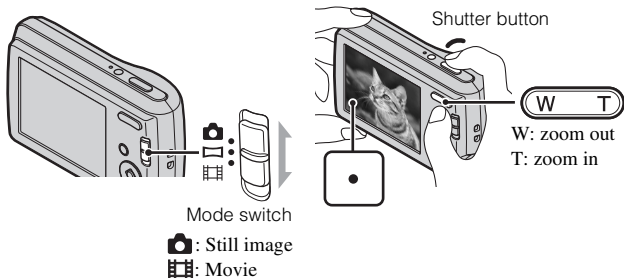ON/OFF (Power)

Control button

DISP

Select items: ▲/▼/◀/▶
Set: ●

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 Set [Date & Time Format], [Daylight Savings] and [Date & Time], then press [OK].
• Midnight is indicated as 12:00 AM, and noon as 12:00 PM.

3 Select the desired area following the instructions on the screen, then press ● → [OK].

4 Select the desired display color and display resolution mode, following the instructions on the screen.

## Shooting still images/movies

Shutter button

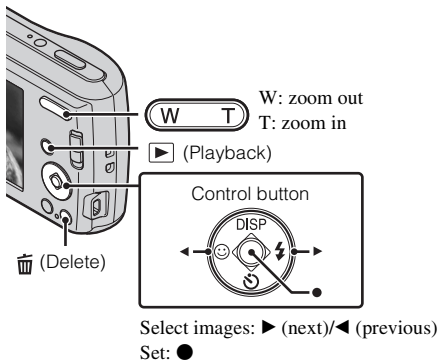W: zoom out
T: zoom in

Mode switch
📷: Still image
📹: Movie

**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.

## Viewing images



W: zoom out
T: zoom in

▶ (Playback)

Control button

DISP

Select images: ▶ (next)/◀ (previous)
Set: ●

Ⅲ (Delete)

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.
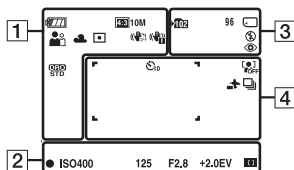
### ∎ Deleting an image

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

### ∎ Returning to shooting images

Press the shutter button halfway down.

## List of icons displayed on the screen (When shooting still images)



1

| Display | Indication |
|---------|------------|
| 🔋 | Battery remaining |
| 🔋 | Low battery warning |
| 4:3 10M | Image size |
| 🏂 | Scene Selection |
| i📷 | Shooting mode |
| 🏂 | Scene Recognition icon |
| 🗻 | White balance |
| ▣ | Metering Mode |
| 〽OFF | SteadyShot |
| 〽 | Vibration warning |
| DRO STD | DRO |
| [☺] | Smile Detection Sensitivity indicator |
| W■□T ×1.4 sQ PQ | Zoom scaling |

2

| Display | Indication |
|---------|------------|
| ● | AE/AF lock |
| ISO400 | ISO number |

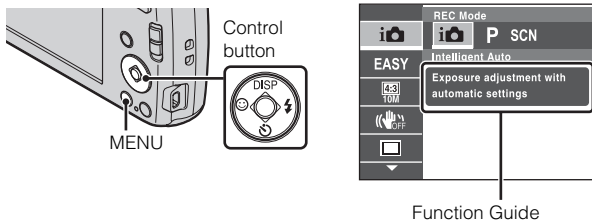| Display | Indication |
|---------|------------|
| 125 | Shutter speed |
| F2.8 | Aperture value |
| +2.0EV | Exposure Value |
| [] | AF range finder frame indicator |

3

| Display | Indication |
|---------|------------|
| 📁102 | Recording folder |
| 96 | Number of recordable images |
| ⎕ | Recording/Playback Media (memory card, internal memory) |
| ⊘ | Flash mode |
| ⊙ | Red-eye reduction |
| ⚡● | Flash charging |

4

| Display | Indication |
|---------|------------|
| ⏱10 | Self-timer |
| [●]OFF | Face Detection |
| ✈ | Destination |
| � | Burst Settings |
| ⌐⌐ | AF range finder frame |
| + | Spot metering cross-hairs |

## 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

MENU

Function Guide

### ▌Control button

DISP (Screen Display Settings): 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.

