
Digital Still Camera / Instruction Manual

GB

數位照相機/使用說明書

CT

Cyber-shot

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-J10

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.

CAUTION

Observe the following cautions, as there may be a risk of heat generation, fire or explosion.

* Lithium-ion battery is built into the product.

- Charge the product by the designated charging method.
- Do not place the product in or near fire, or put the product in a microwave.
- Do not leave the product in a car in hot weather.
- Do not store or use the product in a hot and humid place such as in a sauna bath.
- Do not disassemble, crush or pierce the product.
- Do not expose the product to excessive shock such as dropping from a high place.
- Do not expose the product to high temperatures above 60°C (140°F).
- Keep the product dry.

Dispose of the product appropriately.

Charge the product by the designated charging method in the instruction manual.

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.

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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-J10
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 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.

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.

^{GB}
4 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.

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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.

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.

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For Windows users:

- ① Click [User Guide] → [Install].
- ② Start “User Guide” from the shortcut on the desktop.

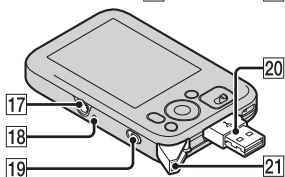
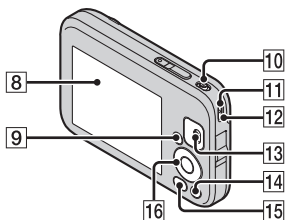
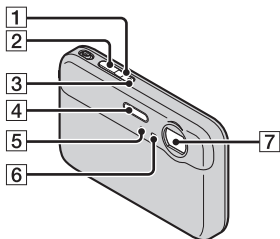
For Macintosh users:


- 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

- AC adaptor AC-UB10 (1)
- Power cord (mains lead) (not supplied in the USA and Canada) (1)
- Dedicated USB connection support cable (1) (Sony Corporation 1-838-714-)
- Wrist strap (1)
- CD-ROM (1)
 - Cyber-shot application software
 - “Cyber-shot User Guide”
- Instruction Manual (this manual) (1)
- The battery pack is built into this camera.

Identifying parts



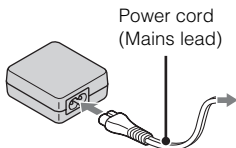
- 1** ON/OFF (Power) button
- 2** Shutter button
- 3** Power/Charge lamp
- 4** Flash
- 5** Self-Timer lamp/Smile Shutter lamp
- 6** Microphone
- 7** Lens
- 8** LCD screen
- 9**  (Playback) button

- 10** For shooting: W/T (Zoom) lever
For viewing:  (Playback zoom) lever/ (Index) lever
- 11** Hook for wrist strap
- 12** Speaker
- 13** Mode switch
- 14**  (Delete) button
- 15** MENU button
- 16** Control button
Menu on: ////
Menu off: DISP///
- 17** 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.
- 18** RESET button
- 19** Lock release lever for USB arm
- 20**  (USB) arm
- 21** USB arm cover

Charging the camera

The battery pack is built into the camera. Charge the camera before using for the first time.

Countries/regions other than the USA and Canada



Power cord
(Mains lead)

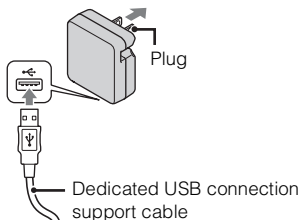
Power/Charge lamp

Lit: Charging

Off: Charging finished

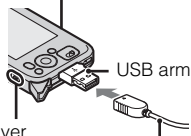
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The USA and Canada



Plug

Dedicated USB connection
support cable



USB arm

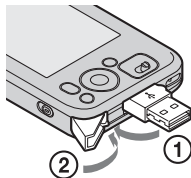
Lock release lever
for USB arm

Dedicated USB
connection support
cable (supplied)

- 1 Press the ON/OFF (Power) button to turn off the camera.
- 2 Slide the lock release lever for USB arm.
 - The USB arm cover opens as shown in the illustration, then the USB arm comes out.
- 3 Connect the AC adaptor to the wall outlet (wall socket).
 - The Power/Charge lamp lights up in orange and charging starts.
 - Be sure to turn off the camera.
 - You can charge the partially discharged battery pack.

■ To retract the USB arm

Pull out the cable, and then lay the USB arm with finger. Then, the USB arm cover closes.

