SONY

Digital Still Camera / Instruction Manual	GB
數位照相機 / 使用說明書	CT

Cyber-shot

MEMORY STICK TM InfoLITHIUM H SERIES SD XC CLASS④

AVCHD HDMI

DSC-HX100/HX100V

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-HX100/DSC-HX100V

Serial No. _____

Model No. AC-L200C/AC-L200D

Serial No. _____

WARNING

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

IMPORTANT SAFETY INSTRUCTIONS
-SAVE THESE INSTRUCTIONS
DANGER
TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS

If the shape of the plug does not fit the power outlet, use an attachment plug adaptor of the proper configuration for the power outlet.

Representative plug of power supply cord of countries/regions around the world.

A Type (American Type)	B Type (British Type)	BF Type (British Type)	B3 Type (British Type)	C Type (CEE Type)	SE Type (CEE Type)	O Type (Ocean Type)

The representative supply voltage and plug type are described in this chart.
Depend on an area, Different type of plug and supply voltage are used.
Attention: Power cord meeting demands from each country shall be used.

– For only the United States

Use a UL Listed, 1.5-3 m (5-10 ft.), Type SPT-2 or NISPT-2, AWG no. 18 power supply cord, rated for 125 V 7 A, with a NEMA 1-15P plug rated for 125 V 15 A.

Europe

Countries/regions	Voltage	Frequency (Hz)	Plug type
Austria	230	50	C
Belgium	230	50	C
Czech	220	50	C
Denmark	230	50	C
Finland	230	50	C
France	230	50	C
Germany	230	50	C
Greece	220	50	C
Hungary	220	50	C
Iceland	230	50	C
Ireland	230	50	C/BF
Italy	220	50	C
Luxemburg	230	50	C
Netherlands	230	50	C
Norway	230	50	C
Poland	220	50	C
Portugal	230	50	C
Romania	220	50	C
Russia	220	50	C
Slovak	220	50	C
Spain	127/230	50	C
Sweden	230	50	C
Switzerland	230	50	C
UK	240	50	BF

Asia

Countries/regions	Voltage	Frequency (Hz)	Plug type
China	220	50	A
Hong Kong	200/220	50	BF
India	230/240	50	C

Countries/regions	Voltage	Frequency (Hz)	Plug type
Indonesia	127/230	50	C
Japan	100	50/60	A
Korea (rep)	220	60	C
Malaysia	240	50	BF
Philippines	220/230	60	A/C
Singapore	230	50	BF
Taiwan	110	60	A
Thailand	220	50	C/BF
Vietnam	220	50	A/C

Oceania

Countries/regions	Voltage	Frequency (Hz)	Plug type
Australia	240	50	O
New Zealand	230/240	50	O

North America

Countries/regions	Voltage	Frequency (Hz)	Plug type
Canada	120	60	A
USA	120	60	A

Central America

Countries/regions	Voltage	Frequency (Hz)	Plug type
Bahamas	120/240	60	A
Costa Rica	110	60	A
Cuba	110/220	60	A/C
Dominican (rep)	110	60	A
El Salvador	110	60	A
Guatemala	120	60	A
Honduras	110	60	A
Jamaica	110	50	A
Mexico	120/127	60	A
Nicaragua	120/240	60	A

Countries/regions	Voltage	Frequency (Hz)	Plug type
Panama	110/220	60	A

South America

Countries/regions	Voltage	Frequency (Hz)	Plug type
Argentina	220	50	C/BF/O
Brazil	127/220	60	A/C
Chile	220	50	C
Colombia	120	60	A
Peru	220	60	A/C
Venezuela	120	60	A

Middle East

Countries/regions	Voltage	Frequency (Hz)	Plug type
Iran	220	50	C/BF
Iraq	220	50	C/BF
Israel	230	50	C
Saudi Arabia	127/220	50	A/C/BF
Turkey	220	50	C
UAE	240	50	C/BF

Africa

Countries/regions	Voltage	Frequency (Hz)	Plug type
Algeria	127/220	50	C
Congo (dem)	220	50	C
Egypt	220	50	C
Ethiopia	220	50	C
Kenya	240	50	C/BF
Nigeria	230	50	C/BF
South Africa	220/230	50	C/BF
Tanzania	230	50	C/BF
Tunisia	220	50	C

CAUTION

Battery pack

If the battery pack is mishandled, the battery pack can burst, cause a fire or even chemical burns. Observe the following cautions.

- Do not disassemble.
- Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it.
- Do not short circuit and do not allow metal objects to come into contact with the battery terminals.
- Do not expose to high temperature above 60°C (140°F) such as in direct sunlight or in a car parked in the sun.
- Do not incinerate or dispose of in fire.
- Do not handle damaged or leaking lithium ion batteries.
- Be sure to charge the battery pack using a genuine Sony battery charger or a device that can charge the battery pack.
- Keep the battery pack out of the reach of small children.
- Keep the battery pack dry.
- Replace only with the same or equivalent type recommended by Sony.
- Dispose of used battery packs promptly as described in the instructions.

AC Adaptor

Connect the AC Adaptor to the nearest wall outlet (wall socket).
If some trouble occurs while using the AC Adaptor, immediately shut off the power by disconnecting the plug from the wall outlet (wall socket).

The power cord (mains lead), if supplied, is designed specifically for use with this camera only, and should not be used with other electrical equipment.

For Customers in the U.S.A. and Canada

RECYCLING LITHIUM-ION BATTERIES

Lithium-Ion batteries are recyclable.
You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you.

For more information regarding recycling of rechargeable batteries, call toll free
1-800-822-8837, or visit http://www.rbrc.org/

Caution: Do not handle damaged or leaking Lithium-Ion batteries.

▌Battery pack

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

This Class B digital apparatus complies with Canadian ICES-003.

For Customers in the U.S.A.

UL is an internationally recognized safety organization.
The UL Mark on the product means it has been UL Listed.

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-HX100V
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

$$\epsilon$$

Hereby, Sony Corporation, declares that this DSC-HX100V Digital Still Camera is in compliance with the essential requirements and other relevant provisions of the Directive 1999/5/EC. For details, please access the following URL:
http://www.compliance.sony.de/

❙ 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 regulation 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.

GB

Notice for customers in the United Kingdom

A moulded plug complying with BS 1363 is fitted to this equipment for your safety and convenience.

Should the fuse in the plug supplied need to be replaced, a fuse of the same rating as the supplied one and approved by ASTA or BSI to BS 1362, (i.e., marked with an ⬡ or ▽ mark) must be used.

If the plug supplied with this equipment has a detachable fuse cover, be sure to attach the fuse cover after you change the fuse. Never use the plug without the fuse cover. If you should lose the fuse cover, please contact your nearest Sony service station.

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] folder and copy [eng] folder stored in [User Guide] folder to your computer.

② After copying is complete, double-click "index.html" in [eng] folder.

Checking the supplied items

- Camera (1)
- AC Adaptor AC-L200C/AC-L200D (1)
- Power cord (mains lead) (1)
- Rechargeable battery pack NP-FH50 (1)
- Multi-use terminal USB cable (1)
- Shoulder strap (1)
- Lens cap (1)/Lens cap strap (1)
- CD-ROM (1)
  – Cyber-shot application software
  – "Cyber-shot User Guide"
- Instruction Manual (this manual) (1)

Identifying parts
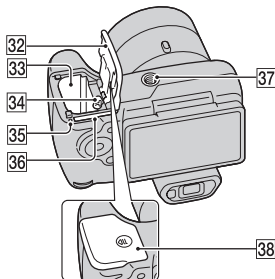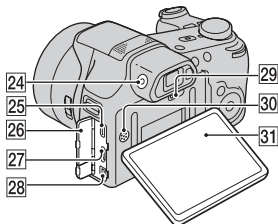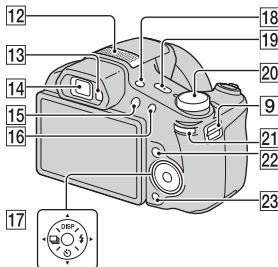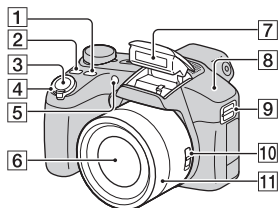
1 FOCUS (Focus) button
2 CUSTOM (Custom) button
   • You can assign a desired function to the CUSTOM button.
3 Shutter button
4 For shooting: W/T (zoom) lever
   For viewing: Q (Playback zoom) lever/ (Index) lever
5 Self-timer lamp/Smile Shutter lamp/AF illuminator
6 Lens
7 Flash
8 GPS sensor (built-in, DSC-HX100V only)
9 Hook for shoulder strap
10 Zoom/Focus switch
11 Manual ring
12 Stereo microphone
13 Eyepiece sensor
14 Viewfinder
15 ▶ (Playback) button
16 MOVIE (Movie) button
17 Control button
18 FINDER/LCD button

19 ON/OFF (Power) button and Power/Charge lamp

20 Mode dial

21 Jog dial

22 MENU button

23 ?/🗑 (In-Camera Guide/Delete) button

24 Finder adjustment dial

25 Multi connector (Type3c)

26 Connector cover

27 HDMI connector

28 DC IN connector

29 RESET button

30 Speaker

31 LCD screen

32 Battery/Memory card cover

33 Battery insertion slot

34 Battery eject lever

35 Access lamp

36 Memory card slot

37 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.

