Canon

EOS 5Ds
EOS 5DsR



Basic Instruction Manual

This basic manual covers only the most basic operations.
For more detailed instructions, refer to the Instruction Manual PDF file on the EOS Camera Instruction Manuals Disk DVD-ROM.

ENGLISH

Introduction

The EOS 5DS/EOS 5DS R is a digital single-lens reflex camera featuring a full-frame CMOS sensor (approx. 36.0 mm x 24.0 mm) with approx. 50.6 effective megapixels, Dual DIGIC 6, approx. 100% viewfinder coverage, high-precision and high-speed 61-point AF, approx. 5.0 fps continuous shooting, 3.2-inch LCD monitor, Live View shooting, and Full High-Definition (Full HD) movie shooting.

Before Starting to Shoot, Be Sure to Read the Following

To avoid botched pictures and accidents, first read the “Safety Precautions” (p.14-16) and “Handling Precautions” (p.16-18).

Refer to This Manual While Using the Camera to Further Familiarize Yourself with the Camera

While reading this manual, take a few test shots and see how they come out. You can then better understand the camera.

Testing the Camera Before Use and Liability

After shooting, play images back and check whether they have been properly recorded. If the camera or memory card is faulty and the images cannot be recorded or downloaded to a computer, Canon cannot be held liable for any loss or inconvenience caused.

Copyrights

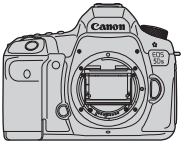
Copyright laws in your country may prohibit the use of your recorded images of people and certain subjects for anything but private enjoyment. Also be aware that certain public performances, exhibitions, etc., may prohibit photography even for private enjoyment.

About the EOS 5DS R

The EOS 5DS R’s optical low-pass filter is disabled, and the effect is eliminated to obtain a higher-looking resolution.
Since the optical low-pass filter is for reducing moire and false colors, images taken with the EOS 5DS R may show more moire and false colors than with the EOS 5DS depending on the subject and shooting conditions.

Item Check List

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



Camera
(with body cap)



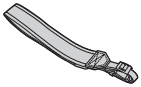
Eyecup Eg



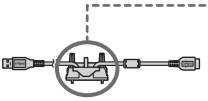
Battery Pack LP-E6N
(with protective cover)



Battery Charger LC-E6/LC-E6E*



Wide Strap



Interface Cable IFC-150U II



Cable protector

* Battery Charger LC-E6 or LC-E6E is provided. (The LC-E6E comes with a power cord.)

- The Instruction Manual and DVD/CD-ROMs provided are listed on the next page.
- Be careful not to lose any of the above items.

⚠ Connecting to Peripheral Devices

When connecting the camera to a computer or printer, use the provided interface cable or one from Canon. When connecting an interface cable, also use the provided cable protector (p.29).

Instruction Manual and DVD/CD-ROMs

The instruction manual consists of a booklet, a leaflet, and PDF manuals in electronic form (provided on the DVD-ROM). The booklet is the Basic Instruction Manual. For more detailed instructions, see the Instruction Manual on the DVD-ROM



Basic Instruction Manual
(this booklet)



EOS Camera Instruction Manuals Disk DVD-ROM
Contains the following PDF manuals:

- Instruction Manual
- Software Instruction Manuals for the software on the EOS Solution Disk

* Instructions for viewing the Instruction Manuals on the DVD-ROM are on pages 154-156.



EOS Solution Disk
Contains various software. For outlines and installation procedure for the software, see pages 159-161.

Compatible Cards

The camera can use the following cards regardless of capacity: **If the card is new or was previously formatted (initialized) by another camera or computer, format the card with this camera** (p.59).

- **CF** (CompactFlash) **cards**
  * Type I, UDMA mode 7-compatible.
- **SD/SDHC*/SDXC* memory cards**
  * UHS-I cards supported.

Cards that Can Record Movies

When shooting movies, use a large-capacity card with a fast reading/writing speed as shown in the table.

Movie Recording Size (p.138)	CF card	SD card
ALL-I (I-only)	30 MB/sec. or faster	20 MB/sec. or faster
IPB	10 MB/sec. or faster	6 MB/sec. or faster

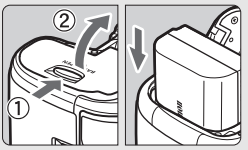
- If you use a slow-writing card when shooting movies, the movie may not be recorded properly. Also, if you play back a movie on a card with a slow reading speed, the movie may not play back properly.
- If you want to shoot still photos while shooting a movie, you will need an even faster card.
- To check the card's reading/writing speed, refer to the card manufacturer's website.

In this manual, "CF card" refers to CompactFlash cards and "SD card" refers to SD/SDHC/SDXC cards. "Card" refers to all memory cards used to record images or movies.

* **The camera does not come with a card for recording images/movies.** Please purchase it separately.

Quick Start Guide

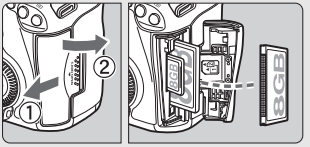
1



Insert the battery (p.34)**.**

- To charge the battery, see page 32.

2

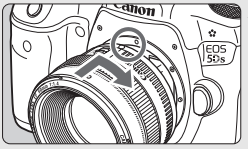


Insert the card (p.35)**.**

- The camera-front side slot is for a CF card, and the camera-back side slot is for an SD card.

* Shooting is possible with either a CF card or an SD card in the camera.

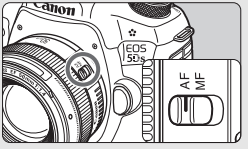
3



Attach the lens (p.44)**.**

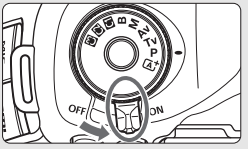
- Align it with the red dot.

4



Set the lens's focus mode switch to <AF> (p.44)**.**

5



Set the power switch to <ON> (p.39)**.**

6



While holding down the center of the Mode Dial, set it to <A+> (Scene Intelligent Auto) (p.26)**.**

- All the necessary camera settings will be set automatically.

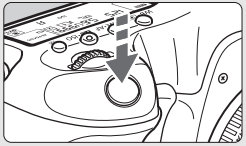
7



Focus on the subject (p.47)**.**

- 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.

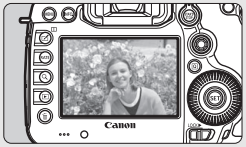
8



Take the picture (p.47)**.**

- Press the shutter button completely to take the picture.

9



Review the picture.

- The image just captured will be displayed for 2 sec. on the LCD monitor.
- To display the image again, press the <▶> button (p.142).

- To shoot while looking at the LCD monitor, see “Live View Shooting” (p.121).
- To view the images captured so far, see “Image Playback” (p.142).
- To delete an image, see “Erasing Images” (p.152).

Conventions Used in this Manual

Icons in this Manual

	: Indicates the Main Dial.
	: Indicates the Quick Control Dial.
	: Indicates the Multi-controller.
	: Indicates the Setting button.
⏱4/⏱6/⏱8/⏱10/⏱16	: Indicates that each function remains active for 4 sec., 6 sec., 8 sec., 10 sec., or 16 sec. after you let go of the button.

* In this manual, the icons and markings indicating the camera's buttons, dials, and settings correspond to the icons and markings on the camera and on the LCD monitor.

MENU : Indicates a function that can be changed by pressing the <MENU> button to change its settings.

☆ : When shown on the upper right of a page, it indicates that the function is available only in the <**P**>, <**Tv**>, <**Av**>, <**M**>, or <**B**> mode.

(p.**) : Reference page numbers for more information.

 : Warning to prevent shooting problems.

 : Supplemental information.

 : Tips or advice for better shooting.

? : Troubleshooting advice.

Basic Assumptions

- All operations explained in this manual assume that the power switch is set to <**ON**> and the <LOCK▶> switch is set to the left (Multi function lock released) (p.39, 51).
- It is assumed that all the menu settings, Custom Functions, etc. are set to their defaults.
- The illustrations in this manual show the EOS 5DS attached with the EF50mm f/1.4 USM lens as an example.

Chapters

For first-time DSLR users, Chapters 1 and 2 explain the camera's basic operations and shooting procedures.

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Certification Logo

Select [**4: Certification Logo Display**] and press <(SET)> to display some of the logos of the camera's certifications. Other certification logos can be found in this Instruction Manual, on the camera body, and on the camera's package.

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.
  - 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 recharging 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 to prevent contact with other metallic objects or batteries. This is to prevent 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 skin burn 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 contacts 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, blistering or 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, or 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 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, store the battery with its protective cover attached to prevent short-circuit. This is to prevent a fire, excessive heat, electrical shock, or burn.
- 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 a 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 get inside the product, promptly remove the battery. This is to prevent a fire and an electrical shock.
- 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 inside a car under the hot sun or near a heat source. The product may become hot and cause skin 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 injury. 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.

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.
- To maximize the camera's dust- and drip- resistance, keep the terminal cover, battery compartment cover, card slot cover, and all other covers firmly closed.
- This camera is designed to be dust- and drip- resistant, in order to help prevent sand, dust, dirt, or water that falls on it unexpectedly from getting inside, but it is impossible to prevent dirt, dust, water, or salt from getting inside at all. As far as possible, do not allow dirt, dust, water, and salt to get on the camera.
- If water gets on the camera, wipe it off with a dry and clean cloth. If dirt, dust, or salt gets on the camera, wipe it off with a clean, well-wrung wet cloth.
- Using the camera in a location with large amounts of dirt or dust may cause a malfunction.
- Cleaning the camera after use is recommended. Allowing dirt, dust, water, or salt to remain on the camera may cause a malfunction.
- If you accidentally drop the camera into water or are concerned that moisture (water), dirt, dust, or salt may have gotten inside it, promptly consult the nearest Canon Service Center.

- 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 a blower to blow away dust on the lens, viewfinder, reflex mirror, and focusing screen. 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 misoperation.
- 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 slow in low temperatures, or look black in high temperatures. It will return to normal at room temperature.