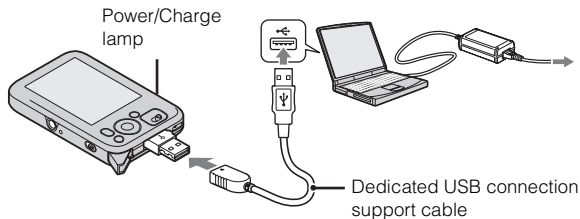


Notes

- Do not push on the USB arm forcibly.
- Be careful not to pinch your finger in the USB arm.
- If the USB arm cover is closed, open the USB arm cover and lay the USB arm. Do not push the USB arm when the USB arm cover is closed.
- Use a nearby wall outlet (wall socket) when using the supplied AC Adaptor. Disconnect the AC Adaptor from the wall outlet (wall socket) immediately if any malfunction occurs while using the camera.
- When charging is finished, disconnect the dedicated USB connection support cable (supplied) from the computer, or the AC Adaptor from the wall outlet (wall socket).
- Make sure to use the supplied AC adaptor or the supplied dedicated USB connection support cable for charging.
- If the Power/Charge lamp does not light up even after connecting the AC adaptor to the camera and the wall outlet (wall socket), the battery pack is in charging standby condition as the ambient temperature is out of the appropriate range. Charging starts and the lamp lights up when the ambient temperature becomes appropriate for charging. Charging the battery pack in an ambient temperature of 10°C to 30°C (50°F to 86°F) is recommended.

■ Charging the battery pack with a computer

You can charge the battery pack with the dedicated USB connection support cable.



- ① Press the ON/OFF (Power) button to turn off the camera.
- ② Connect the camera to the computer that is turned on with the dedicated USB connection support cable (supplied).
 - The Power/Charge lamp lights up in orange, and charging starts. The Power/Charge lamp turns off, charging has completed.
 - The Power/Charge lamp may turn off when the temperature is outside of the recommended operating temperature (10°C to 30°C (50°F to 86°F)).
- ③ When charging is finished, delete the USB connection between the camera and computer.

Note

- Be careful also of the following points:
 - When you connect the camera to a laptop computer that is not connected to an AC power source, the battery of the laptop computer may be depleted rapidly. Do not leave the camera connected to the computer for a long time.
 - Do not perform start-up, restart, resuming from sleep mode, or shut-down operations on your computer while the camera is connected. Otherwise the camera may malfunction. Disconnect the camera from the computer before performing these operations.
 - Charging the battery with customized or hand-built computers is not guaranteed.

Charging time

Full charge time: approx. 150 min.

Notes

- Time required to charge a fully depleted battery pack at a temperature of 25°C (77°F). Charging may take longer depending on conditions of use and circumstances.
- Besides charging the built-in battery, the supplied AC Adaptor can also be used to supply power in USB and viewing mode. The camera may not work in shooting mode because of the voltage reduction the AC adaptor.

■ Battery life and number of still images you can record/view

Recording

Battery life: approx. 105 min./Number of images: approx. 210 images

Viewing

Battery life: approx. 150 min./Number of images: approx. 3000 images

Note

- 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)
 - 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 built-in battery pack is used at an ambient temperature of 25°C (77°F).

■ Supplying the power from the computer

Power can be supplied from the computer even when the camera is turned on.

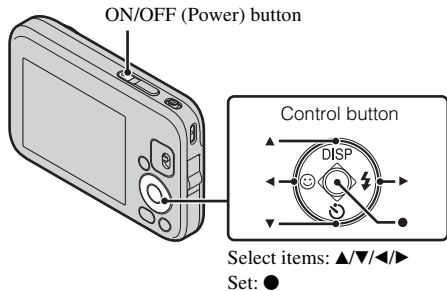
When importing images to your computer, you can perform the operation without having to worry about running out of the battery charge.

Note

- When changing the settings of the camera, the power is not supplied even though the dedicated USB connection support cable (supplied) is connected.

Setting the date and time

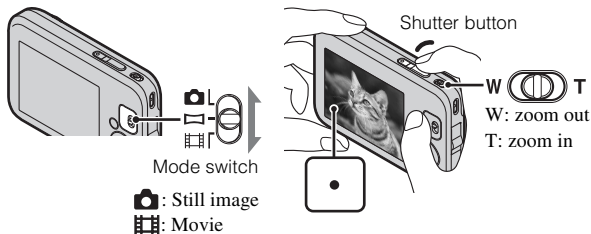
Date & Time setting is displayed when you press the ON/OFF (Power) button for the first time.



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- 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



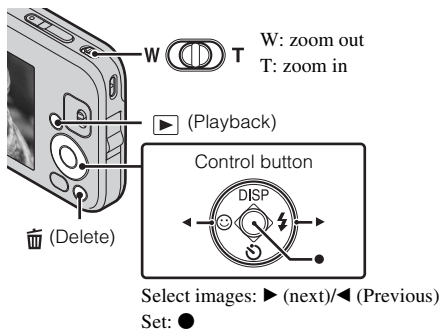
Shooting still images:

- 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.
Slide the W/T (zoom) lever to (T) to zoom in, and to (W) to zoom out.
 - 2 Press the shutter button fully down again to stop recording.
-

Viewing images



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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.