### ▌Menu Items

#### Shooting

| REC Mode | Select recording mode. |
|---|---|
| Scene Selection | Select pre-set settings to match various scene conditions. |
| Easy Mode | Shoot still images using minimal functions. |
| Shooting Direction | Set the direction to pan the camera when shooting Sweep Panorama images. |
| Image Size | Select the image size for still images, panoramic images or movie files. |
| SteadyShot | Select the anti-blur mode. |
| Burst 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. |
| Smile Detection Sensitivity | Set the Smile Shutter function sensitivity for detecting smiles. |
| Face Detection | The camera detects faces and adjusts various settings automatically. |
| DRO | Set DRO function to correct the brightness and contrast and improve the image quality. |

**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. |
| DPOF | Add a print order mark to a still image. |
| Rotate | Rotate a still image to the left or right. |
| Select Folder | Select a folder which contains the images you want to play back. |

## ▌🧰 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 |
|---|---|
| 🔧 Main Settings | Beep/Language Setting/Function Guide/Display color/Power Save/Initialize/Video Out/USB Connect/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] and [File Number] can be selected.

## 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. 6 MB | 2 GB |
| 10M | 1 | 440 |
| VGA | 35 | 11000 |
| 16:9(7M) | 1 | 520 |

### ▌Movies

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

(Units: hour : minute : second)

| Size \ Capacity | Internal memory | Memory card |
|---|---|---|
| | Approx. 6 MB | 2 GB |
| VGA | 0:00:05 | 0:25:00 |
| QVGA | 0:00:15 | 1:15:00 |

## Notes on using the camera

### Changing the language setting

The screen language setting, press the MENU button, then select
(Settings) → (Main Settings) → [Language Setting].

### 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 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, some tiny black and/or bright dots (white, red, blue or green) may appear on the LCD 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 warm 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, benzine, alcohol, disposable cloths, insect repellent, sunscreen or insecticide.

## Specifications

### Camera

#### [System]

Image device:
6.14 mm (1/2.9 type) color CCD, Primary color filter
Total pixel number of camera:
Approx. 10.3 Megapixels
Effective pixel number of camera:
Approx. 10.1 Megapixels
Lens: 4× zoom lens
f = 4.0 mm – 16.0 mm (28 mm – 112 mm (35 mm film equivalent))
F3.0 (W) – F5.7 (T)
Exposure control: Automatic exposure, Scene Selection (9 modes)
White balance: Automatic, Daylight, Cloudy, Fluorescent 1/2/3, Incandescent, Flash
Recording interval for Burst mode:
Approx. 1.5 second
File format:
Still images: JPEG (DCF Ver. 2.0, Exif Ver. 2.3, MPF Baseline) compliant, DPOF compatible
Movies: AVI (Motion JPEG)
Recording media: Internal Memory (approx. 6 MB), "Memory Stick Duo" media, SD card
Flash: Flash range (ISO sensitivity (Recommended exposure Index) set to Auto):
Approx. 0.5 m to 3.0 m (1 ft 7 3/4 inches to 9 ft 10 1/8 inches) (W)/ approx. 0.5 m to 1.5 m (1 ft 7 3/4 inches to 4 ft 11 1/8 inches) (T)

#### [Input and Output connectors]

●←→ (USB)/A/V OUT terminal:
Video output
Audio output (Monaural)
USB communication
USB communication: Hi-Speed USB (USB 2.0)

#### [LCD screen]

LCD panel:
6.7 cm (2.7 type) TFT drive
Total number of dots: 230 400 (960 × 240) 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): 1.1 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):
99.0 mm × 61.0 mm × 29.3 mm (4 inches × 2 1/2 inches × 1 3/16 inches) (W/H/D)
Mass (CIPA compliant): Approx. 167 g (5.9 oz) (including two batteries and "Memory Stick Duo" media)
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.
- Macintosh is registered trademark of Apple Inc.
- SDHC logo is trademarks of SD-3C, LLC.
- In addition, system and product names used in this manual are, in general, trademarks or registered trademarks of their respective developers or manufacturers. However, the ™ or ® marks are not used in all cases in this manual.

Additional information on this product and answers to frequently asked questions can be found at our Customer Support Website.

http://www.sony.net/

Printed on 70% or more recycled paper using VOC (Volatile Organic Compound)-free vegetable oil based ink.

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