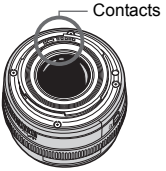
Cards

To protect the card and its recorded data, note the following:

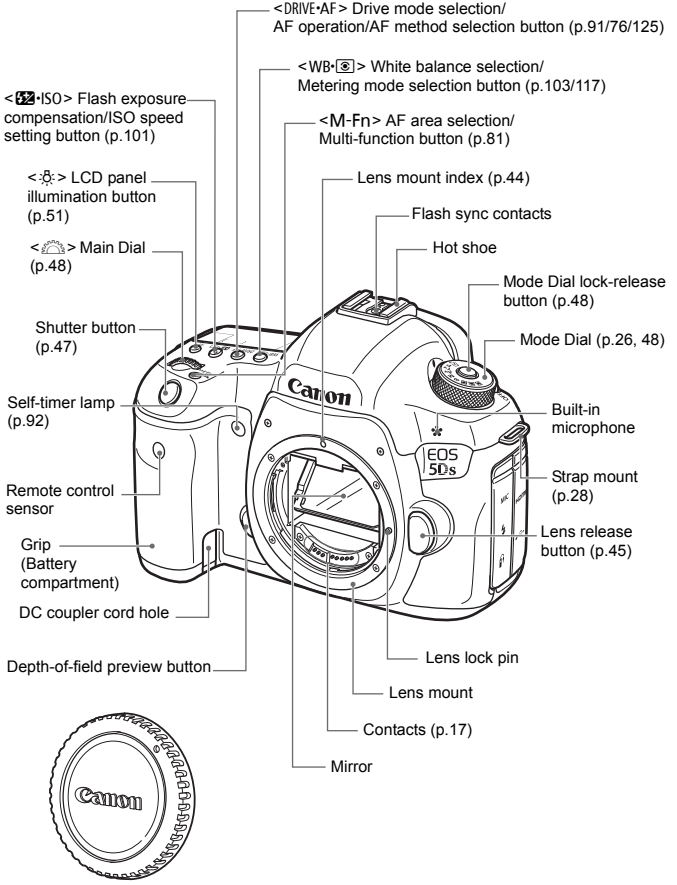
- Do not drop, bend, or wet the card. Do not subject it to excessive force, physical shock, or vibration.
- Do not touch the card's electronic contacts with your fingers or anything metallic.
- Do not affix any stickers, etc., on the card.
- Do not store or use the card near anything that has a strong magnetic field, such as a TV set, speakers, or magnet. Also avoid places prone to having static electricity.
- Do not leave the card in direct sunlight or near a heat source.
- Store the card in a case.
- Do not store the card in hot, dusty, or humid locations.

Lens

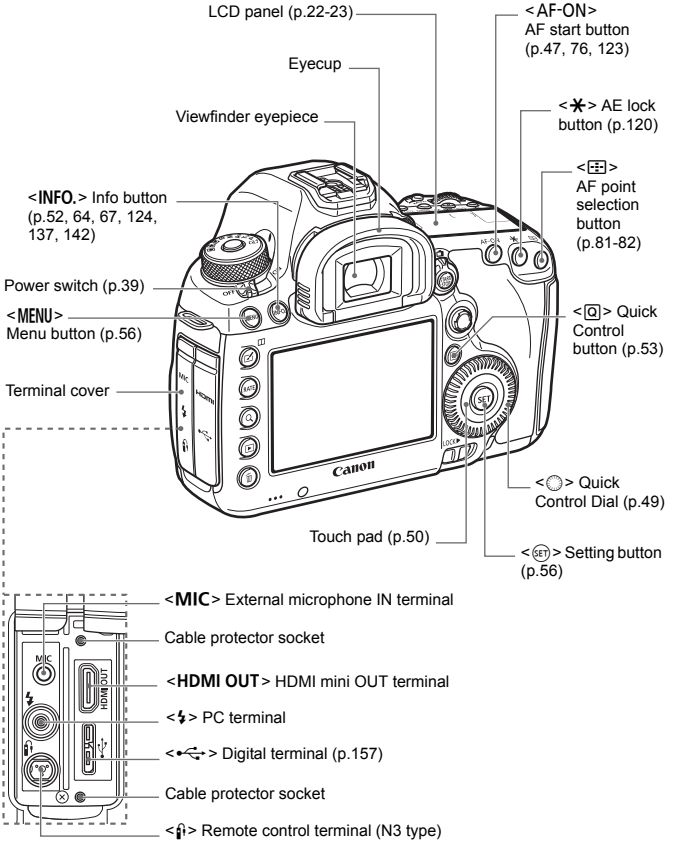
After detaching the lens from the camera, put down the lens with the rear end up and attach the rear lens cap to avoid scratching the lens surface and electrical contacts.



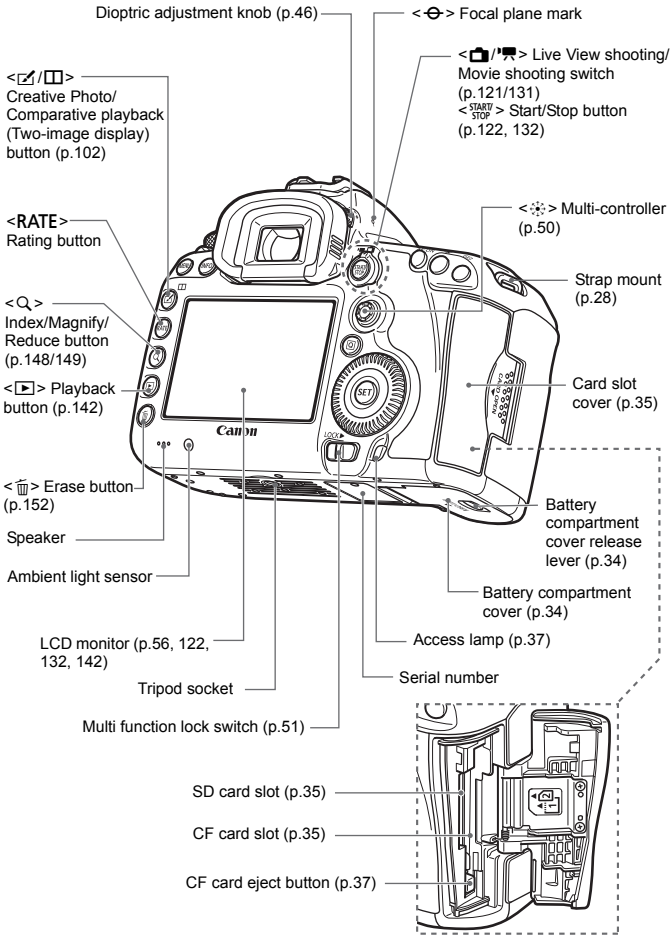
Nomenclature



Body cap (p.44)



When connecting the interface cable to a digital terminal, you must use the provided cable protector (p.29).


Dioptric adjustment knob (p.46)
<⊖> Focal plane mark
<📷/🎥> Live View shooting/ Movie shooting switch (p.121/131)
<START/STOP> Start/Stop button (p.122, 132)
<✎/⊡> Creative Photo/ Comparative playback (Two-image display) button (p.102)
<RATE> Rating button
<✣> Multi-controller (p.50)
Strap mount (p.28)
<Q> Index/Magnify/ Reduce button (p.148/149)
<▶> Playback button (p.142)
Card slot cover (p.35)
<🗑> Erase button (p.152)
Speaker
Ambient light sensor
Battery compartment cover release lever (p.34)
Battery compartment cover (p.34)
LCD monitor (p.56, 122, 132, 142)
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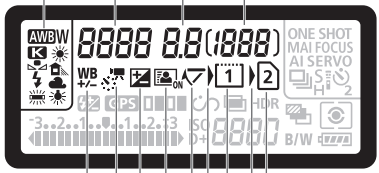
Tripod socket
Serial number
Multi function lock switch (p.51)
SD card slot (p.35)
CF card slot (p.35)
CF card eject button (p.37)

LCD Panel



Shutter speed
FE lock (**FEL**)
Remaining number of exposures for time-lapse movie
Busy (**buSY**)
Multi function lock warning (**L**)
No card warning (**Card**)
Error code (**Err**)
Cleaning image sensor (**CLn**)

Aperture

AF point selection
([ ] **AF, SEL [ ], SEL AF**)
AF point registration
([ ] **HP, SEL [ ], SEL HP**)
Card warning (**Card 1/2**)
Card full warning (**FuLL 1/2**)

Possible shots
Self-timer countdown
Bulb exposure time
Card error warning (**Err**)
Error number
Remaining images to record

White balance (p.103)
- AWB Auto: Ambience priority
- AWBW Auto: White priority
- Daylight
- Shade
- Cloudy
- Tungsten light
- White fluorescent light
- Flash
- Custom
- K Color temperature

<WB> White balance correction

<> Time-lapse movie shooting

<> Exposure compensation (p.118)

<> Auto Lighting Optimizer (p.104)

<2> SD card indicator

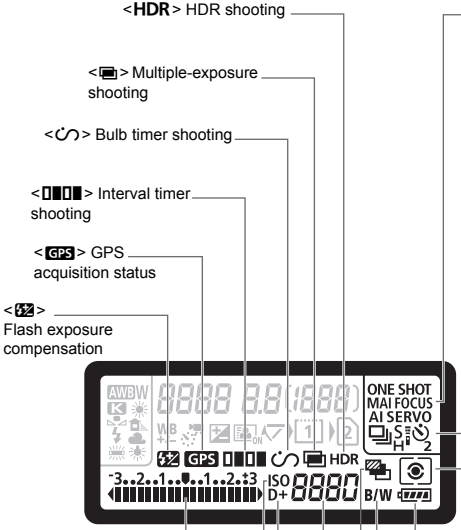
<> SD card selection icon

<1> CF card indicator

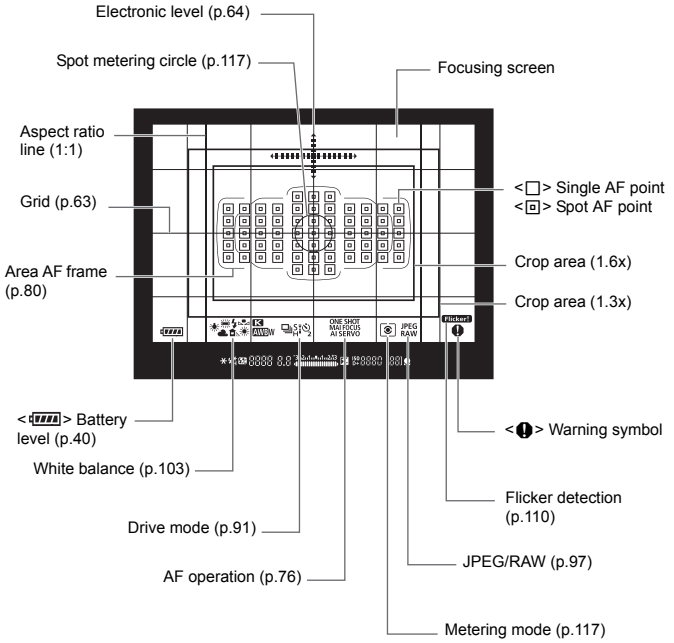
<> CF card selection icon

<> Mirror lockup

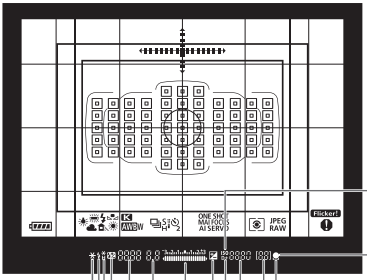
* The display will show only the settings currently applied.