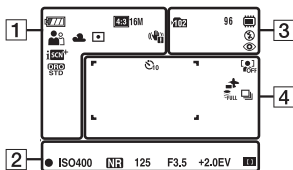
■ Deleting an image

- ① Press the 🗑️ (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
	Image size
	Scene Selection
	Shooting mode
	Scene Recognition icon
	White balance
	Metering Mode
	Vibration warning
	Scene Recognition
	DRO
	Smile Detection
	Sensitivity indicator
	Zoom scaling
	Close Focus

2





Display	Indication
	AE/AF lock
ISO400	ISO number
NR	NR slow shutter
125	Shutter speed
F3.5	Aperture value
+2.0EV	Exposure Value
	AF range finder frame indicator
Standby	Recording a movie/ Standby a movie
0:12	Recording time (m:s)

3

Display	Indication
	Recording folder
96	Number of recordable images
	Recording/Playback Media (Internal memory)
	Flash mode
	Red-eye reduction
	Flash charging

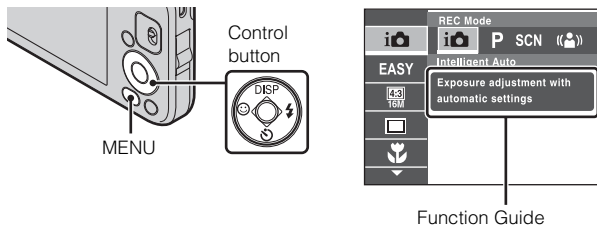
4

Display	Indication
	Self-Timer
	Destination
	Burst Settings
	Overheating warning

Display	Indication
	Face Detection
	Database file full/ Database file error warning
	AF range finder frame
	Spot metering cross hair

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 (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.
Macro	The camera adjusts the focus automatically from distant subjects to close-up.
Burst Settings	Select single-image mode or burst mode.
EV	Adjust the exposure manually.





ISO	Adjust the luminous sensitivity.
White Balance	Adjust the 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.
Scene Recognition	Set to automatically detect shooting conditions in Intelligent Auto mode.
Smile Detection Sensitivity	Set the Smile Shutter function sensitivity for detecting smiles.
Face Detection	The camera detects faces and adjusts various settings automatically.
Anti Blink	Set to automatically shoot two images and select the image with no blinking.
DRO	Set the DRO function to correct the brightness and contrast and improve the image quality.

Viewing

Easy Mode	Set the text-size increased and all indicators become easier to see.
Share it Later	Select the images to upload to a share site.
Slideshow	Select a method for continuous playback.
View Mode	Select the display format for images.
Retouch	Retouch an image using various effects.
Delete	Delete an image.
Protect	Protect the images.
Rotate	Rotate a still image to the left or right.
Select Folder	Select a folder containing 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/Blink Alert
 Main Settings	Beep/Language Setting/Function Guide/Display color/Power Save/Initialize/USB Connect/USB Power Supply/LUN Setting/Download Music/Empty Music
 Internal Memory Tool	Format/Create REC. Folder/Change REC. Folder/Delete REC. Folder/File Number
 Clock Settings	Area Setting/Date & Time Setting

Number of still images and recordable time of movies

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

Still images

(Units: Images)

Size \ Capacity	Approx. 4GB
16M	540
VGA	23500
16:9(12M)	660

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. 2GB for each file.



(Units: hour : minute : second)

Size \ Capacity	Approx. 4GB
VGA	0:55:00
QVGA	3:25:00

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. GB

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, GB

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.

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.

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.

Cleaning the lens

Wipe the lens with a soft cloth to remove fingerprints, dust, etc.

Note on disposal/transfer

- When using the software pre-loaded on the internal memory, personal information such as IDs and mail addresses may be saved on the internal memory of the camera. Before changing ownership of the camera, or before disposal, delete any personal information.
- Even if you delete data in the internal memory or format the camera, you may not delete data from the internal memory completely.
- To prevent data on the internal memory from being recovered, write unintelligible data onto the internal memory of the camera.

Specifications

Camera

[System]

Image device: 7.75 mm (1/2.3 type)

color CCD, Primary color filter

Total pixel number of camera:

Approx. 16.4 Megapixels

Effective pixel number of camera:

Approx. 16.1 Megapixels

Lens: 4× zoom lens

f = 6.18 mm – 24.7 mm (35 mm –
140 mm (35 mm film equivalent))

F3.5 (W) – F4.6 (T)

Exposure control: Automatic exposure,

Scene Selection (10 modes)

White balance: Automatic, Daylight,

Cloudy, Fluorescent 1/2/3,

Incandescent, Flash, One Push

Recording interval for Burst mode:

Approx. 0.95 second

File format:

Still images: JPEG (DCF Ver. 2.0,

Exif Ver. 2.3, MPF Baseline)

compliant

Movies: AVI (Motion JPEG)

Recording media: Internal Memory

(Approx. 4GB)

- When measuring media capacity, 1GB equals 1 billion bytes, a portion of which is used for system management and/or application files.

