

EOS-1D X Mark II



ENGLISH
Quick Guide

Instruction manuals (PDF files) and software can be downloaded from the Canon website. www.canon.com/icpd

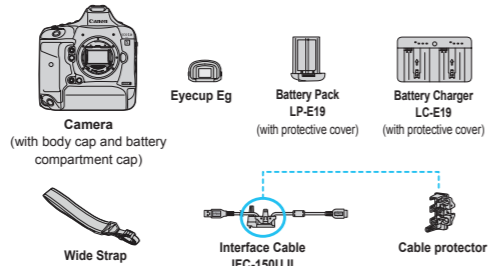
CEL-SW6DA210 © CANON INC. 2016 PRINTED IN THE EU

Introduction

The EOS-1D X Mark II (G) is a digital single-lens reflex camera featuring a full-frame CMOS sensor (approx. 35.9 mm x 23.9 mm) with approx. 20.2 effective megapixels, Dual DIGIC 6+, normal ISO speed range of ISO 100 - ISO 51200, viewfinder with approx. 100% field of view coverage, high-precision and high-speed 61-point AF (up to 41 cross-type AF points), maximum continuous shooting speed of approx. 14.0 fps during viewfinder shooting or approx. 16.0 fps during Live View shooting, 3.2-inch (approx. 1.62 million dots) LCD monitor, Live View shooting, 4K 59.94p/50.00p movie shooting, High Frame Rate movie shooting (Full HD at 119.9p/100.0p), Dual-Pixel CMOS AF, and GPS function.

Item Check List

Before starting, check that all the following items are included with your camera. If anything is missing, contact your dealer.



* Attach the Eyecup Eg to the viewfinder eyepiece.
* Be careful not to lose any of the above items.

Instruction Manuals

- Instruction manual (PDF files) download site: www.canon.com/icpd
- Camera Instruction Manual, Wired LAN Instruction Manual, and Software Instruction Manuals

Safety Precautions

The following precautions are provided to prevent harm or injury to yourself and others. Make sure to thoroughly understand and follow these precautions before using the product.

If you experience any malfunctions, problems, or damage to the product, contact the nearest Canon Service Center or the dealer from whom you purchased the product.

Warnings: Follow the warnings below. Otherwise, death or serious injuries may result.