38 ⇗ (TransferJet™) mark

Inserting the battery pack
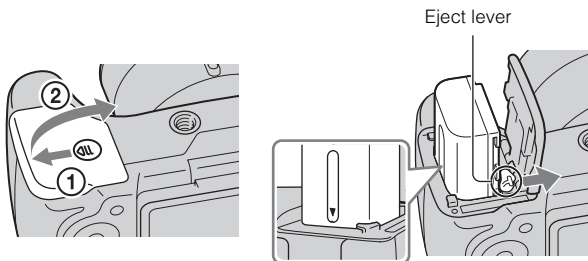
Eject lever

1 Open the cover.

2 Insert the battery pack.
   • While pressing the battery eject lever, insert the battery pack as illustrated. Make sure that the battery eject lever locks after insertion.

Charging the battery pack

DC IN jack

AC Adaptor

Align ▲ marks.

Power cord (Mains lead)

Power/Charge lamp
Lit: Charging
Off: Charging finished
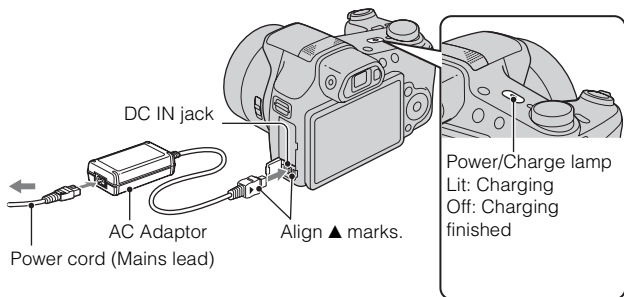
1 Connect the DC IN jack of the camera and the AC Adaptor (supplied). Plug the AC Adaptor into the wall outlet (socket) using the power cord (mains lead) (supplied).

The Power/Charge lamp lights orange, and charging starts.
- Turn off the camera while charging the battery.
- You can charge the battery pack even when it is partially charged.

Notes

- When the Power/Charge lamp on the camera does not lit even if the AC Adaptor is connected to the camera and the wall outlet (wall socket), it indicates that the charging stops temporarily on standby. The charging stops and enters the standby status automatically when the temperature is outside of the recommended operating temperature. When the temperature gets back within the appropriate range, the charging resumes. We recommend charging the battery pack in an ambient temperature of between 10°C to 30°C (50ºF to 86ºF).
- Connect the AC Adaptor (supplied) to the nearest wall outlet (wall socket). If any malfunctions occur while using the AC Adaptor, disconnect the plug from the wall outlet (wall socket) immediately to disconnect the power source.
- When charging is finished, disconnect the AC Adaptor from the wall outlet (wall socket).
- Be sure to use only genuine Sony brand battery packs, power cord (mains lead) and AC Adaptor (supplied).

▌Charging time

The charging time is approximately 100 min. using the AC Adaptor (supplied).

Note

- The above charging time applies when charging a fully depleted battery pack at a temperature of 25°C (77°F). Charging may take longer depending on conditions of use and circumstances.

▊Battery life and number of images you can record and view

		Battery life	Number of images
Shooting still images	LCD screen	Approx. 205 min.	Approx. 410 images
	Viewfinder	Approx. 220 min.	Approx. 440 images
Shooting movies	LCD screen	Approx. 120 min.	–
	Viewfinder	Approx. 130 min.	–
Viewing still images		Approx. 290 min.	Approx. 5800 images

Notes

- The above number of images applies when the battery pack is fully charged. The number of images may decrease depending on the conditions of use.
- The number of images that can be recorded is for shooting under the following conditions:
  – Using Sony "Memory Stick PRO Duo" (Mark2) media (sold separately)
  – The battery pack is used at an ambient temperature of 25°C (77°F).
  – [GPS setting] is set to [Off] (DSC-HX100V only).
- The number for "Shooting still images" is based on the CIPA standard, and is for shooting under the following conditions:
  (CIPA: Camera & Imaging Products Association)
  – DISP (Display Setting) is set to [ON].
  – 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 applies shooting under the following conditions:
  – Movie quality: AVC HD HQ
  – When continuous shooting ends because of set limits (page 27), press the MOVIE (Movie) button again and continue shooting. Shooting functions such as the zoom do not operate.

▊Supplying power

You can connect the AC adaptor (supplied) to power the camera from an wall outlet (wall socket). This way, there is no need to worry about draining the battery when shooting over extended periods or when the camera is connected to a TV or computer.
Shooting and playback is possible without a battery pack in the camera.

Inserting a memory card (sold separately)
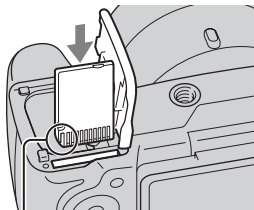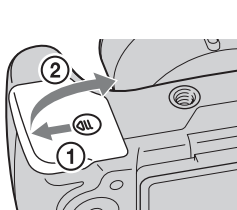
Ensure the notched corner faces correctly.

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 Close the cover.
• Closing the cover with the battery inserted incorrectly may damage the camera.

▌Memory cards that you can use

	Memory card	For still images	For movies
A	Memory Stick PRO Duo	○	○ (Mark2 only)
	Memory Stick PRO-HG Duo	○	○
	Memory Stick Duo	○	—
B	SD memory card	○	○ (Class 4 or faster)
	SDHC memory card	○	○ (Class 4 or faster)
	SDXC memory card	○	○ (Class 4 or faster)

• In this manual, products in A are collectively referred to as "Memory Stick Duo" media, and products in B are collectively referred to as SD card.

■ To remove the memory card/battery pack

Memory card: Push the memory card in once.

Battery pack: Slide the battery eject lever. Be sure not to drop the battery pack.

Note

• Never remove the memory card/battery pack when the access lamp (page 12) is lit. This may cause damage to data in the memory card/internal memory.

Setting the clock

ON/OFF (Power) button and Power/Charge lamp

Control button

Select items: ▲/▼/◄/►
Set: ●
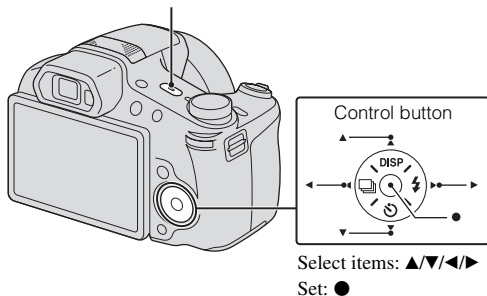
1 Press the ON/OFF (Power) button.

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 Select a desired language.

3 Select the desired area following the instructions on the screen, then press ●.

4 Set [Date & Time Format], [Daylight Savings] or [Summer Time] and [Date & Time], then select [OK] → [OK].

• Midnight is indicated as 12:00 AM, and noon as 12:00 PM.

5 Select the desired display color and the GPS setting (DSC-HX100V only), following the instructions on the screen.
   • The battery pack will run out quickly if you set [GPS setting] to [On] (DSC-HX100V only).

6 When an [In-Camera Guide] introductory message is appeared on the screen, select [OK].

Shooting still images/movies

W: zoom out
T: zoom in

Shutter button

Mode dial

iᐃ: Intelligent Auto

艹: Movie Mode
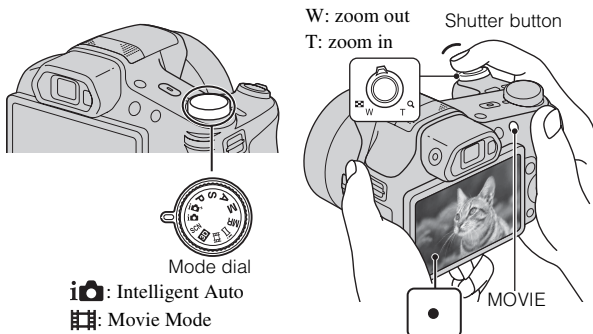
MOVIE

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 MOVIE (Movie) button to start recording.
• Use the W/T (zoom) lever to change the zoom scale.