Available user capacity: Approx.
3.9GB

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

Approx. 0.2 m to 3.6 m (W)
(7 7/8 inches to 11 feet 9 3/4 inches)

Approx. 0.2 m to 2.8 m (T)
(7 7/8 inches to 9 feet 2 1/4 inches)

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[Input and Output connectors]

USB arm: type A (built-in)

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:

- Built-in rechargeable battery pack: 3.7 V
- Supplied from the wall outlet (wall socket) by connecting with the supplied AC adaptor (AC-UB10): 5 V
- Power consumption (during shooting): 1.6 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:

93.6 × 59.4 × 17.3 mm
(3 3/4 × 2 3/8 × 11/16 inches)
(W/H/D, excluding protrusions)

Mass:

Approx. 126 g (4.4 oz.)

Microphone: Monaural

Speaker: Monaural

Exif Print: Compatible

GB
23

PRINT Image Matching III:

Compatible

AC adaptor (AC-UB10)

Power requirements: AC 100 V to 240 V, 50 Hz/60 Hz, 70mA

Output voltage: DC 5 V, 0.5 A

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. 50 × 22 × 54 mm
(2 × 7/8 × 2 1/4 inches) (W/H/D)

Mass: Approx. 48 g (1.7 oz) (For USA and Canada models), Approx. 43 g (1.5 oz) (Except USA and Canada models)

Design and specifications are subject to change without notice.

Trademarks

- **Cyber-shot**, “Cyber-shot” are trademarks of Sony Corporation.
- Windows is registered trademark of Microsoft Corporation in the United States and/or other countries.
- Macintosh is registered trademark of Apple Inc..
- 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 TM 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.

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

請遵循以下注意事項，因為可能有熱量產生、火災或爆炸的危險。

* 產品內建鋰離子電池。

- 請以指定充電方法為產品充電。
- 切勿將產品放在火中或附近，或將產品放入微波爐中。
- 切勿將產品放在炎熱天氣下的汽車內。
- 切勿在高溫潮濕的場所，例如桑拿房中，存放或使用本產品。
- 切勿拆解、擠壓或刺穿本產品。
- 切勿使產品遭受過度撞擊，例如從高處掉落。
- 切勿將產品暴露在超過60°C的高溫下。
- 請使產品保持乾燥。

請適當丟棄產品。

請以使用說明書中指定的充電方法為產品充電。

交流電源轉接器

將交流電源轉接器連接到最近的牆上電源插座。如果使用交流電源轉接器時發生某些問題，請立即中斷插頭與牆上插座的連接，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指示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）。

附屬電纜上附有鐵芯時的注意事項：USB電纜或A/V連接電纜或交流電源轉接器之DC輸出線的一個鐵芯係抑制電磁波干擾用，請勿任意拆卸。

CT

請參閱附件CD-ROM上的“Cyber-shot使用者指南”(HTML)

關於進階操作的詳細資訊，請透過電腦閱讀CD-ROM（附件）上的“Cyber-shot使用者指南”（HTML）。



將CD-ROM插入CD-ROM光碟機中。

對於Windows使用者：

- 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”。

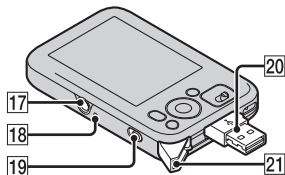
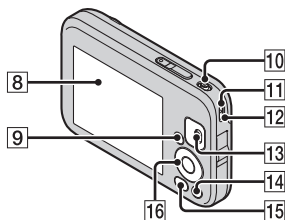
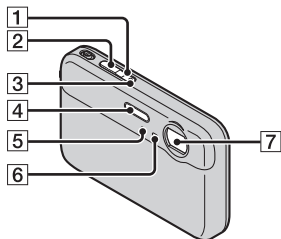
對於Macintosh使用者：

- ① 選擇[使用者指南]，將儲存於[使用者指南]資料夾中的[ct]資料夾複製到電腦。
- ② 複製完成後，按兩下[ct]資料夾中的“index.html”。

檢查隨機附件

- 交流電源轉接器AC-UB10（1）
- 電源線（美國和加拿大非附件）（1）
- 專用USB連接支援線（1）（Sony Corporation 1-838-714-）
- 腕帶（1）
- CD-ROM（1）
 - Cyber-shot應用軟體
 - “Cyber-shot使用者指南”
- 使用說明書（本手冊）（1）
- 本相機內建電池組。

認識各部件



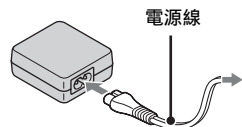
- 1 ON/OFF (電源) 按鈕
- 2 快門按鈕
- 3 電源/充電指示燈
- 4 閃光燈
- 5 自拍定時器指示燈/微笑快門指示燈
- 6 麥克風
- 7 鏡頭
- 8 LCD螢幕
- 9 ▶ (播放) 按鈕