- To prevent fire, excessive heat, chemical leakage, explosions, and electrical shock, follow the safeguards below:
 - Do not use any batteries, power sources, or accessories not specified in the Instruction Manual. Do not use any home-made or modified batteries, or the product if it is damaged.
 - Do not short-circuit, disassemble, or modify the battery. Do not apply heat or solder to the battery. Do not expose the battery to fire or water. Do not subject the battery to strong physical shock.
 - Do not insert the battery's plus and minus ends incorrectly.
 - Do not recharge the battery in temperatures outside the allowable charging (working) temperature range. Also, do not exceed the recharge time indicated in the Instruction Manual.
 - Do not insert any foreign metallic objects into the electrical contacts of the camera, accessories, connecting cables, etc.
- When disposing of a battery, insulate the electrical contacts with tape. Contact with other metallic objects or batteries may cause a fire or an explosion.
- If excessive heat, smoke, or fumes are emitted when recharging the battery, immediately unplug the battery charger from the power outlet to stop recharging. Otherwise, it may cause a fire, heat damage, or electrical shock.
- If the battery leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process. It may cause a fire, electrical shock or burns if you keep using it.
- Prevent any battery leakage from contacting your eyes, skin, and clothing. It can cause blindness or skin problems. If the battery leakage comes in contact with your eyes, skin, or clothing, flush the affected area with lots of clean water without rubbing it. See a physician immediately.
- Do not leave any cords near a heat source. It can deform the cord or melt the insulation and cause a fire or electrical shock.
- Do not hold the camera in the same position for long periods of time. Even if the camera does not feel too hot, prolonged contact with the same body part may cause skin redness or blistering due to low-temperature contact burns. Using a tripod is recommended for people with circulation problems or very sensitive skin, or when using the camera in very hot places.
- Do not fire the flash at anyone driving a car or other vehicle. It may cause an accident.
- When the camera or accessories are not in use, make sure to remove the battery and disconnect the power plug from the equipment before storing. This is to prevent electrical shock, excessive heat, fire, and corrosion.
- Do not use the equipment where there is flammable gas. This is to prevent an explosion or a fire.
- If you drop the equipment and the casing breaks open to expose the internal parts, do not touch the exposed internal parts. There is a possibility of an electrical shock.
- Do not disassemble or modify the equipment. High-voltage internal parts can cause electrical shock.
- Do not look at the sun or an extremely bright light source through the camera or lens. Doing so may damage your vision.
- Keep equipment out of the reach of children and infants, including when in use. Straps or cords may accidentally cause choking, electrical shock, or injury. Choking or injury may also occur if a child or infant accidentally swallows a camera part or accessory. If a child or infant swallows a part or accessory, consult a physician immediately.
- Do not use or store the equipment in dusty or humid places. Likewise, keep the battery away from metallic items and store it with its protective cover attached to prevent short-circuit. This is to prevent fire, excessive heat, electrical shock, and burns.
- Before using the camera inside an airplane or hospital, check if it is allowed. Electromagnetic waves emitted by the camera may interfere with the plane's instruments or the hospital's medical equipment.
- To prevent a fire and electrical shock, follow the safeguards below:
 - Always insert the power plug all the way in.
 - Do not handle a power plug with wet hands.
 - When unplugging a power plug, grasp and pull the plug instead of the cord.
 - Do not scratch, cut, or excessively bend the cord or put a heavy object on the cord. Also do not twist or tie the cords.
 - Do not connect too many power plugs to the same power outlet.
 - Do not use a cord whose wire is broken or insulation is damaged.
- Unplug the power plug periodically and clean off the dust around the power outlet with a dry cloth. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet, causing a fire.
- Do not connect the battery directly to an electrical outlet or a car's cigarette lighter outlet. The battery may leak, generate excessive heat or explode, causing fire, burns, or injuries.
- A thorough explanation of how to use the product by an adult is required when the product is used by children. Supervise children while they are using the product. Incorrect usage may result in electrical shock or injury.
- Do not leave a lens or lens-attached camera in the sun without the lens cap attached. Otherwise, the lens may concentrate the sun's rays and cause a fire.
- Do not cover or wrap the product with a cloth. Doing so may trap heat within and cause the casing to deform or catch fire.
- Be careful not to get the camera wet. If you drop the product in the water or if water or metal gel inside the product, promptly remove the battery. This is to prevent fire, electrical shock, and burns.
- Do not use paint thinner, benzene, or other organic solvents to clean the product. Doing so may cause fire or a health hazard.

Cautions: Follow the cautions below. Otherwise, physical injury or property damage may result.

- Do not use or store the product in a high-temperature location such as inside a car under the hot sun. The product may become hot and cause burns. Doing so may also cause battery leakage or explosion, which will degrade the performance or shorten the life of the product.
- Do not carry the camera around when it is attached to a tripod. Doing so may cause an injury or an accident. Also make sure the tripod is sturdy enough to support the camera and lens.
- Do not leave the product in a low-temperature environment for an extended period of time. The product will become cold and may cause injury when touched.
- Do not fire the flash near the eyes. It may hurt the eyes.
- Never play the provided CD-ROM in a drive that is not compatible with the CD-ROM. If you use it in a music CD player, you may damage the speakers and other components. When using headphones, there is also a risk of injury to your ears from excessively loud volume.
- While listening with headphones, do not change the sound-recording settings. Doing so may cause a blast of loud sound that will hurt your ears.

Handling Precautions

Camera Care

- This camera is a precision instrument. Do not drop it or subject it to physical shock.
- The camera is not waterproof and cannot be used underwater. If you accidentally drop the camera into water, promptly consult the nearest Canon Service Center. Wipe off any water droplets with a dry and clean cloth. If the camera has been exposed to salty air, wipe it with a clean, well-wrung wet cloth.
- Never leave the camera near anything having a strong magnetic field such as a magnet or electric motor. Also, avoid using or leaving the camera near anything emitting strong radio waves, such as a large antenna. Strong magnetic fields can cause camera misoperation or destroy image data.
- Do not leave the camera in excessive heat, such as in a car in direct sunlight. High temperatures can cause the camera to malfunction.
- The camera contains precision electronic circuitry. Never attempt to disassemble the camera yourself.
- Do not block the mirror operation with your finger, etc. Doing so may cause a malfunction.