<HDR> HDR shooting
<> Multiple-exposure shooting
<> Bulb timer shooting
<> Interval timer shooting
<GPS> GPS acquisition status
<> Flash exposure compensation
Exposure level indicator
Exposure compensation amount (p.118)
AEB range (p.119)
Flash exposure compensation amount
<ISO> ISO speed (p.101)
<D+> Highlight tone priority (p.107)
ISO speed (p.101)
<> AEB (p.119)
<B/W> Monochrome shooting
Battery level (p.40)
Metering mode (p.117)
Evaluative metering
Partial metering
Spot metering
Center-weighted average metering
Drive mode (p.91)
Single shooting
High-speed continuous shooting
Low-speed continuous shooting
Silent single shooting
Silent continuous shooting
Self-timer: 10 sec./ remote control
Self-timer: 2 sec./ remote control
AF operation (p.76)
ONE SHOT
One-Shot AF
AI FOCUS
AI Focus AF
AI SERVO
AI Servo AF
M FOCUS
Manual focus
ONE SHOT
AI FOCUS
AI SERVO
HDR
ISO
B/W

Viewfinder Information



* The display will show only the settings currently applied.



<ISO> ISO speed (p.101)

<●> Focus indicator (p.70, 77)

<◣◢> AF status indicator (p.70)

Maximum burst
Number of remaining multiple exposures

ISO speed (p.101)

<D+> Highlight tone priority (p.107)

<⊠> Exposure compensation (p.118)

Exposure level indicator
Exposure compensation amount (p.118)
AEB range (p.119)
Flash exposure compensation

<✳> AE lock (p.120)
AEB in-progress (p.119)

<ϟ> Flash-ready
Improper FE lock warning

<ϟ✳> FE lock
FEB in-progress
<ϟH> High-speed sync

<⊠> Flash exposure compensation

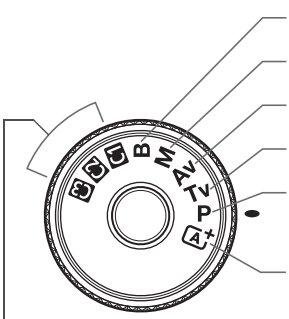
Shutter speed (p.113)
FE lock (**FEL**)
Busy (**buSY**)
Multi function lock warning (**L**)
No card warning (**Card**)
Error code (**Err**)

AF point selection
(**[ ] AF, SEL [ ], SEL AF**)
AF point registration
(**[ ] HP, SEL [ ], SEL HP**)
Card warning (**Card 1/2**)
Card full warning (**FuLL 1/2**)

Aperture (p.114)

Mode Dial

You can set the shooting mode. Turn the Mode Dial while holding down the Mode Dial center (Mode Dial lock release button).



B : Bulb

M : Manual exposure (p.115)

Av : Aperture-priority AE (p.114)

Tv : Shutter-priority AE (p.113)

P : Program AE (p.112)

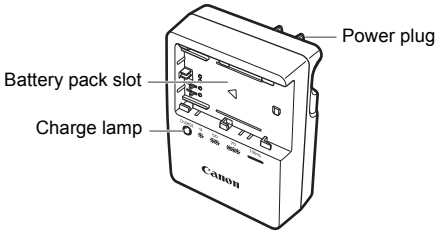
: Scene Intelligent Auto (p.70)

Custom shooting mode

You can register the shooting mode (**P**/**Tv**/**Av**/**M**/**B**), AF operation, menu settings, etc., to C1, C2, C3 Mode Dial positions.

Battery Charger LC-E6

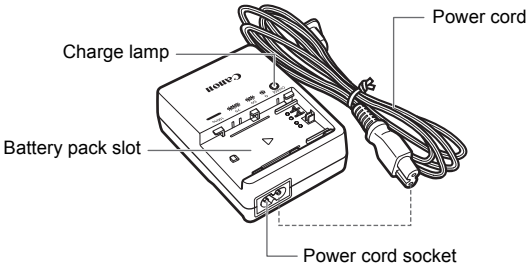
Charger for Battery Pack LP-E6N/LP-E6 (p.32).



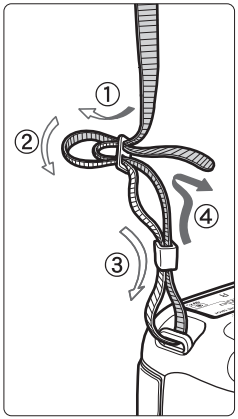
IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS.
DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS.
For connection to a supply not in the U.S.A., use an attachment plug adapter of the proper configuration for the power outlet, if needed.

Battery Charger LC-E6E

Charger for Battery Pack LP-E6N/LP-E6 (p.32).

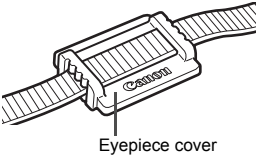


Attaching the Strap



Pass the end of the strap through the camera's strap mount eyelet from the bottom. Then pass it through the strap's buckle as shown in the illustration. Pull the strap to take up any slack and make sure the strap will not loosen from the buckle.

- The eyepiece cover is also attached to the strap.

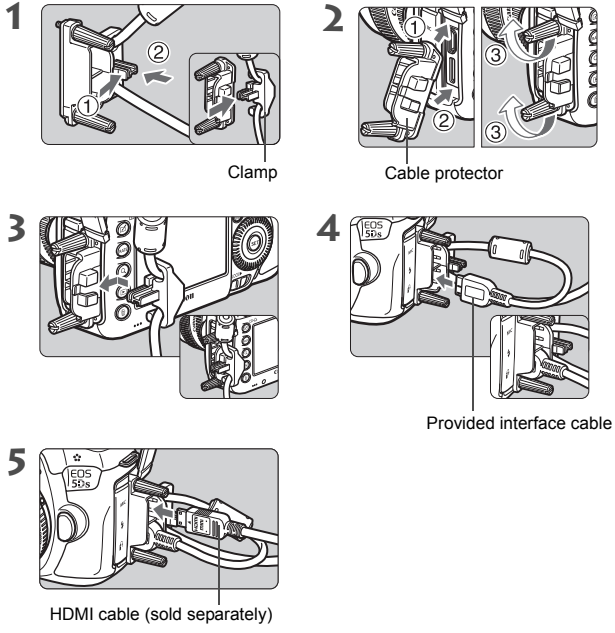


Eyepiece cover

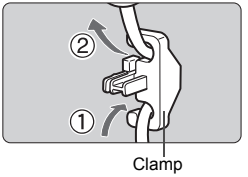
Using the Cable Protector

When connecting the camera to a computer, printer, Wireless File Transmitter or GPS Receiver, use the provided interface cable or one from Canon.
When connecting the interface cable, also use the provided cable protector. Using the cable protector prevents the cable from accidental disconnection and the terminal from getting damaged.

Using the Provided Interface Cable and a Genuine HDMI Cable (sold separately)



Using a Genuine Interface Cable (sold separately)



If you use a genuine interface cable (sold separately), run the cable through the clamp before attaching the clamp to the cable protector.

- Connecting interface cable without using the cable protector may damage the digital terminal.
- Do not use a USB 2.0 cable equipped with a Micro-B plug. It may damage the camera's digital terminal.
- As shown in the lower-right illustration for step 4, check that the interface cable is securely attached to the digital terminal.

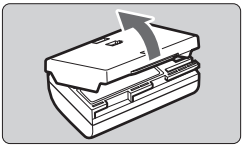
To connect the camera to a TV set, using HDMI Cable HTC-100 (sold separately) is recommended. Using the cable protector is recommended even when connecting an HDMI cable.

1

Getting Started

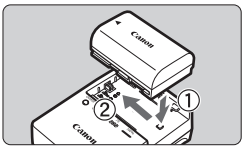
This chapter explains preparatory steps before you start shooting and basic camera operations.

Charging the Battery



1 Remove the protective cover.

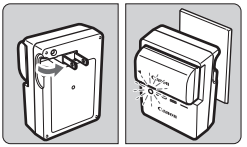
- Detach the protective cover provided with the battery.



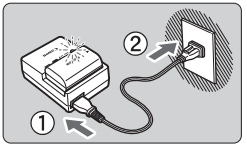
2 Attach the battery.

- As shown in the illustration, attach the battery securely to the charger.
- To detach the battery, follow the above procedure in reverse.

LC-E6



LC-E6E



3 Recharge the battery.

For LC-E6

- As shown by the arrow, flip out the battery charger's prongs and insert the prongs into a power outlet.

For LC-E6E

- Connect the power cord to the charger and insert the plug into a power outlet.

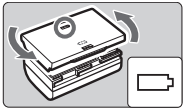
▶ Recharging starts automatically and the charge lamp blinks in orange.