2 Press the MOVIE button again to stop recording.

Notes

• If you use the zoom function while shooting a movie, the sounds of the lens moving and the lever, jog dial, and manual ring being operated will be recorded. The sound of the MOVIE button operating may also be recorded when movie recording is finished.

• Continuous shooting is possible for approximately 29 minutes at one time at the camera's default settings and when the temperature is approximately 25°C (77°F). When movie recording is finished, you can restart recording by pressing the MOVIE button again. Recording may stop to protect the camera depending on the ambient temperature.

Viewing images

Jog dial

W: zoom out
T: zoom in

Control button

DISP

Select images: ▶ (next)/◀ (previous) or turn the jog dial

Set: ●

▶ (Playback)

?/🗑 (Delete)
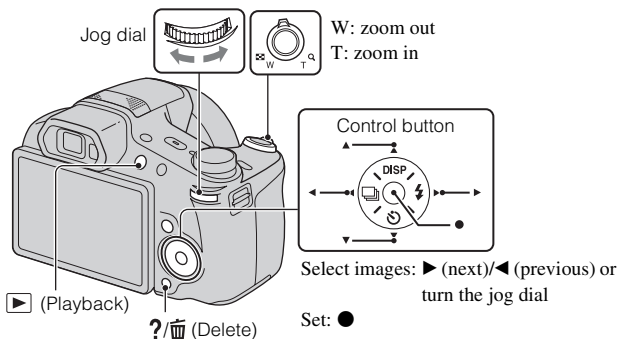
1 Press the ▶ (Playback) button.

• When images on a memory card recorded with other cameras are played back on this camera, the registration screen for the data file appears.

▮ Selecting next/previous image

Select an image by pressing ▶ (next)/◀ (previous) on the control button or by turning the jog dial. 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.

?/🗑 (In-Camera Guide)

In-Camera Guide

Shoot/ playback guide	Icon guide
Troubleshooting	Objective guide
Keyword	History

◉ OK   ◄❖► MOVE   ? EXIT
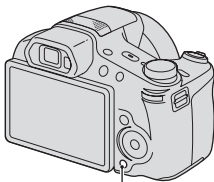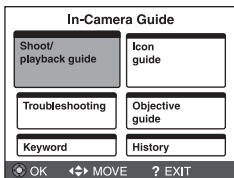
1 **Press the ?/🗑 (In-Camera Guide) button.**
   • When viewing images, [Delete/In-Camera Guide] is displayed. Select [In-Camera Guide].

2 **Select a search method from [In-Camera Guide].**
   Shoot/ playback guide: Search for various operation functions in shooting/viewing mode.
   Icon guide: Search the function and meaning of displayed icons.
   Troubleshooting: Search common problems and their solution.
   Objective guide: Search functions according to your needs.
   Keyword: Search functions by key words.
   History: Display the last 12 items displayed in [In-Camera Guide].

Introduction of other functions

Other functions used when shooting or playing back can be operated using the control button, the jog dial 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.

Jog dial

MENU   Control button

EASY

Still Image Size

| 4:3 10M | 4:3 16M | 4:3 10M | 4:3 5M | 4:3 VGA | ▶ |

10M
For prints up to A3+(13x19")

Function Guide
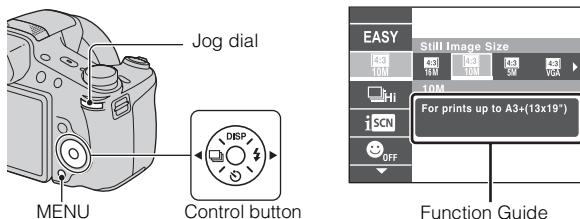
▌Control button

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

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

🔲ᵢ (Burst Settings): Allows you to use the burst shooting mode.

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

▌Jog dial

You can use the jog dial to change the following setting values:
– ISO speed
– Shutter speed
– Aperture value (F value)
– EV
• You may not be able to change the setting values depending on the shooting mode.

Press the jog dial to select an item.

Turn the jog dial to select the setting value.
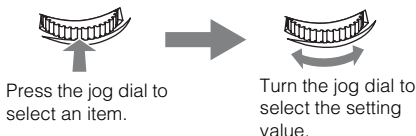
In playback mode, you can turn the jog dial to view the next or previous image.

❚ Menu Items

Shooting

Movie shooting scene	Select movie recording mode.
3D Shooting	Select the 3D image shooting mode.
Scene Selection	Select pre-set settings to match various scene conditions.
Memory recall mode	Select a setting you want to recall when the mode dial is set to [Memory recall mode].
Easy Mode	Shoot still images using minimal functions.
Defocus Effect	Set the level of background defocus effect when shooting in Background Defocus mode.
Still Image Size/ Panorama Image Size/Movie Size/ Movie Quality	Select the image size and the quality for still images, panoramic images or movie files.
White Balance	Adjust color tones of an image.
White Balance Shift	Adjust color tones according to the adjusted value set based on the selected White Balance tone.
ND Filter	Turn the internal ND filter on or off.
Metering Mode	Select the metering mode that sets which part of the subject to measure to determine the exposure.
Burst Shooting Interval	Select the number of images taken per second for Burst shooting.
Bracket Setting	Set the type of the bracket shooting.
Scene Recognition	Set to automatically detect shooting conditions.
Soft Skin Effect	Set the Soft Skin Effect and the effect level.
Smile Shutter	Set to the camera automatically release the shutter when a smile is detected.
Smile Detection Sensitivity	Set the Smile Shutter function sensitivity for detecting smiles.
Face Detection	Select to detect faces and adjust various settings automatically.
Flash Level	Adjust the amount of flash light.

Color Mode	Select the vividness of the image, accompanied by effects.
Color Saturation	Adjust the vividness of the image.
Contrast	Adjust the contrast of the image.
Sharpness	Adjust the sharpness of the image.
Noise Reduction	Adjust the image resolution and the noise balance.
Anti Blink	Set to automatically shoot two images and select image in which the eyes are not blinking.
Movie SteadyShot	Set the strength of SteadyShot in Movie Mode.
Position Information*	Check triangulating status.
Register Setting	Register the desired modes or camera settings.
In-Camera Guide	Search the camera's functions according to your needs.

* DSC-HX100V only

Viewing

Slideshow	Select a method of continuous playback.
3D Viewing	Set to play back images shot in 3D mode on a 3D TV.
Send by TransferJet	Transfer data by closely aligning two products equipped with TransferJet.
View Mode	Select the display format for images.
Display Burst Group	Select to display burst images in groups or display all images during 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 or right.
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	Movie format/AF Illuminator/Grid Line/Digital Zoom/Wind Noise Reduct./Red Eye Reduction/Blink Alert/Write Date/Custom Button
🔧 Main Settings	Beep/Panel Brightness/Language Setting/Display color/Demo Mode/Initialize/Function Guide/HDMI Resolution/CTRL FOR HDMI/USB Connect Setting/LUN Setting/Download Music/Empty Music/GPS setting[*1]/GPS assist data[*1]/TransferJet/Eye-Fi/Power Save
▭ Memory Card Tool[*2]	Format/Create REC.Folder/Change REC.Folder/Delete REC.Folder/Copy/File Number
🕐 Clock Settings	Area Setting/Date & Time Setting/Auto Clock ADJ[*1]/Auto Area ADJ[*1]

[*1]DSC-HX100V only

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

Capacity / Size	Internal memory Approx. 19 MB	Memory card 2 GB
16M	3	335
VGA	98	9600
16:9(12M)	3	355

▌Movies

The table below shows the approximate maximum recording times. These are the total times for all movie files. Continuous shooting is possible for approximately 29 minutes. The maximum size of an MP4-format movie file is up to approximately 2 GB.

(h (hour), m (minute))

Capacity / Size	Internal memory Approx. 19 MB	Memory card 2 GB
AVC HD 28M (PS)	—	9 m (9 m)
AVC HD 24M (FX)	—	10 m (10 m)
AVC HD 9M (HQ)	—	25 m (15 m)
MP4 12M	—	20 m
MP4 3M	—	1 h 10 m

The number in ( ) is the minimum recordable time.