- Use only a commercially-available blower to blow away dust when it adheres to the lens, viewfinder, reflex mirror, focusing screen, etc. Do not use cleaners that contain organic solvents to clean the camera body or lens. For stubborn dirt, take the camera to the nearest Canon Service Center.
- Do not touch the camera's electrical contacts with your fingers. This is to prevent the contacts from corroding. Corroded contacts can cause camera malfunction.
- If the camera is suddenly brought in from the cold into a warm room, condensation may form on the camera and internal parts. To prevent condensation, first put the camera in a sealed plastic bag and let it adjust to the warmer temperature before taking it out of the bag.
- If condensation forms on the camera, do not use the camera. This is to avoid damaging the camera. If there is condensation, remove the lens, card and battery from the camera, and wait until condensation has evaporated before using the camera.
- If the camera will not be used for an extended period, remove the battery and store the camera in a cool, dry, well-ventilated location. Even while the camera is in storage, press the shutter button a few times once in a while to check that the camera is still working.
- Avoid storing the camera where there are chemicals that result in rust and corrosion such as in a chemical lab.
- If the camera has not been used for an extended period, test all its functions before using it. If you have not used the camera for some time or if there is an important shoot such as a foreign trip coming up, have the camera checked by your nearest Canon Service Center or check the camera yourself and make sure it is working properly.
- If you use continuous shooting, Live View shooting, or movie shooting for a prolonged period, the camera may become hot. This is not a malfunction.
- If there is a bright light source inside or outside the image area, ghosting may occur.

LCD Panel and LCD Monitor

- Although the LCD monitor is manufactured with very high precision technology with over 99.99% effective pixels, there may be a few dead pixels displaying only black or red, etc. among the remaining 0.01% or less pixels. Dead pixels are not a malfunction. They do not affect the images recorded.
- If the LCD monitor is left on for a prolonged period, screen burn-in may occur where you see remnants of what was displayed. However, this is only temporary and will disappear when the camera is left unused for a few days.
- The LCD monitor display may seem slightly slow in low temperatures, or look black in high temperatures. It will return to normal at room temperature.

Lens

After detaching the lens from the camera, put down the lens with the rear end up and attach the rear lens cap to avoid scratching the lens surface and electrical contacts.



Quick Start Guide

- Insert the battery.**
 - To charge the battery, see page 42 of the Instruction Manual.
- Insert the card.**
 - The left slot is for CF cards, and the right slot is for CFast cards.

* Shooting is possible as long as there is a CF card or CFast card in the camera.
- Attach the lens.**
 - Align the red mount index on the lens with the red mount index on the camera.
- Set the lens's focus mode switch to <AF>.**
- Set the power switch to <ON>.**

- Set the shooting mode to <P>.**
 - Press the <MODE> button.
 - Look at the top LCD panel and turn the <▲> or <○> dial to select <P>.
- Focus on the subject.**
 - Look through the viewfinder and aim the viewfinder center over the subject.
 - Press the shutter button halfway, and the camera will focus on the subject.
- Take the picture.**
 - Press the shutter button completely to take the picture.
- Review the picture.**
 - The image just captured will be displayed for approx. 2 sec. on the LCD monitor.
 - To display the image again, press the <▶> button.

Number of Possible Shots

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	Approx. 1210 shots	Approx. 1020 shots

Image Playback

Index Magnify

INFO. Shooting information Playback Erase Select image

Preparation

Menu Operations

<MENU> button LCD monitor <Q> button <SET> button

- Press the <MENU> button to display the menu.
- Each time you press the <Q> button, the main tab will switch.
- Turn the <▲> dial to select a secondary tab, then turn the <○> dial to select the desired item.
- Press <SET> to display the setting.
- Turn the <○> dial to set the item, then press <SET>.

Main tabs: AF, WB, ISO, DRIVE, METER, SHOOT

Secondary tabs: White balance, Set Custom WB, WB Shift/Bkt., Color space, Picture Style, Lens aberration correction, Multiple exposure

Menu settings: 0,0/±0, sRGB, Standard, Disable

Quick Control

Press the <Q> button. The Quick Control screen will appear.