Charge Level	Charge Lamp	
	Color	Display
0-49%	Orange	Blinks once per second
50-74%		Blinks twice per second
75% or higher		Blinks three times per second
Fully charged	Green	Lights up

- **It takes approx. 2 hr. and 30 min. to fully recharge a completely exhausted battery at room temperature (23°C / 73°F).** The time required to recharge the battery will vary greatly depending on the ambient temperature and the battery's remaining capacity.
- For safety reasons, recharging in low temperatures (5°C - 10°C / 41°F - 50°F) will take longer (up to approx. 4 hr.).

Tips for Using the Battery and Charger

- **Upon purchase, the battery is not fully charged.**
  Charge the battery before use.
- **Recharge the battery on the day before or on the day it is to be used.**
  Even during storage, a charged battery will gradually drain and lose its capacity.
- **After recharging the battery, detach it and disconnect the charger from the power outlet.**
- **You can attach the cover in a different orientation to indicate whether the battery has been recharged or not.**
  If the battery has been recharged, attach the cover so that the battery-shaped hole <▭> is aligned over the blue sticker on the battery. If the battery is exhausted, attach the cover in the opposite orientation.



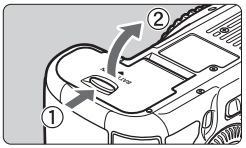
- **When not using the camera, remove the battery.**
  If the battery is left in the camera for a prolonged period, a small amount of power current is released, resulting in excess discharge and shorter battery life. Store the battery with the protective cover attached. Storing the battery when it is fully charged may lower the battery's performance.
- **The battery charger can also be used in foreign countries.**
  The battery charger is compatible with a 100 V AC to 240 V AC 50/60 Hz power source. If necessary, attach a commercially-available plug adapter for the respective country or region. Do not attach any portable voltage transformer to the battery charger. Doing so can damage the battery charger.
- **If the battery becomes exhausted quickly even after being fully charged, the battery has reached the end of its service life.**
  Check the battery's recharge performance and purchase a new battery.

- After disconnecting the charger's power plug, do not touch the prongs for approx. 10 sec.
- If the battery's remaining capacity is 94% or higher, the battery will not be recharged.
- The charger cannot charge any battery other than Battery Pack LP-E6N/LP-E6.

Installing and Removing the Battery

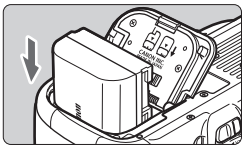
Load a fully-charged Battery Pack LP-E6N (or LP-E6) into the camera. The camera's viewfinder becomes bright when a battery is installed, and darkens when the battery is removed.

Installing the Battery



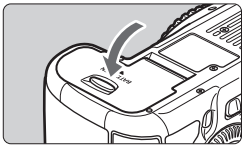
1 Open the cover.

- Slide the lever as shown by the arrows and open the cover.



2 Insert the battery.

- Insert the end with the battery contacts.
- Insert the battery until it locks in place.

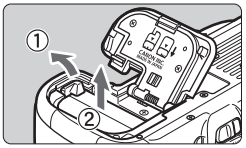


3 Close the cover.

- Press the cover until it snaps shut.

Only Battery Pack LP-E6N/LP-E6 can be used.

Removing the Battery



Open the cover and remove the battery.

- Press the battery lock lever as shown by the arrow and remove the battery.
- To prevent short circuiting of the battery contacts, be sure to attach the provided protective cover (p.32) to the battery.

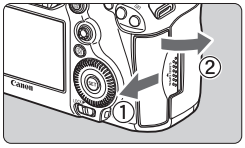
Installing and Removing the Card

The camera can use a CF card and an SD card. **Images can be recorded when at least one card is installed in the camera.**
If both types of card are inserted, you can select which card to record images to, or simultaneously record images on both cards (p.94-96).

Cautions for Using an SD Card

If you use an SD card, be sure the card's write-protect switch is set upward to enable writing/erasing.

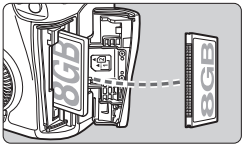
Installing the Card



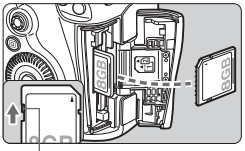
1 Open the cover.

- Slide the cover as shown by the arrows to open it.

CF card



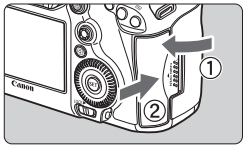
SD card



Write-protect switch

2 Insert the card.

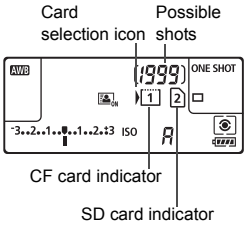
- The camera-front side slot is for a CF card, and the camera-back side slot is for an SD card.
- **Face the CF card's label toward you and insert the end with the small holes into the camera.**
  If the card is inserted in the wrong way, it may damage the camera.
  ▶ The CF card eject button will stick out.
- **With the SD card's label facing you, push in the card until it clicks in place.**



3 Close the cover.

- Close the cover and slide it in the direction shown by the arrows until it snaps shut.

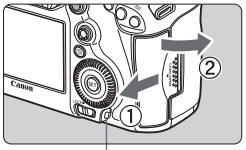
▶ When you set the power switch to <**ON**> (p.39), the number of possible shots and the loaded card(s) will be displayed on the LCD panel.
The images will be recorded to the card indicated by the arrow <▸> icon.



- The camera cannot use Type II CF cards, hard disk-type cards, or CFast cards.
- Multimedia cards (MMC) cannot be used (card error will be displayed).

- Ultra DMA (UDMA) CF cards can also be used with the camera. UDMA cards enable faster data writing.
- SD/SDHC/SDXC memory cards are supported. UHS-I SDHC or SDXC memory cards can also be used.
- The number of possible shots depends on the remaining capacity of the card, image-recording quality, ISO speed, etc.
- "Possible Shots" displays the number of shots based on the [**4: Crop/ aspect ratio**] setting (p.99).
- Even if shooting 2,000 or more shots is possible, the indicator will display only up to 1999.
- Setting [**1: Release shutter without card**] to [**Disable**] will prevent you from forgetting to insert a card.

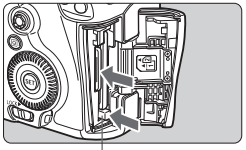
Removing the Card



Access lamp

1 Open the cover.

- Set the power switch to <**OFF**>.
- **Make sure the access lamp is off, then open the cover.**
- If [**Recording...**] is displayed on the LCD monitor, close the cover.



CF card eject button

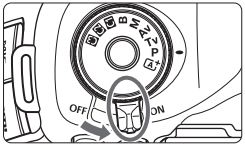
2 Remove the card.

- To remove the CF card, push the eject button.
- To remove the SD card, push it in gently and release it. Then pull it out.
- Pull the card straight out, then close the cover.

- **When the access lamp is lit or blinking, it indicates that images are being written to, read from, or erased from the card, or data is being transferred. Do not open the card slot cover during this time. Also, never do any of the following while the access lamp is lit or blinking. Otherwise, it can damage the image data, card, or camera.**
  - **Removing the card.**
  - **Removing the battery.**
  - **Shaking or banging the camera around.**
  - **Unplugging and connecting a power cord** (when household power outlet accessories are used)**.**
- If the card already contains recorded images, the image number may not start from 0001.
- If a card-related error message is displayed on the LCD monitor, remove and reinsert the card. If the error persists, use a different card.
  If you can transfer all the images on the card to a computer, transfer all the images and then format the card with the camera (p.59). The card may then return to normal.
- Do not touch the SD card's contacts with your fingers or metal objects. Do not expose the contacts to dust or water. If smudges adhere to the contacts, contact failure may result.

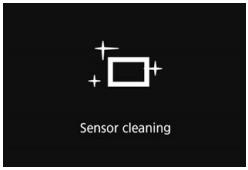
Turning on the Power

If you turn on the power switch and the date/time/zone setting screen appears, see page 41 to set the date/time/zone.



<**ON**> : The camera turns on.
<**OFF**> : The camera is turned off and does not operate. Set to this position when not using the camera.

Automatic Sensor Cleaning



- Whenever you set the power switch to <**ON**> or <**OFF**>, sensor cleaning will be executed automatically. (A small sound may be heard.) During the sensor cleaning, the LCD monitor will display <>.
- You can still shoot during sensor cleaning by pressing the shutter button halfway (p.47) to stop cleaning and take a picture.
- If you repeatedly turn the power switch <**ON**>/<**OFF**> at a short interval, the <> icon may not be displayed. This is normal and not a malfunction.

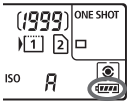
MENU Auto Power Off

- To save battery power, the camera turns off automatically after 1 minute of non-operation. To turn on the camera again, just press the shutter button halfway.
- You can change the auto power off time with [**2: Auto power off**] (p.61).

If you set the power switch to <**OFF**> while an image is being recorded to the card, [**Recording...**] will be displayed and the power will turn off after the recording finishes.

Battery Level Indicator

When the power switch is set to <**ON**>, the battery level will be indicated in one of six levels. A blinking battery icon < > indicates that the battery will be exhausted soon.



Display						
Level (%)	100 - 70	69 - 50	49 - 20	19 - 10	9 - 1	0

Number of Possible Shots

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	Approx. 700 shots	Approx. 660 shots

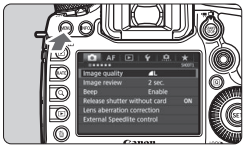
- The figures above are based on a fully-charged Battery Pack LP-E6N, no Live View shooting, and CIPA (Camera & Imaging Products Association) testing standards.
- Possible shots with Battery Grip BG-E11 (sold separately)
  - With LP-E6N x 2: approx. twice the shots without the battery grip.
  - With AA/LR6 alkaline batteries at room temperature (23°C / 73°F): approx. 140 shots.

- Doing any of the following will exhaust the battery sooner:
  - Pressing the shutter button halfway for a prolonged period.
  - Activating the AF frequently without taking a picture.
  - Using the lens Image Stabilizer.
  - Using the LCD monitor frequently.
- The number of possible shots may decrease depending on the actual shooting conditions.
- The lens operation is powered by the camera's battery. Depending on the lens used, the battery may exhaust faster.
- For the number of possible shots with Live View shooting, see page 123.
- See [**3: Battery info.**] to check the battery's condition.
- With Battery Grip BG-E11 (sold separately) loaded with AA/R6 batteries, a four-level indicator will be displayed. (/ will not be displayed.)