- 10 用來拍攝: W/T (變焦) 控制桿
用來觀看: Q (播放變焦) 控制桿 / 索引) 控制桿
- 11 腕帶掛鉤
- 12 揚聲器
- 13 模式開關
- 14 刪除) 按鈕
- 15 MENU按鈕
- 16 控制按鈕
功能表開啟: ▲/▼/◀/▶/●
功能表關閉: DISP/☹/☺/⚡
- 17 三腳架安裝孔
• 請使用螺絲長度小於5.5 mm的三腳架。否則，您將無法固定住相機，並有可能損壞相機。
- 18 RESET按鈕
- 19 USB臂解除鎖定控制桿
- 20 (USB) 臂
- 21 USB臂蓋

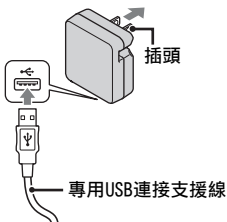
為相機充電

本相機內建電池組。第一次使用相機之前要充電。

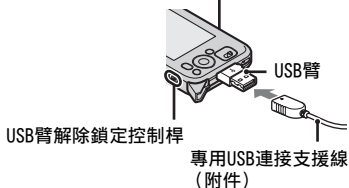
在美國和加拿大以外的國家/
地區



美國和加拿大



電源/充電指示燈
亮起：正在充電
熄滅：充電完成



1 按ON/OFF（電源）按鈕關閉相機。

2 滑動USB臂解除鎖定控制桿。

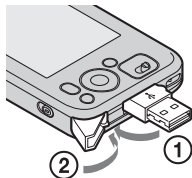
- USB臂蓋打開，如圖所示，然後USB臂彈出。

3 將交流電源轉接器連接到牆上的電源插座。

- 電源/充電指示燈亮橘燈，並開始充電。
- 務必關閉相機。
- 可以為部分放電的電池組充電。

■ 縮回USB臂

CT 拉出纜線，然後用手指將USB臂放好。然後，USB臂蓋關閉。



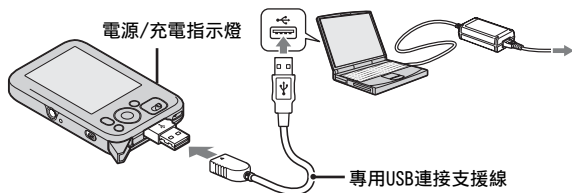
注意事項

- 切勿用力按壓USB臂。
- 請小心不要讓USB臂夾住手指。
- 如果USB臂蓋關閉，打開USB臂蓋並將USB臂放好。USB臂蓋關閉時，切勿按壓USB臂。
- 使用附件交流電源轉接器時，請使用附近的牆上電源插座。使用相機時，如果發生故障，請立即斷開交流電源轉接器與牆上電源插座的連接。
- 充電完成後，拔掉電腦上的專用USB連接支援線（附件），或是斷開交流電源轉接器與牆上電源插座的連接。
- 務必使用附件交流電源轉接器或附件專用USB連接支援線進行充電。
- 將交流電源轉接器連接到相機和牆上的電源插座後，如果電源/充電指示燈仍未亮起，表示電池組處於充電待機狀態，因為環境溫度超出適當的範圍。環境溫度適合充電時，將開始充電，且指示燈亮起。建議在10°C至30°C之間的環境溫度下為電池組充電。

CT

■ 使用電腦為電池組充電

可以使用專用USB連接支援線為電池組充電。



- ① 按ON/OFF（電源）按鈕關閉相機。
- ② 使用專用USB連接支援線將相機連接到開啟的電腦。
 - 電源/充電指示燈亮橘燈，並開始充電。電源/充電指示燈熄滅，充電完成。
 - 當溫度落在建議操作溫度（10°C至30°C）外，電源/充電指示燈可能會熄滅。
- ③ 充電完成後，刪除相機和電腦之間的USB連接。

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注意事項

- 也請注意下列事項：
 - 當您將相機連接到未連接交流電源的筆記型電腦時，筆記型電腦的電池電量可能會快速用盡。請勿讓相機長時間連接到電腦。
 - 連接相機時，請勿在電腦上執行開機、重新啟動、從睡眠模式中喚醒，或是關機等操作。否則相機可能發生故障。執行這些操作前，請斷開相機與電腦的連接。
 - 不保證能夠用自行設計或組裝的電腦對電池充電。

■ 充電時間

完全充電時間：大約150分鐘

注意事項

- 在25 °C溫度下對用盡的電池組充電需要的時間。視使用情況和環境而定，充電可能需要更長的時間。
- 除了為內建電池充電外，也可以使用附件交流電源轉接器為USB和觀看模式供電。相機可能無法在拍攝模式中運作，因為交流電源轉接器電壓降低。

■ 電池壽命與可以記錄/觀看的靜止影像數目

記錄

電池壽命：大約105分鐘/影像數目：大約210個影像

觀看

電池壽命：大約150分鐘/影像數目：大約3000個影像

注意事項

- 可記錄的靜止影像數目是根據CIPA標準，在以下條件拍攝。
(CIPA: Camera & Imaging Products Association)
 - DISP (畫面顯示設置) 設定為[普通]。
 - 每30秒鐘拍一張。
 - 變焦在W與T端交替切換。
 - 每拍攝兩次閃光燈閃光一次。
 - 電源每拍攝十次開啟關閉一次。
 - 在25 °C環境溫度下使用內建電池組。