ISO speed Aperture Shutter speed Picture Style AF Operation White Balance White Balance Correction Metering Mode

Exposure compensation /AEB setting Flash exposure compensation Custom Controls Drive Mode Auto Lighting Optimizer

- Use the <▲> to select a function and press <SET>.
- Turn the <○> or <▲> dial to change some of the settings.

Electronic Level

- Each time you press the <INFO.> button, the screen display will change.
- Display the electronic level.

Image Quality Settings

Image size

Select [Q2: Img type/size], then press <SET>. Turn the <▲> or the <○> dial to select the image size, then press <SET>.

Image size Pixels Possible shots RAW: Turn the <▲> dial to select the quality. JPEG: turn the <○> dial to select the quality.

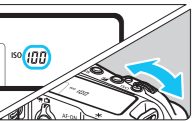
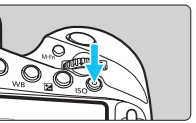
Picture Style

Select [Q1]: [Picture Style], then press <SET>. Select a Picture Style, then press <SET>.

Style	Description
Auto	Color tones optimized for the particular scene.
Standard	Vivid colors and sharp images.
Portrait	Nice skin tones and slightly sharp images.
Landscape	Vivid blue skies and greenery and very sharp images.
Fine Detail	Detailed outline and fine texture.
Monochrome	Black-and-white images.

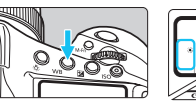
- For <F2N> (Neutral) and <F2F> (Faithful), refer to the camera's instruction manual.

ISO: ISO Speed



- Press the <ISO> button, then turn the <ISO> dial.
- ISO 100 - 51200 can be set in 1/3-stop increments.
- When "A" is selected, the ISO speed is set automatically. When you press the shutter button halfway, the ISO speed setting is displayed.

WB White Balance

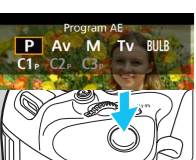
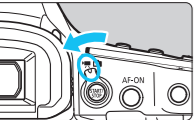


Display	Mode	Colour temperature (K: kelvin, approx.)
	Auto (Ambience priority)	3000 - 7000
	Auto (White priority)	3000 - 7000
	Daylight	5200
	Shade	7000
	Cloudy, twilight, sunset	6000
	Tungsten light	3200
	White fluorescent light	4000
	Flash use	Automatically set*
	Custom	2000 - 10000
	Color temperature	2500 - 10000

* Applicable with Speedlites having a color temperature transmission function. Otherwise, it will be fixed to approx. 6000 K.

Shooting Movies

Autoexposure Shooting

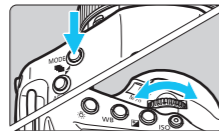


- Set the Live View shooting/Movie shooting switch to <LIVE>.
- Press the <MODE> button and turn the <MODE> dial to select <P>.
- Before shooting a movie, press the shutter button halfway to focus.
- During Live View shooting or movie shooting, you can touch the LCD monitor (touch-sensitive panel) with your fingers to move the AF point or magnify the image.
- Press the <START/STOP> button to start and stop shooting a movie.

- 4K: 4K movie shooting in 59.94p/50.00p**
- When shooting 4K 59.94p/50.00p MOVIE movies, use a CFast card and ensure the CFast card slot 2 is selected (L2).
 - Even with a high-speed CF card, only an extremely short period of time can be recorded at one time (maximum of approx. 10 sec.). (Movie shooting stops automatically.)
 - If you set the shooting mode to <Tv>, <Av> or <M>, you can shoot movies in the respective shooting mode's exposure setting.
 - Still photos cannot be taken during movie shooting.

Shooting Operation

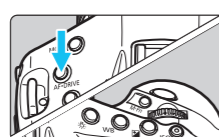
Shooting Mode



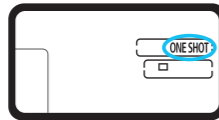
- Press the <MODE> button, then turn the <MODE> dial.
- Turn the <MODE> dial to set the exposure, then shoot.