MENU Setting the Date, Time, and Zone

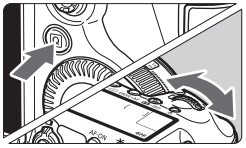
When you turn on the power for the first time or if the date/time/zone are reset, the date/time/zone setting screen will appear. Follow the steps below, making sure to set the time zone first. Set the camera to the time zone in which you currently live so that, when you travel, you can simply change the setting to the correct time zone for your destination and the camera will automatically adjust the date/time.

Note that the date/time appended to recorded images will be based on this date/time setting. Be sure to set the correct date/time.



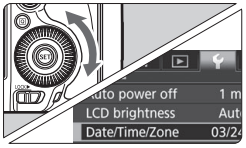
1 Display the menu screen.

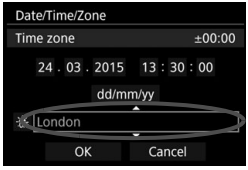
- Press the <MENU> button to display the menu screen.



2 Under the [2] tab, select [Date/Time/Zone].

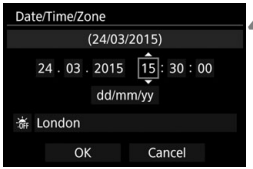
- Press the <Q> button and select the [2] tab.
- Turn the <> dial to select the [**2**] tab.
- Turn the <> dial to select [**Date/Time/Zone**], then press <SET>.





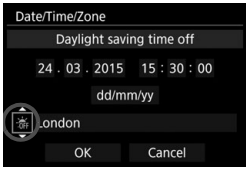
3 Set the time zone.

- **[London] is set by default.**
- Turn the <> dial to select [**Time zone**].
- Press <SET> so <> is displayed.
- Turn the <> dial to select the time zone, then press <SET>.



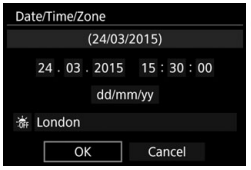
4 Set the date and time.

- Turn the <◯> dial to select the number.
- Press <(SET)> so <⇕> is displayed.
- Turn the <◯> dial to select the desired setting, then press <(SET)> (Returns to <▭>).



5 Set the daylight saving time.

- Set it if necessary.
- Turn the <◯> dial to select [☀off].
- Press <(SET)> so <⇕> is displayed.
- Turn the <◯> dial to select [☀], then press <(SET)>.
- When the daylight saving time is set to [☀], the time set in step 4 will advance by 1 hr. If [☀off] is set, the daylight saving time will be canceled and the time will go back by 1 hr.



6 Exit the setting.

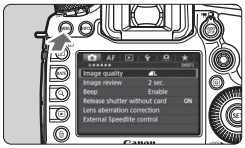
- Turn the <◯> dial to select [**OK**], then press <(SET)>.

▶ The date/time/zone and daylight saving time will be set and the menu will reappear.

- The date/time/zone settings may be reset when the camera is stored without the battery, when its battery becomes exhausted, or when it is exposed to below freezing temperatures for a prolonged period. If this happens, set the date/time/zone again.
- After changing the time zone, check that the correct date/time are set.
- When performing [**Sync time between cameras**] via Wireless File Transmitter, using another EOS 5DS/EOS 5DS R is recommended. If you perform [**Sync time between cameras**] using different models, the time zone or time may not be set correctly.

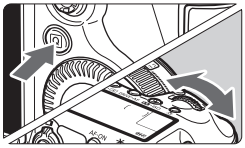
- The date/time that were set will start from when you select [**OK**] in step 6.
- In step 3, the time displayed on the upper right of the screen is the time difference compared with Coordinated Universal Time (UTC). If you do not see your time zone, set the time zone while referring to the difference with UTC.

MENU Selecting the Interface Language



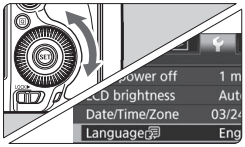
1 Display the menu screen.

- Press the <MENU> button to display the menu screen.



2 Under the [2] tab, select [Language].

- Press the <Q> button and select the [2] tab.
- Turn the <> dial to select the [**2**] tab.
- Turn the <> dial to select [**Language**], then press <SET>.





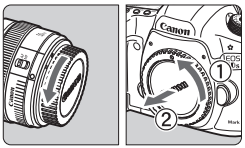
3 Set the desired language.

- Turn the <> dial to select the language, then press <SET>.
- ▶ The interface language will change.

Attaching and Detaching a Lens

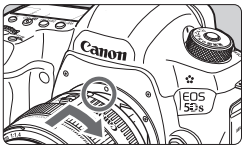
The camera is compatible with all Canon EF lenses. **The camera cannot be used with EF-S or EF-M lenses.**

Attaching a Lens



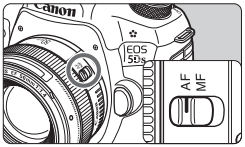
1 Remove the caps.

- Remove the rear lens cap and the body cap by turning them as shown by the arrows.



2 Attach the lens.

- Align the red dots on the lens and camera and turn the lens as shown by the arrow until it clicks in place.

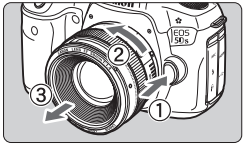


3 Set the lens's focus mode switch to <AF>.

- <**AF**> stands for autofocus.
- <**MF**> stands for manual focus. Autofocus will not operate.

4 Remove the front lens cap.

Detaching the Lens



While pressing the lens release button, turn the lens as shown by the arrow.

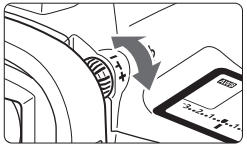
- Turn the lens until it stops, then detach it.
- Attach the rear lens cap to the detached lens.

- Do not look at the sun directly through any lens. Doing so may cause loss of vision.
- When attaching or detaching a lens, set the camera's power switch to <**OFF**>.
- If the front part (focusing ring) of the lens rotates during autofocusing, do not touch the rotating part.

Minimizing Dust

- When changing lenses, do it quickly in a place with minimal dust.
- When storing the camera without a lens attached, be sure to attach the body cap to the camera.
- Remove dust on the body cap before attaching it.

Adjusting the Viewfinder Clarity



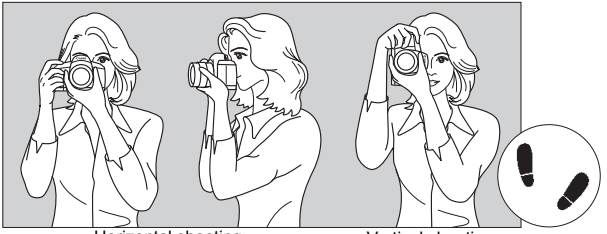
Turn the dioptric adjustment knob.

- Turn the knob left or right so that the AF points in the viewfinder look sharp.
- If the knob is difficult to turn, remove the eyecup.

If the camera's dioptric adjustment still cannot provide a sharp viewfinder image, using Dioptric Adjustment Lens Eg (sold separately) is recommended.

Holding the Camera

To obtain sharp images, hold the camera still to minimize camera shake.



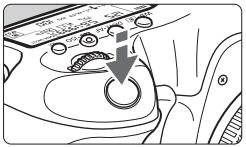
Horizontal shooting Vertical shooting

1. Wrap your right hand around the camera grip firmly.
2. Hold the lens bottom with your left hand.
3. Rest your hand's right index finger lightly on the shutter button.
4. Press your arms and elbows lightly against the front of your body.
5. To maintain a stable stance, place one foot slightly ahead of the other.
6. Press the camera against your face and look through the viewfinder.

To shoot while looking at the LCD monitor, see page 121.

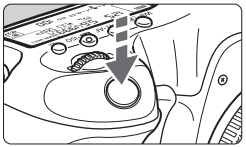
Shutter Button

The shutter button has two steps. You can press the shutter button halfway. Then you can further press the shutter button completely.



Pressing Halfway

This activates autofocusing and the automatic exposure system that sets the shutter speed and aperture.
The exposure setting (shutter speed and aperture) is displayed in the viewfinder and on the LCD panel for 4 sec. (metering timer/⏱4).



Pressing Completely

This releases the shutter and takes the picture.

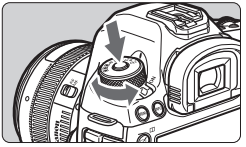
Preventing Camera Shake

Hand-held camera movement during the moment of exposure is called camera shake. It can cause blurred pictures. To prevent camera shake, note the following:

- Hold and steady the camera as shown on the preceding page.
- Press the shutter button halfway to autofocus, then slowly press the shutter button completely.

- In the <**P**> <**Tv**> <**Av**> <**M**> <**B**> shooting modes, pressing the <AF-ON> button will execute the same operation as pressing the shutter button halfway.
- If you press the shutter button completely without pressing it halfway first or if you press the shutter button halfway and then press it completely immediately, the camera will take a moment before it takes the picture.
- Even during menu display or image playback, you can go back to shooting-ready by pressing the shutter button halfway.

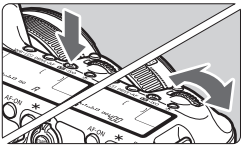
Mode Dial



Turn the dial while holding down the lock release button at the center of the dial.

Use it to set the shooting mode.

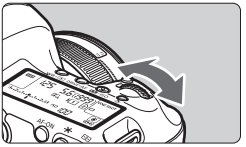
Main Dial



(1) After pressing a button, turn the <dial> dial.

When you press a button such as <WB•⊙> <DRIVE•AF> <⚡•ISO>, the respective function remains selected for 6 sec. (⏱6). During this time, you can turn the <dial> dial to change the setting. When the function selection ends or if you press the shutter button halfway, the camera will be ready to shoot.

- Use this dial to select the metering mode, AF operation, ISO speed, AF point, etc.



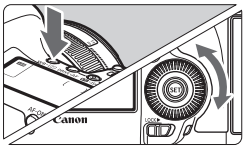
(2) Turn the <dial> dial only.