■ 從電腦供電

即使相機開啟，仍可從電腦供電。

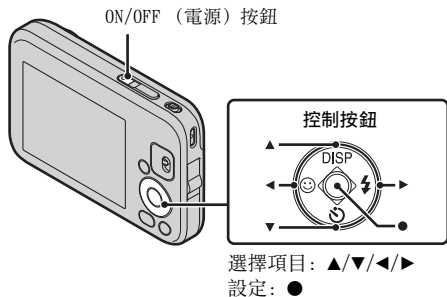
將影像匯入電腦時，可以執行操作，不需擔心電池電力用盡。

注意事項

- 變更相機設定時，即使連接專用USB連接支援線（附件），也不會供電。

設定日期和時間

第一次按ON/OFF（電源）按鈕時顯示日期和時間設定。



CT

1 按ON/OFF（電源）按鈕。

第一次按ON/OFF（電源）按鈕時顯示日期和時間設定。

- 可能需要一些時間，才能開啟電源並進行操作。

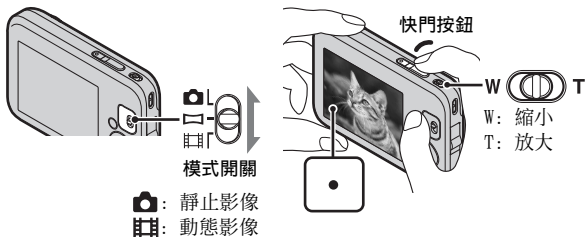
2 設定[日期時間格式]、[日光節約時間]和[日期時間]，然後按[OK]。

- 午夜顯示為12:00 AM，中午顯示為12:00 PM。

3 按照畫面上的指示選擇想要的地區，然後按 ● → [OK]。

4 按照畫面上的指示，選擇想要的顯示色彩和顯示解析度模式。

拍攝靜止影像/動態影像



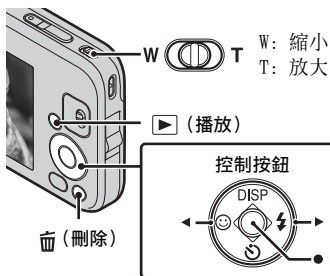
拍攝靜止影像：

- 1 將快門按鈕按下一半以對焦。
當影像清晰對焦時，發出嗶音，且 ● 指示亮起。
- 2 完全按下快門按鈕。

拍攝動態影像：

- 1 完全按下快門按鈕開始記錄。
向 (T) 滑動W/T (變焦) 控制桿以放大，向 (W) 滑動以縮小。
- 2 再次完全按下快門按鈕停止記錄。

觀看影像



選擇影像：▶（下一個）/◀（上一個）
設定：●

CT

1 按 ▶（播放）按鈕。

■ 選擇下一個/上一個影像

用控制按鈕上的 ▶（下一個）/◀（上一個）選擇影像。按控制按鈕中央的 ● 觀看動態影像。

■ 刪除影像

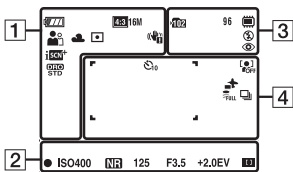
- ① 按 畚（刪除）按鈕。
- ② 用控制按鈕上的 ▲ 選擇[這個影像]，然後按 ●。

■ 返回拍攝影像

將快門按鈕按下一半。

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螢幕上顯示的圖示清單 (拍攝靜止影像時)



1

顯示	指示
	電池剩餘電量
	電池低電量警告
	影像尺寸
	場景選擇
	拍攝模式
	場景辨識圖示
	白平衡
	測光模式
	振動警告
	場景辨識
	DRO
	微笑偵測靈敏度指示
	變焦比例
	近距離對焦

2

顯示	指示
	AE/AF鎖定

顯示	指示
ISO400	ISO值
	NR低速快門
125	快門速度
F3.5	光圈值
+2.0EV	曝光值
	AF範圍取景框指示
待機	記錄動態影像/動態影像待機
0:12	記錄時間 (分:秒)

3

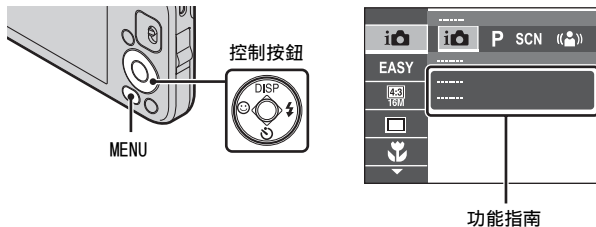
顯示	指示
	記錄資料夾
96	可記錄影像數目
	記錄/播放媒體 (內部記憶體)
	閃光燈模式
	紅眼減弱
	閃光燈充電