Shooting Mode	Dial	Dial
P (Program AE)	Program shift	Exposure compensation
Tv (Shutter-priority AE)	Shutter speed setting	Exposure compensation
Av (Aperture-priority AE)	Aperture setting	Exposure compensation
M (Manual exposure)	Shutter speed setting	Aperture setting

AF: AF Mode

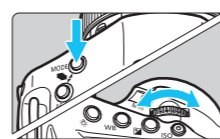


- Set the lens focus mode switch to <AF>.
- Press the <DRIVE-AF> button, then turn the <MODE> dial.



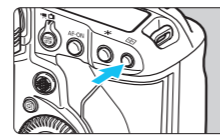
- ONE SHOT** (One-Shot AF): For still subjects
- AI SERVO** (AI Servo AF): For moving subjects

AF Area Selection Modes



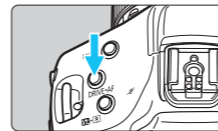
- Press the <AF-AREA> button.
- Look through the viewfinder and press the <M-Fn> button.
- Each time you press the <M-Fn> button, the AF area selection mode changes.

AF Point Selection



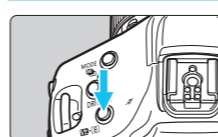
- Press the <AF-AREA> button, then look through the viewfinder.
- The AF point selection will change in the direction you tilt the <AF-AREA> dial. If you press <AF-AREA> straight down, the center AF point (or center Zone) will be selected.
- You can also select a horizontal AF point by turning the <AF-AREA> dial and select a vertical AF point by turning the <AF-AREA> dial.

Drive Mode

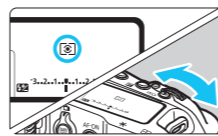


- Press the <DRIVE-AF> button then turn the <MODE> dial.
- Single Shooting**
- High-speed continuous shooting**
- Low-speed continuous shooting**
- Single: Silent Shooting**
- Silent HS shooting**
- Silent LS shooting**
- 10-sec. self-timer**
- 2-sec. self-timer**

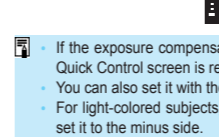
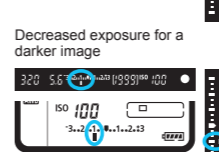
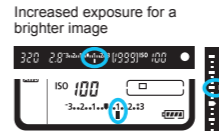
Metering Mode



- Press the <METERING> button, then turn the <MODE> dial.
- Evaluative metering:** Standard metering mode
- Partial metering:** Approx. 6.2% at center
- Spot metering:** Approx. 1.5% at center
- Center-weighted average metering:** Brightness metered at the center and averaged for the entire scene.



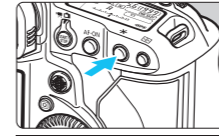
Exposure Compensation



- Increased exposure for a brighter image
- Decreased exposure for a darker image
- Press the shutter button halfway and check the exposure level indicator.
- Turn the <MODE> dial to set the exposure compensation amount.
- You can set the amount up to ±5 stops in 1/3-stop increments.
- To cancel exposure compensation, set the exposure level indicator <+/-> to the standard exposure index (<0/>).

- If the exposure compensation amount exceeds ±3 stops, setting it with the Quick Control screen is recommended.
- You can also set it with the <EXPOSURE> button and <MODE> dial.
- For light-colored subjects, set it to the plus side. For dark-colored subjects, set it to the minus side.

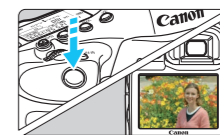
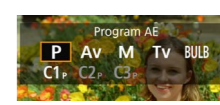
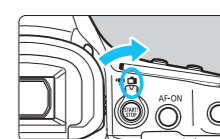
AE Lock



- Focus on the subject.
- Press the <AE-LOCK> button to lock the current exposure setting.
- The exposure level indicator on the right of the viewfinder will show the AE lock exposure level and the current exposure level in real-time.
- Recompose and take the picture.

AE Lock

Live View Shooting



- Set the Live View shooting/Movie shooting switch to <LIVE> and press the <START/STOP> button.
- Press the <MODE> button and turn the <MODE> dial to select the shooting mode.
- Press the shutter button halfway. After focus is achieved, press the shutter button completely.
- Press the <LIVE> button to end the Live View shooting.