While looking at the viewfinder or LCD panel, turn the <dial> dial to change the setting.

- Use this dial to set the shutter speed, aperture, etc.

The operations in (1) are possible even when the <LOCK▶> switch is set to the right (Multi function lock, p.51).

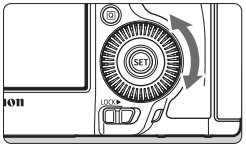
Quick Control Dial



(1) After pressing a button, turn the <◯> dial.

When you press a button such as <WB·▣> <DRIVE·AF> <⚡·ISO>, the respective function remains selected for 6 sec. (⏱6). During this time, you can turn the <◯> dial to change the setting. When the function selection ends or if you press the shutter button halfway, the camera will be ready to shoot.

- Use this dial to select the white balance, drive mode, flash exposure compensation, AF point, etc.



(2) Turn the <◯> dial only.

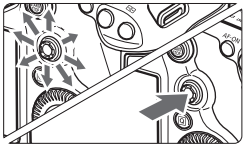
While looking at the viewfinder or LCD panel, turn the <◯> dial to change the setting.

- Use this dial to set the exposure compensation amount, the aperture setting for manual exposures, etc.

The operations in (1) are possible even when the <LOCK▶> switch is set to the right (Multi function lock, p.51).

Multi-controller

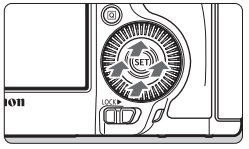
The <✣> consists of an eight-direction key and a button at the center. Use your thumb to tilt the <✣> in the desired direction.



- Use it to select the AF point, correct the white balance, move the AF point or magnifying frame during Live View shooting, scroll around magnified images during playback, operate the Quick Control screen, etc.
- You can also use it to select and set menu items.
- For menus and Quick Control, the Multi-controller works only in the vertical and horizontal directions. It does not work in diagonal directions.

Touch Pad

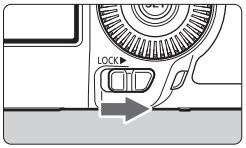
During movie shooting, the touch pad provides a quiet way to adjust the shutter speed, aperture, exposure compensation, ISO speed, and sound recording level.
This function works when [**5: Silent Control**] is set to [**Enable**].



After pressing the <Q> button, tap the <◯> dial's inner ring at the top, bottom, left, or right.

LOCK▶ Multi Function Lock

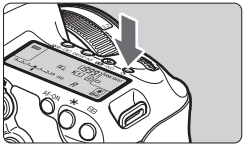
By setting [**3: Multi function lock**] and moving the <LOCK▶> switch to the right, you can prevent the Main Dial, Quick Control Dial, and Multi-controller from moving and changing a setting inadvertently.



<LOCK▶> switch set to the left:
Lock released
<LOCK▶> switch set to the right:
Lock engaged

If the <LOCK▶> switch is set to the right and you try to operate any of the locked camera controls, <**L**> will appear in the viewfinder and on the LCD panel. Also, [**LOCK**] will appear on the Quick Control screen (p.52).

LCD Panel Illumination

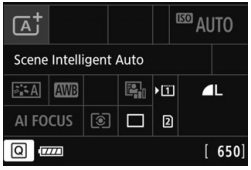


You can illuminate the LCD panel by pressing the <☼> button. Turn on (⏱6) or off the LCD panel illumination by pressing the <☼> button.

During a bulb exposure, pressing the shutter button completely will turn off the LCD panel illumination.

Displaying Quick Control Screen

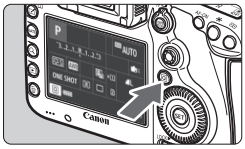
After you press the <INFO.> button a number of times, the Quick Control screen (p.54) or Custom Quick Control screen will appear. You can then check the current shooting function settings.
Pressing the <Q> button enables Quick Control of the shooting function settings (p.53).
Then you can press the <INFO.> button to turn off the screen.





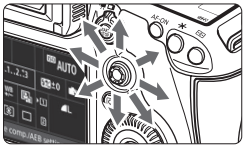
Q Quick Control for Shooting Functions

You can directly select and set the shooting functions displayed on the LCD monitor. This is called Quick Control.
The basic operating procedures are the same for the Quick Control screen (p.52) and the Custom Quick Control screen (p.54).



1 Press the <Q> button (⏱10).

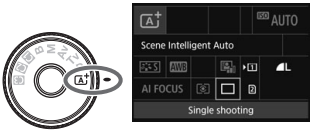
▶ The Quick Control screen will appear.



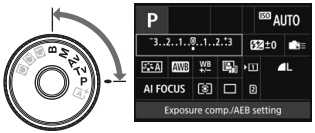
2 Set the desired functions.

- Use <✥> to select a function.
- ▶ The setting of the selected function is displayed.
- Turn the <◯> or <⬭> dial to change the setting.

● **<A+> mode**



● **<P/Tv/Av/M/B> modes**

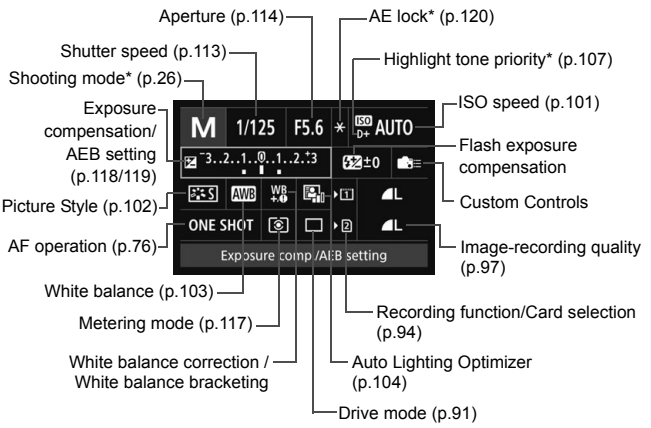


3 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed.

In the <A+> mode with the Quick Control screen displayed, you can only set recording function, card selection, image-recording quality, and drive mode.

Settable Functions on Quick Control Screen

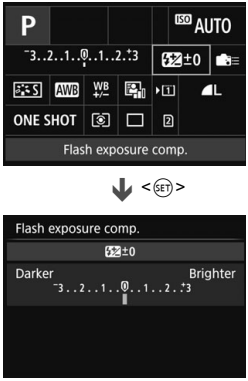


* Functions marked with an asterisk cannot be set with the Quick Control screen.

Custom Quick Control Screen

You can customize the layout of the Custom Quick Control screen. This feature lets you display and position the shooting functions on the Custom Quick Control screen as desired. Refer to “Instruction Manual” (PDF file, p.154) on the EOS Camera Instruction Manuals Disk DVD-ROM.

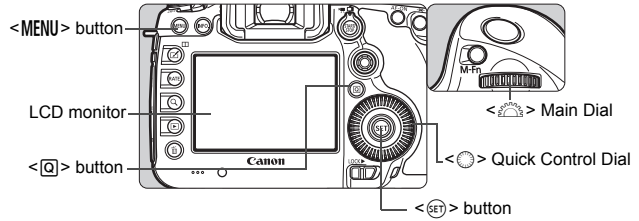
Quick Control Screen



- Select a function and press <SET>. The function setting screen will appear.
- Turn the <dial> or <dial> dial to change some of the settings. There are also functions that are set by pressing the button.
- Press <SET> to finalize the setting and return to the previous screen.

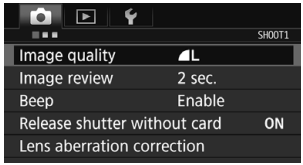
MENU Menu Operations

You can set various settings with the menus such as the image-recording quality, date/time, etc.



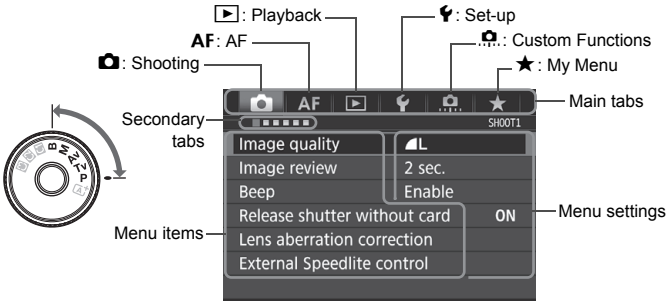
A+ Mode Menu Screen



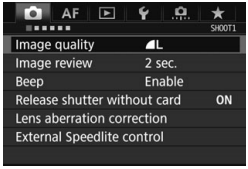


*** Certain menu tabs and menu items are not displayed in the <A+> mode.**

P/Tv/Av/M/B Mode Menu Screen



Menu Setting Procedure

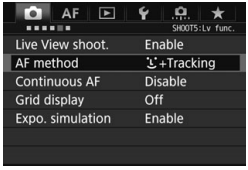


1 Display the menu screen.

- Press the <MENU> button to display the menu screen.

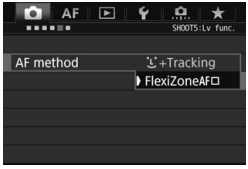
2 Select a tab.

- Each time you press the <Q> button, the main tab will switch.
- Turn the <dial> dial to select a secondary tab.
- For example, the [**5**] tab refers to the screen displayed when the (Shooting) tab's fifth dot "■" from the left is selected.



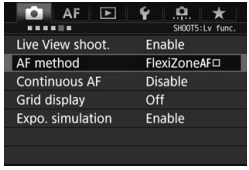
3 Select the desired item.

- Turn the <dial> dial to select the item, then press <SET>.



4 Select the setting.

- Turn the <dial> dial to select the desired setting.
- The current setting is indicated in blue.



5 Adjust the setting.

- Press <SET> to set it.

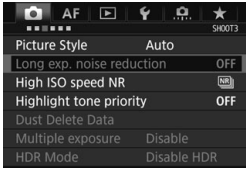
6 Exit the setting.

- Press the <MENU> button to exit the menu and return to shooting-ready.

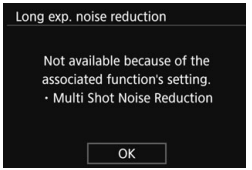
- The explanation of menu functions hereinafter assumes that you have pressed the <MENU> button to display the menu screen.
- You can also use <☆> to operate and set menu functions. (Except for [▶**1: Erase images**] and [**1: Format card**].)
- To cancel the operation, press the <MENU> button.