4

顯示	指示
	自拍定時器
	目的地
	連拍設定
	過熱警告
	面孔偵測
	資料庫檔案已滿/資料庫檔案出錯警告
	AF範圍取景框
	定點測光十字線

其他功能簡介

透過相機上的控制按鈕或MENU按鈕，可以操作拍攝或播放時使用的其他功能。本相機配備可以輕鬆選擇功能的功能指南。顯示指南時，嘗試其他功能。



CT

■ 控制按鈕

DISP（畫面顯示設置）：可以變更螢幕顯示。

⌚（自拍定時器）：可以使用自拍定時器。

😊（微笑快門）：可以使用微笑快門模式。

⚡（閃光燈）：可以選擇靜止影像的閃光燈模式。

■ 功能表項目

拍攝

拍攝模式	選擇拍攝模式。
場景選擇	選擇適合多種場景條件的預設設定。
簡單模式	使用最少功能拍攝靜止影像。
拍攝方向	設定拍攝全景攝影影像時的搖鏡方向。
影像尺寸	選擇靜止影像、全景影像或動態影像檔案的影像尺寸。
超近拍攝	相機對從遠距離被攝體到特寫被攝體自動調整對焦。
連拍設定	選擇單一影像模式或連拍模式。
EV	手動調整曝光。
ISO	調整感光度。
白平衡	調整影像色調。

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對焦	選擇對焦方法。
測光模式	選擇設定要根據被攝體的哪個部分決定曝光值的測光模式。
場景辨識	設定在智慧型自動模式中自動偵測拍攝條件。
微笑偵測靈敏度	設定偵測微笑的微笑快門功能靈敏度。
面孔偵測	相機自動偵測面孔並調整各種設定。
閉眼減弱功能	設定為自動拍攝兩張影像，然後選擇沒有閉眼的影像。
DRO	設定DRO功能以修正亮度和對比度，並改善影像品質。

觀看

簡單模式	設定文字大小變大，所有指示較容易辨識。
上傳預訂	選擇要上傳到分享網站的影像。
循環播放	選擇連續播放方法。
觀看模式	選擇影像的顯示格式。
修飾	使用各種效果修整影像。
刪除	刪除影像。
保護	保護影像。
轉動	向左或向右轉動靜止影像。
選擇資料夾	選擇含有所要播放的影像的資料夾。

🔧 設定項目

如果在拍攝或播放時按MENU按鈕， (設定) 會提供為最終選擇。您可以變更  (設定) 畫面上的預設設定。

 拍攝設定	格線/顯示解析度/數位變焦/紅眼減弱/眨眼警告
 主要設定	嗶音/Language Setting/功能指南/顯示顏色/省電/初始化/USB連接/USB電源供給/LUN設定/下載音樂/清空音樂
 內部記憶體工具	格式化/建立記錄資料夾/改變記錄資料夾/刪除記錄資料夾/檔案序號

靜止影像的張數與動態影像的可記錄時間

靜止影像數目和可記錄時間可能視拍攝條件而異。

■ 靜止影像

(單位：影像張數)

尺寸	容量	大約4GB
16M		540
VGA		23500
16:9(12M)		660

CT

■ 動態影像



下表顯示大約的最大記錄時間。這些是所有動態影像檔案的總時間。每個可記錄的動態影像檔案尺寸最大約2GB。

(單位：時：分：秒)

尺寸	容量	大約4GB
VGA		0:55:00
QVGA		3:25:00

使用本相機的注意事項

變更語言設定

畫面顯示語言設定，按MENU按鈕，然後選擇  (設定) →  (主要設定) → [Language Setting]。

關於使用和保養

避免粗暴操作、拆卸、改裝、自然撞擊或擊打，如敲擊、跌落或踩踏在產品上。應特別當心鏡頭。

關於記錄/播放的注意事項

- 開始記錄之前，要進行試拍，以確定相機能正確運作。
- 本相機既不防塵也不防濺、不防水。
- 避免將相機暴露在水中。如果有水進入相機內部，可能會發生故障。在某些情況下，無法修復相機。
- 請勿使相機朝向太陽或其他強光。否則可能會造成相機故障。
- 如果有濕氣凝結，請在使用相機之前將其清除。
- 請勿搖晃或撞擊本相機。否則可能會引起故障，無法記錄影像。此外，記錄媒體可能會無法使用，影像資料也可能會損壞。

請勿在下列地方使用/存放相機

- 在非常寒冷、炎熱或潮濕的地方
例如，停放在太陽下的車廂中，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
相機機身可能會褪色或變形，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、放射輻射線或強烈磁場的地方。否則，相機可能無法正常記錄或播放影像。
- 在多沙或多塵的地方
小心不要讓沙子或灰塵進入相機中。這樣可能會造成相機故障，有時候這種故障是無法修理的。