Number of Possible Shots with Live View Shooting

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	Approx. 260 shots	Approx. 240 shots

MENU Custom Functions

- 1: Exposure**
 - Exposure level increments
 - ISO speed setting increments
 - Bracketing auto cancel
 - Bracketing sequence
 - Number of bracketed shots
 - Spot metering link to AF point
- 2: Exposure**
 - Safety shift
 - Same exposure for new aperture
- 3: Exposure**
 - Restrict shooting modes
 - Restrict metering modes
 - Metering used in manual exposure
 - Set shutter speed range
 - Set aperture range
 - AE Microadjustment
 - FE Microadjustment
- 4: Drive**
 - Continuous shooting speed
 - Limit continuous shot count
 - Restrict drive modes
- 5: Display/Operation**
 - Focusing screen
 - Viewfinder info. during exposure
 - LCD panel illumination during Bulb
 - Recording card, image size setting
- 6: Operation**
 - Warnings in viewfinder
 - Dial direction during Tv/Av
 - Av setting without lens
 - Multi function lock
 - Custom Controls
 - button function
- 7: Others**
 - Add cropping information
 - Timer duration
 - Shutter release time lag
 - Memo audio quality
 - Default Erase option
 - Retract lens on power off
- 8: Clear**
 - Clear all Custom Func. (C.Fn)

Specifications

- Type: Digital, single-lens reflex, AF/AE camera
- Recording Media: CF cards (Type I, UDMA 7 supported) CFast card (CFast 2.0 supported)
- Image sensor size: Approx. 35.9 x 23.9mm
- Compatible lenses: Canon EF lenses
 - * Excluding EF-S and EF-M lenses (The effective angle of view of a lens is approximately equivalent to that of the focal length indicated.)
 - Canon EF mount
- Lens mount: Canon EF mount
- Power**
- Battery: Battery Pack LP-E19/LP-E4N/LP-E4, quantity 1
 - * AC power usable with household power outlet accessories.
 - Power source, Battery level, Shutter count, Recharge performance indicated
 - With viewfinder shooting: Approx. 1210 shots at room temperature (23°C/73°F), approx. 1020 shots at low temperatures (0°C/32°F) With Live View shooting: Approx. 260 shots at room temperature (23°C/73°F), approx. 240 shots at low temperatures (0°C/32°F)
 - * With a fully-charged Battery Pack LP-E19.
- Battery information: Power source, Battery level, Shutter count, Recharge performance indicated
- Number of possible shots: With viewfinder shooting: Approx. 1210 shots at room temperature (23°C/73°F), approx. 1020 shots at low temperatures (0°C/32°F) With Live View shooting: Approx. 260 shots at room temperature (23°C/73°F), approx. 240 shots at low temperatures (0°C/32°F) * With a fully-charged Battery Pack LP-E19.

- Movie shooting time: Total approx. 2hr. 20min. at room temperature (23°C/73°F). Total approx. 2hr. at low temperatures (0°C/32°F)
 - * With a fully-charged Battery Pack LP-E19, Movie Servo AF disabled, and Full HD 29.97p/25.00p/24.00p/23.98p IPB (Standard).
- Dimensions and Weight**
- Dimensions (W x H x D): Approx. 158.0 / 167.6 x 82.6mm / 6.22 x 6.60 x 3.25 in.
- Weight: Approx. 1530g / 53.97oz. (Based on CIPA Guidelines) Approx. 1340g / 47.27oz. (Body only)
- Operation Environment**
- Working Temperature: 0°C - 45°C / 32°F - 113°F range:
- Working humidity: 85% or less

- Model Number**
- EOS-1D X Mark II (G) : DS126561 (including GPS module model: ES300)

CAUTION
RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATION.

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Only for European Union and EEA (Norway, Iceland and Liechtenstein)
These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2012/19/EU), the Battery Directive (2006/66/EC) and/or national legislation implementing those Directives.
If a chemical symbol is printed beneath the symbol shown above, in accordance with the Battery Directive, this indicates that a heavy metal (Hg = Mercury, Cd = Cadmium, Pb = Lead) is present in this battery or accumulator at a concentration above an applicable threshold specified in the Battery Directive. This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit www.canon-europe.com/weee, or www.canon-europe.com/battery.