Dimmed Menu Items

Example: When Multi Shot Noise Reduction is set



Dimmed menu items cannot be set. The menu item is dimmed if another function setting is overriding it.



You can see the overriding function by selecting the dimmed menu item and pressing <(SET)>.
If you cancel the overriding function's setting, the dimmed menu item will become settable.

Some dimmed menu items will not show the overriding function.

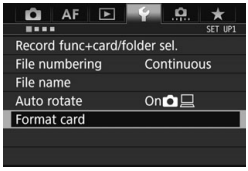
With [**4: Clear all camera settings**], you can reset the menu functions to the default settings (p.62).

MENU Formatting the Card

If the card is new or was previously formatted by another camera or computer, format the card with this camera.

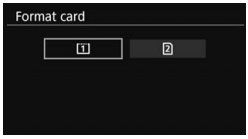
Cautions for Formatting the Card

When the card is formatted, all images and data on the card will be erased. Even protected images will be erased, so make sure there is nothing you need to keep. If necessary, transfer the images and data to a computer, etc., before formatting the card.



1 Select [Format card].

- Under the [**1**] tab, select [**Format card**], then press <(SET)>.



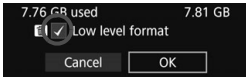
2 Select the card.

- [1] is the CF card, and [2] is the SD card.
- Select the card, then press <(SET)>.



3 Select [OK].

▶ The card will be formatted.



- When [2] is selected, low-level formatting is possible (p.60). For low-level formatting, press the <🗑> button to append [**Low level format**] with a checkmark <✓>, then select [**OK**].

Format the card in the following cases:

- **The card is new.**
- **The card was formatted by a different camera or a computer.**
- **The card is full with images or data.**
- **A card-related error is displayed**.

Low-level Formatting

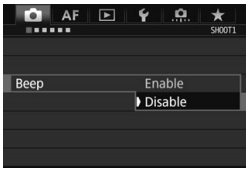
- Perform low-level formatting if the SD card's reading or writing speed seems slow or if you want to totally erase all data on the card.
- Since low-level formatting will erase all recordable sectors on the SD card, the formatting will take longer than normal formatting.
- You can stop the low-level formatting by selecting [**Cancel**]. Even in this case, normal formatting will be completed and you can use the SD card as usual.

- When the card is formatted or data is erased, only the file management information is changed. The actual data is not completely erased. Be aware of this when selling or discarding the card. When discarding the card, execute low-level formatting or destroy the card physically to prevent the personal data from being leaked.
- Before using a new Eye-Fi card, the software on the card must be installed on your computer. Then format the card with the camera.

- The card capacity displayed on the card format screen may be smaller than the capacity indicated on the card.
- This device incorporates exFAT technology licensed from Microsoft.

MENU Disabling the Beeper

You can prevent the beeper from sounding when focus is achieved or during self-timer operation.



1 Select [Beep].

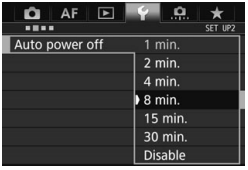
- Under the [**1**] tab, select [**Beep**], then press <(SET)>.

2 Select [Disable].

- Select [**Disable**], then press <(SET)>.
- ▶ The beeper will not sound.

MENU Setting the Power-off Time/Auto Power Off

To save battery power, the camera turns off automatically after a set time of idle operation elapses. The default setting is 1 min., but this setting can be changed. If you do not want the camera to turn off automatically, set this to [**Disable**]. After the power turns off, you can turn on the camera again by pressing the shutter button or other buttons.



1 Select [Auto power off].

- Under the [**2**] tab, select [**Auto power off**], then press <(SET)>.

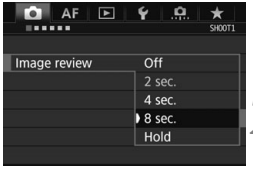
2 Set the desired time.

- Select the desired setting, then press <(SET)>.

Even if [**Disable**] is set, the LCD monitor will turn off automatically after 30 min. to save power. (The camera's power does not turn off.)

MENU Setting the Image Review Time

You can set how long the image is displayed on the LCD monitor just after shooting. To keep the image displayed, set [**Hold**]. To not have the image displayed, set [**Off**].



1 Select [Image review].

- Under the [**1**] tab, select [**Image review**], then press <(SET)>.

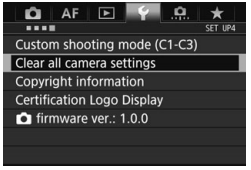
2 Set the desired time.

- Select the desired setting, then press <(SET)>.

If [**Hold**] is set, the image will be displayed until the auto power off time elapses.

MENU Reverting the Camera to the Default Settings ☆

The camera's shooting function settings and menu settings can be reverted to their defaults.



1 Select [Clear all camera settings].

- Under the [**4**] tab, select [**Clear all camera settings**], then press <(SET)>.



2 Select [OK].

Displaying the Grid

You can display a grid in the viewfinder to help you check the camera tilt or compose the shot.



1 Select [Viewfinder display].

- Under the [**2**] tab, select [**Viewfinder display**], then press <(SET)>.

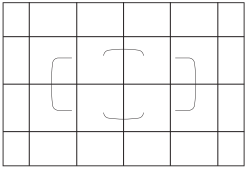


2 Select [Grid display].



3 Select [Show].

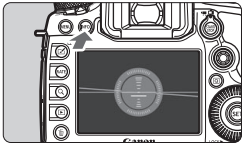
- ▶ When you exit the menu, the grid will appear in the viewfinder.



Displaying the Electronic Level

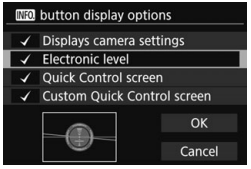
You can display the electronic level on the LCD monitor and in the viewfinder to help you correct camera tilt.

Displaying the Electronic Level on the LCD Monitor

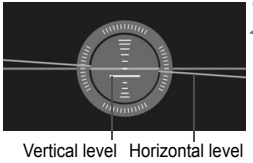


1 Press the <INFO.> button.

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



- If the electronic level does not appear, set [**3: INFO. button display options**] so that the electronic level can be displayed.



2 Check the camera's tilt.

- The horizontal and vertical tilt are displayed in 1° increments.
- When the red line turns green, it indicates that the tilt is almost corrected.



MENU Displaying the Electronic Level in the Viewfinder

An electronic level can be displayed on the upper part of the viewfinder. Since this can be displayed while you shoot, you can correct the camera tilt while shooting.



1 Select [Viewfinder display].

- Under the [**2**] tab, select [**Viewfinder display**], then press <(SET)>.



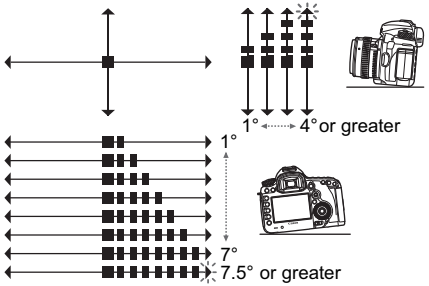
2 Select [Electronic level].



3 Select [Show].

4 Press the shutter button halfway.

- ▶ The electronic level will be displayed in the viewfinder.
- This also works with vertical shooting.



MENU Setting the Viewfinder Information Display ☆

The shooting function settings (Battery, White balance, Drive mode, AF operation, Metering mode, Image quality: JPEG/RAW, Flicker detection) can be displayed in the viewfinder.
By default, only Flicker detection is checkmarked [✓].

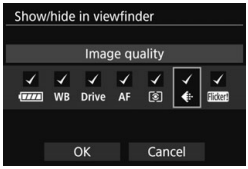


1 Select [Viewfinder display].

- Under the [**2**] tab, select [**Viewfinder display**], then press <(SET)>.



2 Select [Show/hide in viewfinder].



3 Checkmark [✓] the information to be displayed.

- Select the information to display and press <(SET)> to append a checkmark <✓>.
- Repeat this procedure to append a checkmark [✓] to all the information to be displayed. Then select [**OK**].

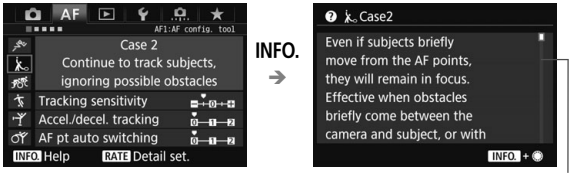
▶ When you exit the menu, the checkmarked information will appear in the viewfinder.



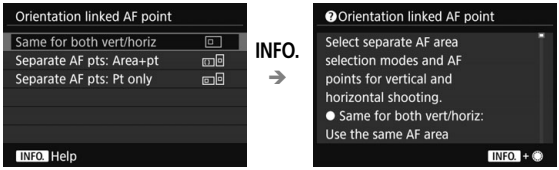
Help

When [**INFO. Help**] is displayed at the bottom of the menu screen, the feature's description (Help) can be displayed. The Help screen is displayed only while you hold down the <**INFO.**> button. If the Help fills more than one screen, a scroll bar will appear on the right edge. To scroll, hold down the <**INFO.**> button and turn the <◯> dial.

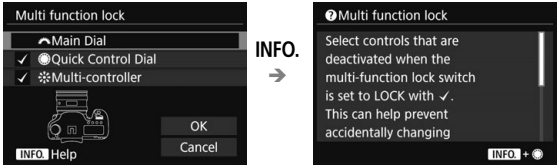
- **Example: [AF1: Case2]**



- **Example: [AF4: Orientation linked AF point]**



- **Example: [3: Multi function lock]**



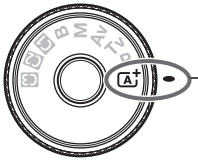


2

Basic Shooting

This chapter explains how to use the Mode Dial's <A+> (Scene Intelligent Auto) mode for easy picture taking.

In the <A+> mode, all you do is point and shoot and the camera sets everything automatically. Also, to prevent botched pictures due to mistaken operations, advanced shooting function settings cannot be changed.