關於攜帶

將相機放置於褲子或裙子背後口袋時，請勿坐在椅子上或其他地方，因為這樣可能會造成故障或損壞相機。

關於LCD螢幕和鏡頭的注意事項

- LCD螢幕是採用超高精密技術製造的，其有效像素高達99.99%以上。然而，LCD螢幕上可能會出現一些微小的黑點和/或亮點（白、紅、藍或綠）。這些點乃製造過程的正常結果，並不會影響記錄。

關於相機溫度

相機和電池可能會因連續使用而變熱，這並非故障。

關於過熱保護

視相機和電池溫度而定，您可能無法記錄動態影像，或是電源可能會自動關閉，以保護相機。

在電源關閉或無法繼續記錄動態影像前，LCD螢幕上會顯示訊息。

版權警告

電視節目、影片、錄影帶及其他資料可能具有版權。未經許可記錄這些資料可能會違反版權法規定。

內容損壞或記錄失敗均不在賠償範圍內

對於因相機或記錄媒體故障等原因導致記錄失敗或記錄內容遺失或損壞，Sony概不賠償。

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。若要預防表層或外殼損壞：

- 請勿將相機暴露在化學產品下，如稀釋劑、汽油、酒精、用過即丟的布、驅蟲劑、防曬油或殺蟲劑等。

清潔鏡頭

用軟布擦拭鏡頭以清除指紋和灰塵等。

丟棄/轉讓的注意事項

- 當使用內部記憶體中預裝的軟體時，ID 和郵件地址等個人資訊可能會被保存在相機的內部記憶體上。在變更相機的所有權或將其丟棄之前，請刪除全部個人資訊。
- 即使刪除內部記憶體中的資料或格式化相機，可能仍無法完全刪除內部記憶體中的資料。
- 為防止內部記憶體中的資料復原，請將難以理解的資料寫入相機的內部記憶體。

規格

相機

[系統]

影像裝置: 7.75 mm (1/2.3型) 彩色

CCD、三原色過濾器

相機的總像素數:

大約16.4百萬像素

相機的有效像素數:

大約16.1百萬像素

鏡頭: 4倍變焦鏡頭

$f = 6.18 \text{ mm} - 24.7 \text{ mm}$

(35 mm - 140 mm

(相當於35 mm底片))

F3.5 (W) - F4.6 (T)

曝光控制: 自動曝光、場景選擇

(10模式)

白平衡: 自動、日光、多雲、螢光

1/2/3、白熾燈、閃光燈、單按

連拍模式的記錄間隔: 大約0.95秒鐘

檔案格式:

靜止影像: JPEG (DCF Ver. 2.0,

Exif Ver. 2.3, MPF Baseline)

相容

動態影像: AVI (Motion JPEG)

記錄媒體: 內部記憶體 (大約4 GB)

- 計算媒體容量時, 1 GB等於十億位元組, 其中一部份用於系統管理和/或應用程式檔案。

使用者能夠使用的容量

約3.9 GB。

閃光燈: 閃光範圍 (ISO感光度 (建

議曝光指數) 設定為自動):

大約0.2 m至3.6 m (W)

大約0.2 m至2.8 m (T)

[輸入與輸出接頭]

USB臂: A型 (內建)

USB通訊: Hi-Speed USB (USB 2.0)

[LCD螢幕]

LCD面板: 6.7 cm (2.7型) TFT驅動

總點數: 230400 (960 × 240) 點

[電源, 一般]

電源:

- 內建充電電池組: 3.7 V
- 透過連接附件交流電源轉接器 (AC-UB10) 從牆上電源插座供電: 5 V
- 功率消耗 (拍攝時): 1.6 W

操作溫度: 0 °C至40 °C

存放溫度: -20 °C至+60 °C

尺寸: 93.6 × 59.4 × 17.3 mm

(寬/高/深, 不包括突出部分)

質量: 大約126 g

麥克風: 單聲道

揚聲器: 單聲道

Exif Print: 相容

PRINT Image Matching III: 相容

交流電源轉接器 (AC-UB10)

電源要求: AC 100 V至240 V,

50 Hz/60 Hz, 70mA

輸出電壓: DC 5 V, 0.5 A

操作溫度: 0 °C至40 °C

存放溫度: -20 °C至+60 °C

尺寸: 大約50 × 22 × 54 mm

(寬/高/深)

質量: 大約48 g (美國和加拿大機

型), 大約43 g (美國和加拿大

機型除外)

設計及規格如有變更, 恕不另行通知。

商標

- **Cyber-shot**、“Cyber-shot”為 Sony Corporation的商標。
- Windows是Microsoft Corporation在美國和/或其他國家的註冊商標。
- Macintosh是Apple Inc.的註冊商標。
- 此外，本說明書中使用的系統和產品名稱通常是各自開發商或製造商的商標或註冊商標。但是，本說明書未在各處皆使用™或®標誌。

在我們的客戶支持網站可以查詢到本產品新增的訊息和日常問題的答案。

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

使用基於不含有VOC（揮發性有機成分）的植物油的油墨在70%以上再生紙上印刷。

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