• The recordable time of movies varies because the camera is equipped with VBR (Variable Bit Rate), which automatically adjusts image quality depending on the shooting scene. When you record a fast-moving subject, the image is clearer but the recordable time is shorter because more memory is required for recording. The recordable time also varies depending on the shooting conditions, the subject or the image quality/size settings.

Notes on using the camera

Functions built into this camera

- This manual describes each of the functions of TransferJet compatible/ incompatible devices, 1080 60i-compatible devices and 1080 50i-compatible devices.
  - To determine whether your camera supports the GPS function, check the model name of your camera.
    GPS-compatible: DSC-HX100V
    GPS-incompatible: DSC-HX100
  - To check if your camera supports the TransferJet function, and whether it is a 1080 60i-compatible device or 1080 50i-compatible device, check for the following marks on the bottom of the camera.
    TransferJet-compatible device: ≯ (TransferJet)
    1080 60i-compatible device: 60i
    1080 50i-compatible device: 50i
- This camera is compatible with 1080 60p or 50p-format movies. Unlike standard recording modes up to now, which record in an interlacing method, this camera records using a progressive method. This increases the resolution, and provides a smoother, more realistic image.
- In an airplane, make sure to turn off the camera following cabin announcements.
- Do not watch 3D images shot with this camera for extended periods of time on 3D-compatible monitors.
- When you view 3D images shot with this camera on a 3D-compatible monitor, you may experience discomfort in the form of eye strain, fatigue, or nausea. To prevent these symptoms, we recommend that you take regular breaks. However, you need to determine for yourself the length and frequency of breaks you require, as they vary according to the individual. If you experience any type of discomfort, stop viewing the 3D images until you feel better, and consult a physician as necessary. Also refer to the operating instructions supplied with the device or software you have connected or are using with this camera. Note that a child's eyesight is still at the development stage (particularly children below the age of 6). Consult a pediatrician or ophthalmologist before letting your child view 3D images, and make sure he/she observes the above precautions when viewing such images.

On GPS-compatible devices (DSC-HX100V only)

- Use GPS in accordance with regulations of countries and regions where you use it.
- If you do not record the direction or location information, set [GPS setting] to [Off].

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.

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 hot due to continuous use, but it is not a malfunction.

On the overheat protection

Depending on the camera and battery temperature, you may be unable to record movies or the power may turn off automatically to protect the camera.

A message will be displayed on the LCD screen before the power turns off or you can no longer record movies. In this case, leave the power off and wait until the camera and battery temperature goes down. If you turn on the power without letting the camera and battery cool enough, the power may turn off again or you may be unable to record movies.

On charging the battery

If you charge a battery that has not been used for a long time, you may be unable to charge it to the proper capacity.

This is due to the battery characteristics, and is not a malfunction. Charge the battery again.

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: 7.77 mm (1/2.3 type)
    Exmor R CMOS sensor
Total pixel number of camera:
    Approx. 16.8 Megapixels
Effective pixel number of camera:
    Approx. 16.2 Megapixels
Lens: Carl Zeiss Vario-Sonnar T* 30×
    zoom lens
    f = 4.8 mm – 144 mm (27 mm –
    810 mm (35 mm film equivalent))
    F2.8 (W) – F5.6 (T)
    While shooting movies (16:9):
    29 mm – 870 mm*
    While shooting movies (4:3):
    36 mm – 1080 mm*
* when [Movie SteadyShot] is set to
    [Standard]
SteadyShot: Optical
Exposure control: Automatic exposure,
    Shutter priority, Aperture priority,
    Manual exposure, Scene Selection
    (16 modes)
White balance: Automatic, Daylight,
    Cloudy, Fluorescent 1/2/3,
    Incandescent, Flash, One Push,
    White Balance Shift
Signal format:
    For 1080/50i, 1080/50p:
    PAL color, CCIR standards HDTV
    1080/50i specification
    For 1080/60i, 1080/60p:
    NTSC color, EIA standards HDTV
    1080/60i specification

File format:
    Still images: JPEG (DCF Ver. 2.0,
    Exif Ver. 2.3, MPF Baseline)
    compliant, DPOF compatible
    3D still images: MPO (MPF
    Extended (Disparity Image))
    compliant
    Movies (AVCHD view):
    AVCHD format Ver. 2.0
    compatible
    Video: MPEG-4 AVC/H.264
    Audio: Dolby Digital 2ch,
    equipped with Dolby Digital Stereo
    Creator
    • Manufactured under license from
      Dolby Laboratories.
    Movies (MP4 view):
    MP4 format
    Video: MPEG-4 AVC/H.264
    Audio: MPEG-4 AAC-LC 2ch
Recording media: Internal Memory
    (Approx. 19 MB), "Memory Stick
    Duo" media, SD cards
Flash: Flash range (ISO sensitivity
    (Recommended Exposure Index)
    set to Auto):
    Approx. 0.3 m to 12.7 m
    (11 7/8 inches to 41 feet 8 inches)
    (W)/
    Approx. 2 m to 5.9 m
    (6 feet 6 3/4 inches to 19 feet
    4 3/8 inches) (T)

[Input and Output connectors]

HDMI connector: HDMI mini jack
Multi connector: Type3c
    (AV-out/USB):
    Video output
    Audio output (Stereo)
    USB communication
USB communication: Hi-Speed USB
    (USB 2.0)

[LCD screen]

LCD panel: 7.5 cm (3.0 type) TFT
    drive
Total number of dots: 921 600 (640 × 3
    (RGB) × 480) dots

[Power, general]

Power: Rechargeable battery pack
    NP-FH50, 6.8 V
    AC Adaptor AC-L200C/AC-
    L200D (supplied), 8.4 V
Power consumption:
    1.3 W (during shooting with the
    LCD screen)
    1.2 W (during shooting with the
    viewfinder)
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):
    121.6 mm × 86.6 mm × 93.1 mm
    (4 7/8 inches × 3 1/2 inches ×
    3 3/4 inches)
    (W/H/D)
Mass (CIPA compliant) (including NP-
    FH50 battery pack, "Memory Stick
    Duo" media):
    Approx. 577 g (1 lb 4.4 oz)
Microphone: Stereo
Speaker: Monaural
Exif Print: Compatible
PRINT Image Matching III:
    Compatible

AC Adaptor AC-L200C/AC-L200D

Power requirements: AC 100 V to
    240 V, 50 Hz/60 Hz
Power consumption: 18 W
Output voltage: DC 8.4 V*
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:
    Approx. 48 mm × 29 mm × 81 mm
    (1 15/16 inches × 1 3/16 inches ×
    3 1/4 inches) (W/H/D)
Mass:
    Approx. 170 g (6.0 oz) (excluding
    the power cord (mains lead))
* See the label on the AC Adaptor for
   other specifications.

Rechargeable battery pack NP-FH50

Used battery: Lithium-ion battery
Maximum voltage: DC 8.4 V
Nominal voltage: DC 6.8 V
Maximum charge voltage: DC 8.4 V
Maximum charge current: 1.7 A
Capacity:
    typical: 6.1 Wh (900 mAh)
    minimum: 5.9 Wh (870 mAh)

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.
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- 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.

Works with PlayStation®3

- Add further enjoyment with your PlayStation 3 by downloading the application for PlayStation 3 from PlayStation Store (where available.)
- The application for PlayStation 3 requires PlayStation Network account and application download. Accessible in areas where the PlayStation Store is available.

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.

GB

警告

為減少發生火災或電擊的危險，請勿讓本機暴露於雨中或受潮。

重要的安全指示
－請保存這些指示危險
為了降低火災或電擊的危險，請小心遵守
這些指示

如果插頭的形狀與電源插座不合，請使用適合電源插座的插頭轉接頭。

注意

▍電池組

如果電池組處理不當，電池組可能會爆炸，造成火災，甚至化學灼傷。請遵循以下注意事項。

- 切勿拆解。
- 切勿擠壓，撞擊電池組或對電池組用力過度，如敲擊，跌落或踩踏在電池組上。
- 切勿短路或讓金屬物品接觸到電池端子。
- 切勿暴露在超過 60 ℃的高溫下，例如直射陽光下，或停在太陽下的汽車內。
- 切勿焚化或丟棄在火中。
- 切勿處理損壞或洩漏的鋰離子電池。
- 務必使用 Sony 原廠的充電器或可對電池組充電的裝置來為電池組充電。
- 電池組應放在幼兒不易觸及的地方。
- 使電池組保持乾燥。
- 請僅使用與 Sony 建議的相同或相等的電池類型進行更換。
- 請依照說明書中的說明正確丟棄舊電池組。

▍電源適配器

將電源適配器連接到附近的牆上電源插座。如果使用電源適配器時發生某些問題，請立即中斷插頭與牆上電源插座的連接，以關閉電源。

如果附帶電源線，則該電源線專為本相機設計，不能用於其他電子設備。

注意

本產品已經過測試並確定符合 EMC 規定中所提出的使用連接電纜不得超過
3 公尺的限制。

注意

特定頻率的電磁場可能會影響此機的畫面和聲音。

通知

如果靜電或電磁導致資料傳送中斷 （失敗），請重新啟動應用程式或斷開連
接，並重新連接通信電纜 （USB 等）。

<div align="center">

僅適用於台灣

廢電池請回收

</div>

附屬電纜上附有鐵芯時的注意事項：USB 電纜或 A/V 連接電纜或電源適配器
之 DC 輸出線上的一個鐵芯係抑制電磁波干擾用，請勿任意拆卸。

請參考所附的 CD-ROM 中的 "Cyber-shot 使用者指南" (HTML)

關於進階操作的詳細資訊，請用電腦閱讀 CD-ROM (附件)上的
"Cyber-shot 使用者指南" (HTML)。

 — 將 CD-ROM 插入 CD-ROM 光碟機。

Windows 用戶：
① 按一下 [使用者指南] → [安裝]。
② 從桌面上的捷徑啟動 "使用者指南"。

Macintosh 用戶：
① 選擇 [使用者指南] 資料夾，並將儲存於 [使用者指南] 資料夾中
的 [ct] 資料夾複製到您的電腦。
② 複製完成之後，連按兩下 [ct] 資料夾中的 "index.html"。

檢查附件

- 相機 (1)
- 電源適配器 AC-L200C/AC-L200D (1)
- 電源線 (1)
- 充電電池 NP-FH50 (1)
- 多功能端子 USB 電纜 (1)
- 肩帶 (1)
- 鏡頭蓋 (1) / 鏡頭蓋繩 (1)
- CD-ROM (1)
  - Cyber-shot 應用軟體
  - "Cyber-shot 使用者指南"
- 使用說明書 (本說明書) (1)

認識各部件
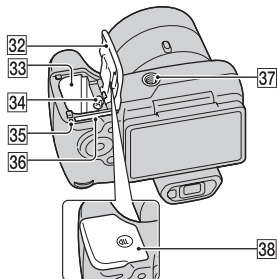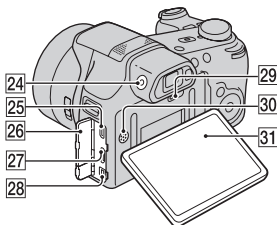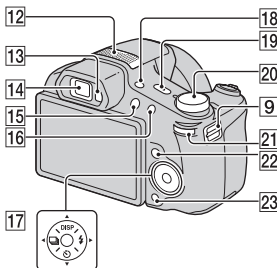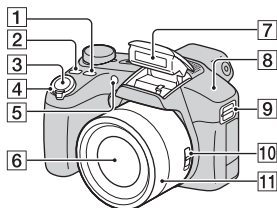
1. FOCUS (對焦) 按鈕
2. CUSTOM (自訂) 按鈕
   - 您可以將所需的功能指定給 CUSTOM 按鈕。
3. 快門按鈕
4. 用來拍攝：W/T (變焦) 桿
   用來觀看：Q (播放變焦) 桿
   / ▣ (索引) 桿
5. 自拍定時器指示燈 / 微笑快門指示燈 /AF 照明器
6. 鏡頭
7. 閃光燈
8. GPS 感應器 (內建，僅限 DSC-HX100V)
9. 肩帶掛勾
10. 變焦 / 對焦開關
11. 手動對焦環
12. 立體聲麥克風
13. 目鏡感應器
14. 取景器
15. ▶ (播放) 按鈕
16. MOVIE (動態影像) 按鈕
17. 控制按鈕
18. FINDER/LCD 按鈕

19 ON/OFF （電源）按鈕及電源 /
   充電指示燈
20 模式轉盤
21 旋鈕
22 MENU 按鈕
23 ?/🗑（相機指南 / 刪除）按鈕
24 取景器調整旋鈕
25 多功能接頭 （Type3c）
26 接頭蓋
27 HDMI 接頭
28 DC IN 接頭
29 RESET 按鈕
30 揚聲器
31 LCD 螢屏
32 電池 / 記憶卡蓋子
33 電池插槽
34 電池退出桿
35 存取指示燈
36 記憶卡插槽
37 三腳架安裝孔
   • 請使用螺絲長度不超過 5.5 公
     釐的三腳架。否則無法將相機
     牢靠地固定住，而且可能會對
     相機造成損壞。
38 ▰ （TransferJet™）標記

插入電池

退出桿
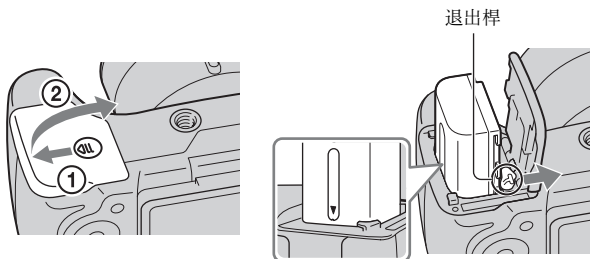
1 打開蓋子。

2 插入電池。
- 如圖所示，在按住電池退出桿的同時將電池插入。確認電池退出桿在插入後有鎖定。

為電池充電

DC IN 插孔

電源 / 充電指示燈
點亮：充電
關閉：充電完成

電源適配器　　對準 ▲ 標記。

電源線
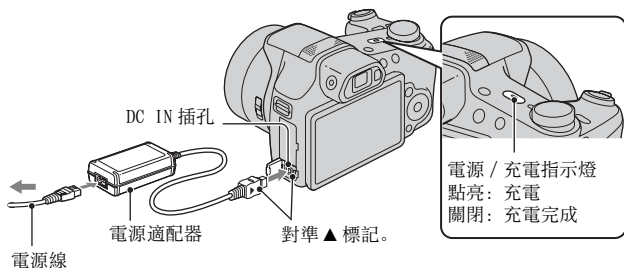
1 將相機的 DC IN 插孔接上電源適配器 (附件)。使用電源線 (附件) 將電源適配器插入牆上的插座。

電源 / 充電指示燈點亮橘色的燈，充電開始。
- 為電池充電時關閉相機。
- 即使電力沒有完全放光，也可以為電池充電。

- 如果即使將電源適配器連接到相機和牆上的電源插座上，相機上的電源 / 充電指示燈也不會亮，表示已經往待機而暫停止充電。溫度超出建議的操作溫度時，會停止充電，並自動進入待機狀態。溫度回到適當的範圍內時，會恢復充電。建議您在 10 ℃至 30 ℃的環境溫度下對電池充電。
- 將電源適配器 （附件）連接到最近的牆上電源插座。使用電源適配器時若發生任何故障，立即將插頭從牆上的電源插座拔掉，以中斷電源。
- 充電完成時，將電源適配器從牆上的電源插座拔掉。
- 請務必只使用 Sony 原廠電池組、電源線及電源適配器 （附件）。

▍充電時間

使用電源適配器 （附件）時的充電時間大約 100 分鐘。

附註

- 上述充電時間適用於在 25 ℃的溫度下為放完電的電池充電的情況。充電可能因為使用情況或環境而需要長一點的時間。

▍電池使用時間和可以記錄與觀看的影像數目

		電池使用時間	影像數目
拍攝靜態影像	LCD 螢屏	約 205 分	約 410 個影像
	觀景窗	約 220 分	約 440 個影像
拍攝動態影像	LCD 螢屏	約 120 分	-
	觀景窗	約 130 分	-
觀看靜態影像		約 290 分	約 5800 個影像

附註

- 上述影像數目適用於電池充滿電的情況。視使用情況而定，影像的數目可能會減少。
- 可以記錄的影像數目是在下列情況下拍攝的：
  - 使用 Sony "Memory Stick PRO Duo" （Mark2） （另售）
  - 在周邊溫度為 25 ℃時使用電池。
  - [GPS 設定] 設定為 [關] （僅限 DSC-HX100V）。
- "拍攝靜態影像"的數目以 CIPA 標準為根據，在下列情況下進行拍攝：
  （CIPA: Camera & Imaging Products Association）
  - DISP （顯示設定）設定為 [開]。
  - 每 30 秒鐘拍一張。
  - 變焦在 W 和 T 端交替轉換。
  - 每拍攝兩次閃光燈閃光一次。
  - 每拍攝十次打開和關閉電源一次。

- 動態影像的電池使用時間適用於下列拍攝情況:
  – 動態影像的畫質: AVC HD HQ
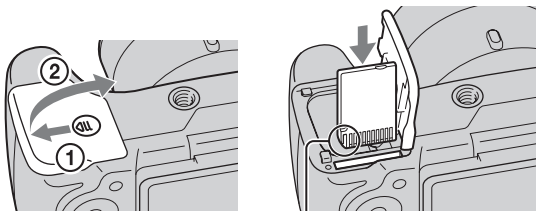 – 連續拍攝因為設定限制而結束時 (第 18 頁),再度按下 MOVIE (動態影像)按鈕並繼續拍攝。不使用變焦之類的拍攝功能。

■ 供電

您可以連接電源適配器 (附件),從牆上的插座 (牆上插孔)開啟相機電源。如此一來,即使拍攝超時或當相機連接至電視或電腦時,皆無須擔心電池電量不足。
即使相機未安裝電池組,也仍可進行拍攝及播放。

插入記憶卡 (另售)

確認缺角那頭朝向正確的方向。

1 打開蓋子。

2 插入記憶卡 (另售)。
- 缺角那頭朝向圖示方向,將記憶卡插入到卡入定位為止。

3 關上蓋子。
- 電池插入不正確時關上電池蓋可能會損壞相機。

■ 您可以使用的記憶卡

	記憶卡	適用於靜態影像	適用於動態影像
A	Memory Stick PRO Duo	○	○ （僅限 Mark2）
	Memory Stick PRO-HG Duo	○	○
	Memory Stick Duo	○	—
B	SD 記憶卡	○	○ （Class 4 以上）
	SDHC 記憶卡	○	○ （Class 4 以上）
	SDXC 記憶卡	○	○ （Class 4 以上）

• 在本說明書中，A 中的產品統稱為 "Memory Stick Duo"，而 B 中的產品則統稱為 SD 卡。

■ 若要取出記憶卡／電池

記憶卡：將記憶卡往裡壓一下。
電池：推動電池退出桿。小心不要讓電池掉落地上。

附註

• 存取指示燈（第 5 頁）點亮時切勿取出記憶卡／電池。這樣可能會對記憶卡／內部記憶體中的資料造成損壞。

設定時鐘

ON/OFF （電源）按鈕及電源／充電指示燈

控制按鈕

選擇項目：▲/▼/◀/▶
設定：●
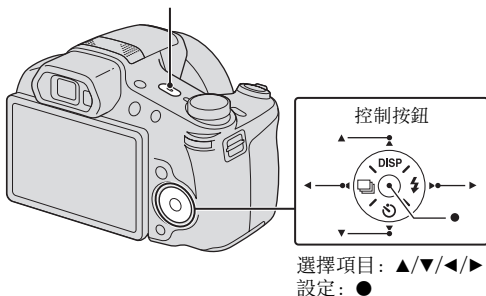
1 按 ON/OFF （電源）按鈕。

日期與時間設定會在您首次按 ON/OFF （電源）按鈕時顯示出來。
• 可能需要一點時間才能開啟電源並進行操作。

2 選擇要使用的語言。

3 按照螢幕上的指示選擇您要的地區，然後按 ●。

4 設定 [日期時間格式]、[夏令時間] 和 [日期時間]，然後選擇 [OK] → [OK]。

• 午夜會顯示為 12:00 AM，而正午則是 12:00 PM。

5 按照螢幕上的指示，選擇您要的顯示顏色與 GPS 設定（僅限 DSC-HX100V）。

• 如果將 [GPS 設定] 設定為 [開]（僅限 DSC-HX100V），電池電力會消耗得很快。

6 [相機指南] 簡介訊息出現在螢幕上時，選擇 [OK]。

拍攝靜態影像 / 動態影像

W：縮小
T：放大

快門按鈕

模式轉盤
i📷：智慧式自動
🎬：動態影像模式
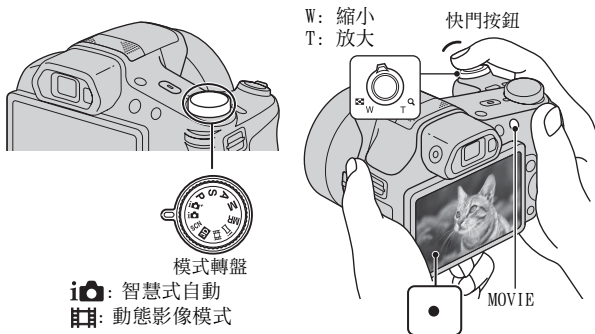
MOVIE

拍攝靜態影像

1 將快門按鈕按下一半以便對焦。
影像合焦時，會發出嗶聲，而且 ● 指示會點亮。

2 完全按下快門按鈕。

拍攝動態影像

1 按下 MOVIE （動態影像）按鈕開始記錄。
• 用 W/T （變焦）桿變更變焦比率。

2 再度按下 MOVIE 按鈕停止記錄。

附註

• 若在拍攝影片時使用變焦功能，將會錄下鏡頭移動的聲音，以及操作滑桿、操控轉盤及手動轉環的聲音。動態影像記錄完成時，MOVIE 按鈕的運作聲音也可能會被記錄下來。
• 在 25 ℃左右的溫度下，以相機的預設設定拍攝時，一次可以連續拍攝大約 29 分鐘。動態影像記錄完成時，可以再按一下 MOVIE 按鈕以重新開始記錄。視周遭溫度而定，記錄可能會停止以保護相機。

觀看影像

操控轉盤

W: 縮小
T: 放大

控制按鈕

DISP

選取影像：▶ （下一張）/◀ （上一張）或旋轉操控轉盤

設定：●

▶ （播放）

?/🗑 (刪除)
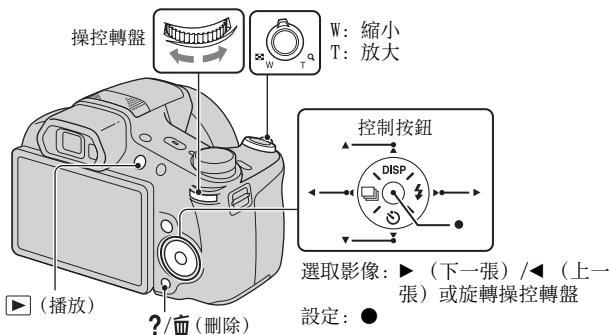
1 按▶ （播放）按鈕。

• 在本相機上播放以其他相機記錄在記憶卡上的影像時，會出現資料檔案的登記畫面。

▌選擇下一個／上一個影像

按控制按鈕上的 ▶ （下一張）/◀ （上一張）或旋轉操控轉盤，可以選取影像。按控制按鈕中央的 ● 以觀看動態影像。

▌刪除影像
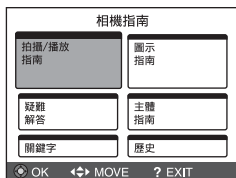
① 按?/🗑 （刪除）按鈕。
② 用控制按鈕上的 ▲ 選擇 ［這個影像］，然後按 ●。

▌恢復拍攝影像

將快門按鈕按下一半。

相機指南

本相機含有內建功能指南。這樣您便可以根據需要搜尋相機的功能。

?/面（相機指南）

相機指南	
拍攝/播放指南	圖示指南
疑難解答	主體指南
關鍵字	歷史

● OK　◀♦▶ MOVE　? EXIT
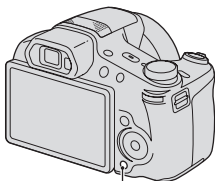
1 按?/面（相機指南）按鈕。

- 檢視影像時，［刪除/相機指南］會顯示出來。選擇［相機指南］。

2 從［相機指南］選擇一個搜尋方法。

拍攝/播放指南：搜尋拍攝/檢視模式中的各種操作功能。
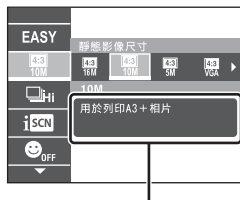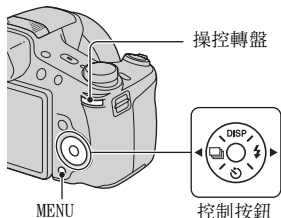**圖示指南**：搜尋顯示圖示的功能與意義。
疑難解答：搜尋常見問題及其解決方法。
主體指南：根據需要搜尋功能。
關鍵字：以關鍵字搜尋功能。
歷史：將［相機指南］中顯示的最後 12 個項目顯示出來。

其他功能簡介

您也可以在拍攝或播放時，使用控制按鈕、操控轉盤或相機上的 MENU 按鈕操作其他功能。本相機備有功能指南，可以讓您輕鬆地選擇功能。顯示指南時，試用其他功能。

操控轉盤

MENU

控制按鈕

EASY	靜態影像尺寸				
4:3 10M	4:3 16M	4:3 10M	4:3 5M	4:3 VGA	▶
🗗Hi	10M				
iSCN	用於列印A3＋相片				
😊OFF					
▼					

功能指南

▌控制按鈕

DISP （顯示設定）: 讓您變更螢幕顯示。
ॐ（自拍定時器）: 讓您使用自拍定時器。
⊡（連拍設定）: 讓您使用連拍模式。
✦（閃光燈）: 讓您選擇靜態影像的閃光燈模式。

▌操控轉盤

您可以用旋鈕變更下列設定值:
- ISO 值
- 快門速度
- 光圈值 （F 值）
- EV
• 您可能無法變更設定值，視拍攝模式而定。

按操控轉盤可選取　　　　旋轉操控轉盤可選
項目。　　　　　　　　　取設定值。

在播放模式中旋轉操控轉盤，可以檢視下一張或上一張影像。

▌功能表項目

拍攝

動態影像拍攝場景	選擇動態影像的記錄模式。
3D 攝影	選擇 3D 影像拍攝模式。
場景選擇	選擇預設的設定以便與各種場景條件配合。
記憶恢復模式	模式轉盤設定為 [記憶恢復模式] 時，選擇一個要恢復的設定。
簡單模式	用最少的功能拍攝靜態影像。
散焦效果	以背景散焦模式拍攝時，設定背景散焦效果的等級。
靜態影像尺寸 / 全景影像大小 / 動態影像尺寸 / 動畫品質	選擇靜態影像、全景影像或動態影像的影像大小和畫質。
白平衡	調整影像的色調。

白平衡轉換	根據以選定的白平衡色調為基礎所設定的調整值調整色調。
ND 篩選器	開啟或關閉內置 ND 篩選。
測光模式	選擇測光模式，設定要測量被攝體的哪個部分以決定曝光值。
連拍間隔	選擇連拍時每秒拍攝的影像數目。
包圍式曝光設定	設定包圍式曝光拍攝的類型。
場景辨識	設定為自動偵測拍攝情況。
柔膚效果	設定美膚效果與效果的等級。
微笑快門	設定讓相機在偵測到微笑時自動釋放快門。
微笑靈敏度	設定微笑快門功能偵測微笑的靈敏度。
面孔偵測	選擇自動偵測面孔並調整各種設定。
閃光等級	調整閃光燈的亮度。
色彩模式	選擇附帶有影像效果的影像鮮豔度。
色彩飽和度	調整影像的鮮豔度。
對比度	調整影像的對比度。
清晰度	調整影像的清晰度。
減少雜訊	調整影像解析度及雜訊平衡。
閉眼減弱功能	設定自動拍攝兩張影像，並選擇沒有眨眼的那一張。
動畫 SteadyShot	設定 SteadyShot 在動態影像模式中的強度。
定位資訊 *	查看三角定位的狀態。
註冊設定	註冊要使用的模式或相機設定。
相機指南	根據需要搜尋相機的功能。

* 只有 DSC-HX100V

觀看

循環播放	選擇一種連續播放的方法。
3D 檢視	設定為要在 3D 電視機上播放以 3D 模式拍攝的影像。
以 TransferJet 傳送	將配備有 TransferJet 的兩個產品對齊以便傳送資料。

觀看模式	選擇影像的顯示格式。
顯示連拍群組	播放時可以選擇以群組顯示連拍影像或者顯示所有影像。
修飾	用各種效果修飾影像。
刪除	刪除一個影像。
保護	保護影像。
列印 (DPOF)	為一個靜態影像添加列印預訂標記。
轉動	將靜態影像向左或向右旋轉。
相機指南	根據需要搜尋相機的功能。

∎ 🧰 設定項目

如果在拍攝或播放時按 MENU 按鈕，🧰 (設定) 會被提供作為最後的選擇。您可以在 🧰 (設定) 畫面上變更預設設定。

🔘 拍攝設定	動態影像格式 /AF 照明器 / 格線 / 數位變焦 / 減少風噪音 / 紅眼減弱 / 眨眼警告 / 寫入日期 / 自訂按鈕
🔧 主要設定	嗶音 / 面板亮度 /Language Setting/ 顯示顏色 / 演示模式 / 初始化 / 功能指南 /HDMI 解析度 /HDMI 控制 / USB 連接設定 /LUN 設定 / 下載音樂 / 清空音樂 /GPS 設定 *1/GPS 輔助資料 *1/TransferJet/Eye-Fi/ 省電
💾 記憶卡工具 *2	格式化 / 建立記錄資料夾 / 改變記錄資料夾 / 刪除記錄資料夾 / 複製 / 檔案序號
🕐 時鐘設定	區域設定 / 日期時間設定 / 自動調整時鐘 *1/ 自動調整地區 *1

*1只有 DSC-HX100V
*2如果沒有插入記憶卡，會顯示🗔 (內建記憶體工具)，而且只有 ［格式化］可供選擇。

靜態影像的數目和可以記錄的動態影像時間

靜態影像的數目和可以記錄的動態影像時間可能會因為拍攝條件和記憶卡而異。

▌靜態影像

(單位: 影像張數)

容量 尺寸	內部記憶體 約 19 MB	記憶卡 2 GB
16M	3	335
VGA	98	9600
16:9 (12M)	3	355

▌動態影像

下表顯示的是大略的最長記錄時間。這些是所有動態影像檔案的總時間。可以持續拍攝約 29 分鐘。MP4 格式動態影像檔案最大可以高達約 2 GB。

(h (時), m (分))

容量 尺寸	內部記憶體 約 19 MB	記憶卡 2 GB
AVC HD 28M (PS)	―	9m (9m)
AVC HD 24M (FX)	―	10m (10m)
AVC HD 9M (HQ)	―	25m (15m)
MP4 12M	―	20m
MP4 3M	―	1h 10m

( ) 中的數字是最短的可記錄時間。

• 動態影像可以記錄的時間會因為相機配備有可以根據拍攝場景而自動調整畫質的 VBR (Variable Bit Rate) 而有所不同。記錄快速移動的被攝體時,影像會比較清晰,但是可以記錄的時間會比較短,因為需要更多記憶體來記錄。
可以記錄的時間也會因為拍攝條件、被攝體或者畫質 / 大小的設定而有所不同。

使用相機的注意事項

本相機內建的功能

- 本說明書說明 TransferJet 相容／不相容裝置、1080 60i 相容裝置與 1080 50i 相容裝置的各項功能。
  - 若要確認您的相機是否支援 GPS 功能，請查看相機的型號。
    與 GPS 相容：DSC-HX100V
    與 GPS 不相容：DSC-HX100
  - 若要查看您的相機是否支援 TransferJet 功能、以及是否是與 1080 60i 或 1080 50i 相容的裝置，請查看相機底部的下列標誌。
    TransferJet 相容裝置：▼ (TransferJet)
    1080 60i 相容裝置：60i
    1080 50i 相容裝置：50i

- 本相機與 1080 60p 或 50p 格式的動態影像相容。與到目前為止都是以隔行掃描法記錄的標準記錄模式不同的是，本相機是以逐行掃描法記錄。這樣可以增加解析度，提供更順暢、更真實的影像。
- 在飛機上，務必要遵守機艙內的告示將相機關閉。
- 不要在 3D 相容顯示器上長時間觀看以本相機拍攝的 3D 影像。
- 在 3D 相容監視器上觀看以本相機拍攝的 3D 影像時，可能會有眼睛疲勞、倦怠或噁心之類的不適經驗。為了防止這些症狀，建議您定時休息。不過，您得自行決定休息所需的長度和頻率，因為這些會因人而異。如果您有任何類型的不適，請停止觀看 3D 影像，直到感覺比較好為止，並視需要徵詢醫生意見。另請參考連接本相機或使用於本相機的裝置或軟體所附的使用說明。請注意，孩子的視力還在發育階段（尤其是 6 歲以下的小孩）。讓小孩觀看 3D 影像之前，請徵詢小兒科醫生或眼科醫生的意見，並確認孩子在觀看這種影像時有遵守上述注意事項。

關於 GPS 相容裝置（僅限 DSC-HX100V）

- 請根據所在國家與地區的規定使用 GPS。
- 如果不記錄方向或位置資訊，請將 ［GPS 設定］設定為 ［關］。

關於使用和維護

對於產品要避免粗暴的使用、拆解、修改、實體衝擊或者敲打、跌落或踐踏之類的撞擊。對於鏡頭要特別小心。

關於記錄／播放的注意事項

- 開始拍攝之前，要進行試拍，以確定相機能正確的運作。
- 本相機不防塵、不防潑濺、也不防水。
- 避免讓相機接觸到水。如果有水進入相機內，可能會發生故障。在某些情況下，相機無法修復。
- 請勿將相機朝向太陽或其它強光。那樣可能會令您的相機故障。
- 如果有濕氣凝結，要在使用相機之前將其清除。
- 請勿搖晃或撞擊本相機。那樣可能會造成故障，您可能無法記錄影像。而且，記錄媒體可能變成無法使用，或者影像資料可能受損。

請勿在下列地方使用／存放相機

- 在非常炎熱、寒冷或潮濕的地方
  例如，在停在太陽底下的車廂中，相機機身可能變形而造成故障。
- 陽光直射或者靠近發熱器的地方
  相機機身可能褪色或變形，而這可能會造成故障。
- 在會受到搖擺振動的地方
- 靠近會產生強烈無線電波、發出輻射或者強烈磁性的地方。否則相機可能
  無法正確地記錄或播放影像。
- 在多沙或多灰塵的地方
  小心不要讓沙子或灰塵進入相機中。否則可能會造成相機故障，有時候這
  種故障是無法修理的。

攜帶時

不要在相機放置於褲子或裙子的後面口袋中時坐在椅子或其他地方，因為這
樣可能會造成故障或者損害相機。

關於 LCD 螢屏和鏡頭的注意事項

LCD 螢屏利用極高精確度技術製造，所以 99.99% 以上的像素都可以有效的使
用。不過，您可能會發現細小的黑點和／或亮點（白色、紅色、藍色或綠
色）出現在 LCD 螢屏上。這些點是生產過程中的正常結果，不會影響錄影。

關於相機的溫度

您的相機和電池可能因為持續使用而變熱，但是這並不是故障。

關於過熱保護

您可能無法記錄動態影像，或者電源可能會自動關閉以保護相機，這點要視
相機和電池溫度而定。
LCD 螢幕上會出現一個訊息，然後關閉電源，或者您不能再記錄動態影像。
遇到這種情況時，將電源關閉，等到相機與電池溫度下降為止。如果不讓相
機與電池溫度降得夠低就開啟電源，電源可能會再度關閉或者可能會無法記
錄動態影像。

關於為電池充電

如果為很久沒用的電池充電，可能無法將其充到適當的容量。
這是因為電池特性的緣故，並不是故障。請再為電池充電。

版權警告

電視節目、影片、錄影帶及其它資料可能具有版權。未經許可錄製這些資料
將會觸犯版權法。

對於損壞的內容或記錄失敗不補償

對於因為相機或記錄媒體等的故障而造成的記錄失敗或記錄內容遺失或損
壞，Sony 不能補償。

清潔相機表面

用沾了一點水的軟布清潔相機表面，然後以乾布擦拭表面。若要防止傷害表面塗層或外殼：

− 請不要讓相機接觸化學產品如稀釋劑、揮發油、酒精、用過即丟的清潔布、驅蟲劑、防曬油或殺蟲劑。

規格

相機

［系統］

影像裝置：7.77 公釐 （1/2.3 型）
　Exmor R CMOS 感應器
相機的總畫素數：
　約 16.8 百萬像素
相機的有效畫素數：
　約 16.2 百萬像素
鏡頭：Carl Zeiss Vario-Sonnar
　T* 30 ×變焦鏡頭
　f ＝ 4.8 公釐 － 144 公釐 （27
　公釐－ 810 公釐 （35 公釐的底
　片機））
　F2.8 （W） － F5.6 （T）
　拍攝動態影像 （16:9）時：
　29 公釐 － 870 公釐 *
　拍攝動態影像 （4:3）時：
　36 公釐 － 1080 公釐 *
*當 ［動畫 SteadyShot］設為 ［標
　準］時
SteadyShot：光學
曝光控制：自動曝光，快門優先，
　光圈優先，手動曝光，場景選擇
　（16 種模式）
白平衡：自動、日光、多雲、螢光
　照明 1/2/3、白熾燈、閃光燈、
　單按、白平衡轉換
訊號格式：
　1080/50i、1080/50p、
　PAL 彩色、CCIR 標準 HDTV
　1080/50i 規格
　1080/60i、1080/60p、
　NTSC 彩色、EIA 標準 HDTV
　1080/60i 規格

檔案格式：
　靜態影像：符合 JPEG （DCF
　Ver. 2.0、Exif Ver. 2.3、MPF
　Baseline）標準、與 DPOF 相容
　3D 靜態影像：符合 MPO （MPF
　Extended （視差影像））標準
　動態影像 （AVCHD 檢視）：
　AVCHD 格式 Ver. 2.0 相容
　視訊：MPEG-4 AVC/H.264
　音訊：Dolby Digital 2 聲道，
　配備 Dolby Digital Stereo
　Creator
　• 由 Dolby Laboratories 授權製
　　造。
動態影像 （MP4 檢視）：
　MP4 格式
　視訊：MPEG-4 AVC/H.264
　音訊：MPEG-4 AAC-LC 2ch
記錄媒體：內部記憶體 （約
　19 MB）、"Memory Stick
　Duo"、SD 卡
閃光燈：閃光範圍 （ISO 感光度
　（建議曝光指數）設定為自
　動）：
　約 0.3 公尺至 12.7 公尺 （W） /
　約 2 公尺至 5.9 公尺 （T）

［輸入和輸出接頭］

HDMI 接頭：HDMI 小型插孔
多功能接頭：Type3c
　（AV 輸出 /USB）：
　視頻輸出
　音頻輸出 （立體聲）
　USB 通訊
USB 通訊：Hi-Speed USB （USB
　2.0）

[LCD 螢屏]

LCD 面板:
　　7.5 公分（3.0 型）TFT 驅動
總點數: 921 600（640 × 3（RGB）
　　× 480）點

[電源，一般]

電源: 充電電池 NP-FH50, 6.8 V
　　電源適配器 AC-L200C/AC-L200D
　　（附件）、8.4 V
耗電量:
　　1.3 W（使用 LCD 螢幕拍攝時）
　　1.2 W（使用觀景窗拍攝時）
操作溫度: 0 ℃至 40 ℃
存放溫度: -20 ℃至 +60 ℃
尺寸（符合 CIPA 標準）:
　　121.6 公釐× 86.6 公釐× 93.1
　　公釐（寬 / 高 / 長）
質量（符合 CIPA 標準）（包含 NP-
　　FH50 電池、"Memory Stick
　　Duo"）: 約 577 公克
麥克風: 立體聲
揚聲器: 單聲
Exif Print: 相容
PRINT Image Matching III: 相容

電源適配器 AC-L200C/AC-L200D

電源要求: AC 100 V 至 240 V,
　　50 Hz/60 Hz
耗電量: 18 W
輸出電壓: DC 8.4 V*
操作溫度: 0 ℃至 40 ℃
存放溫度: -20 ℃至 +60 ℃
尺寸:
　　約 48 公釐× 29 公釐× 81 公釐
　　（寬 / 高 / 長）
質量:
　　約 170 公克（不含電源線）
* 如需其他規格資訊，請參閱電源適
　配器上的標籤。

充電電池 NP-FH50

使用的電池: 鋰離子電池
最大電壓: DC 8.4 V
額定電壓: DC 6.8 V
最大充電電壓: DC 8.4 V
最大充電電流: 1.7A
容量:
　　通常: 6.1Wh（900mAh）
　　最少: 5.9Wh（870mAh）

設計及規格如有變更，恕不另行通
知。

在我們的客戶支援網站可以查到本產品新增的資訊和常見問題的答案。

http://www.sony.net/

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