Auto Lighting Optimizer

In the <A+> mode, the Auto Lighting Optimizer (p.104) will adjust the image automatically to obtain the optimum brightness and contrast. It is also enabled by default in the <**P**>, <**Tv**>, or <**Av**> mode.

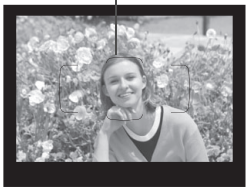
Fully Automatic Shooting (Scene Intelligent Auto)

<A+> is a fully automatic mode. The camera analyzes the scene and sets the optimum settings automatically. It also adjusts focus automatically by detecting whether the subject is still or moving (p.73).



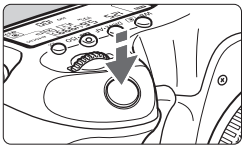
1 Set the Mode Dial to <A+>.

- Turn the Mode Dial while holding down the lock release button at the center.



2 Aim the Area AF frame over the subject.

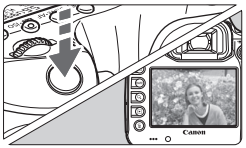
- All the AF points will be used to focus, and the camera will focus on the closest object.
- Aiming the center of the Area AF frame over the subject will make focusing easier.



3 Focus on the subject.

- Press the shutter button halfway. The lens elements will shift to focus.
- ▶ During the autofocus operation, <◣◢> will be displayed.
- ▶ The AF point that achieves focus will be displayed. At the same time, the beeper will sound and the focus indicator <●> will light up.
- ▶ In low light, the AF point(s) will light up briefly in red.





4 Take the picture.

- Press the shutter button completely to take the picture.
- ▶ The captured image will be displayed for 2 sec. on the LCD monitor.

The <A+> mode makes the colors look more impressive in nature, outdoor, and sunset scenes. If you did not obtain the desired color tones, change the mode to <**P**>, <**Tv**>, <**Av**>, or <**M**>, set a Picture Style other than <S-A>, then shoot again (p.102).

FAQ

- **The focus indicator <●> blinks and focus is not achieved.**
  Aim the Area AF frame over an area with good contrast, then press the shutter button halfway (p.47). If you are too close to the subject, move away and try again. If focus cannot be achieved, the AF status indicator <◣◢> will also blink.
- **When focus is achieved, the AF points do not light up in red.**
  The AF points light up in red only when focus is achieved in low-light conditions.
- **Multiple AF points light up simultaneously.**
  Focus has been achieved at all those points. You can take the picture as long as an AF point covering the target subject is lighting up.
- **The beeper continues to beep softly. (The focus indicator <●> does not light up.)**
  It indicates that the camera is focusing continuously on a moving subject. (The AF status indicator <◣◢> lights up, but the focus confirmation light <●> does not light up.) You can take sharp pictures of a moving subject.
  Note that focus lock (p.73) will not work in this case.

- **Pressing the shutter button halfway does not focus on the subject.**
  If the focus mode switch on the lens is set to <**MF**> (manual focus), set it to <**AF**> (autofocus).
- **The shutter speed display is blinking.**
  Since it is too dark, taking the picture may result in a blurred subject due to camera shake. Using a tripod or a Canon EX-series Speedlite (sold separately) is recommended.
- **When the external flash was used, the bottom part of the picture came out unnaturally dark.**
  If a hood is attached to the lens, it can obstruct the flash light. If the subject is close, detach the hood before taking the picture with flash.

Full Auto Techniques (Scene Intelligent Auto)

Recomposing the Shot



Depending on the scene, position the subject toward the left or right to create a balanced background and good perspective.
In the <A+> mode, pressing the shutter button halfway to focus on a still subject will lock the focus on that subject. Recompose the shot while keeping the shutter button pressed halfway, and then press the shutter button completely to take the picture. This is called “focus lock”.

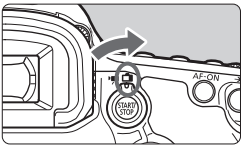
Shooting a Moving Subject



In the <A+> mode, if the subject moves (distance to camera changes) while or after you focus, AI Servo AF will take effect to focus on the subject continuously. (The beeper will continue beeping softly.) As long as you keep the Area AF frame positioned over the subject while pressing the shutter button halfway, the focusing will be continuous. When you want to take the picture, press the shutter button completely.

Live View Shooting

You can shoot while viewing the image on the LCD monitor. This is called “Live View shooting”. For details, see page 121.



1 Set the Live View shooting/Movie shooting switch to <📷>.



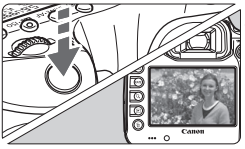
2 Display the Live View image on the LCD monitor.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.



3 Focus on the subject.

- Press the shutter button halfway to focus.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.

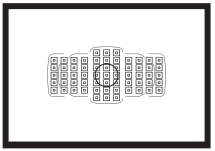


4 Take the picture.

- Press the shutter button completely.
- ▶ The picture is taken and the captured image is displayed on the LCD monitor.
- ▶ When the playback display ends, the camera will return to Live View shooting automatically.
- Press the <START/STOP> button to exit the Live View shooting.

3

Setting the AF and Drive Modes



The AF points in the viewfinder are arranged to make AF shooting suitable for a wide variety of subjects and scenes.

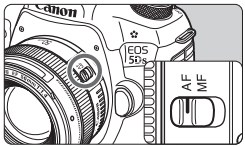
You can also select the AF operation and drive mode that best match the shooting conditions and subject.

- A ☆ icon at the upper right of a page title indicates a function that can be used only in the following modes: <**P**> <**Tv**> <**Av**> <**M**> <**B**>.
- In the <A+> mode, the AF operation and AF area selection mode are set automatically.

<**AF**> stands for autofocus. <**MF**> stands for manual focus.

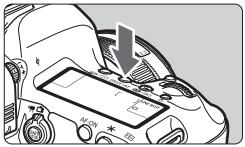
AF: Selecting the AF Operation ☆

You can select the AF operation characteristics to suit the shooting conditions or subject. In the <A+> mode, "AI Focus AF" is set automatically.

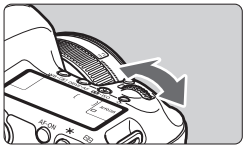


1 Set the lens's focus mode switch to <AF>.

2 Set the <P> <Tv> <Av> <M> <B> mode.



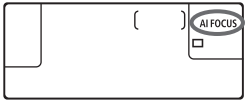
3 Press the <DRIVE·AF> button. (⏱6)



4 Select the AF operation.

- While looking at the LCD panel or in the viewfinder, turn the <dial> dial.

ONE SHOT : One-Shot AF
AI FOCUS : AI Focus AF
AI SERVO : AI Servo AF



One-Shot AF for Still Subjects



Suited for still subjects. When you press the shutter button halfway, the camera will focus only once.

- When focus is achieved, the AF point that achieved focus will be displayed, and the focus indicator <●> in the viewfinder will also light up.
- With evaluative metering (p.117), the exposure setting will be set at the same time as focus is achieved.
- While you hold down the shutter button halfway, the focus will be locked. You can then recompose the shot if desired.

AI Servo AF for Moving Subjects

This AF operation is suited for moving subjects when the focusing distance keeps changing. While you hold down the shutter button halfway, the camera will keep focusing on the subject continuously.

- The exposure is set at the moment the picture is taken.
- When the AF area selection mode (p.79) is set to 61-point automatic selection AF, focus tracking will continue as long as the Area AF frame covers the subject.

AI Focus AF for Switching the AF Operation Automatically

AI Focus AF switches the AF operation from One-Shot AF to AI Servo AF automatically if a still subject starts moving.

- After the subject is focused in One-Shot AF, if the subject starts moving, the camera will detect the movement, change the AF operation automatically to AI Servo AF, and start tracking the moving subject.

AF Operation Indicator



While you press the shutter button halfway and the camera focuses with AF, the <◣◢> icon will appear under the focus indicator in the viewfinder.

In One-Shot AF mode, the icon also appears if you press the shutter button halfway after focus is achieved.

AF Points Lighting Up in Red

By default, the AF points light up in red in low-light conditions.

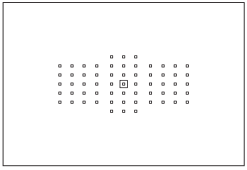
Selecting the AF Area and AF Point ☆

The camera has 61 AF points for autofocusing. You can select the AF area selection mode and AF point(s) suiting the scene or subject.

Depending on the lens attached to the camera, the number of usable AF points and AF point patterns will differ. For details, see "Lenses and Usable AF Points" on page 84.

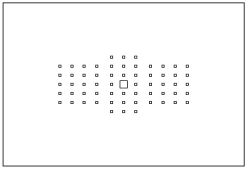
AF Area Selection Mode

You can select one of six AF area selection modes. For the setting procedure, see page 81.



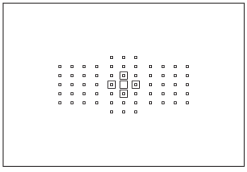
Single-point Spot AF (Manual selection)

For pinpoint focusing.



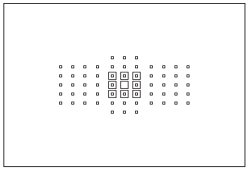
Single-point AF (Manual selection)

Select one AF point to focus.



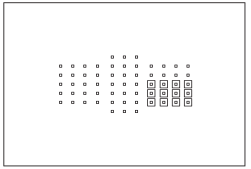
AF point expansion (Manual selection)

The manually-selected AF point <□> and four adjacent AF points <▫> (above, below, on the left, and on the right) are used to focus.



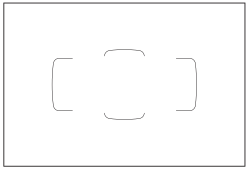
AF point expansion (Manual selection, surrounding points)

The manually-selected AF point <□> and the surrounding AF points <▫> are used to focus.



Zone AF (Manual selection of zone)

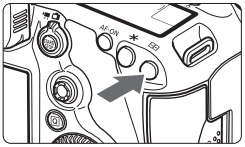
One of nine zones is used to focus.



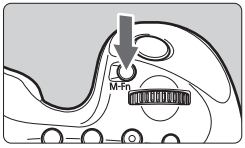
61-point automatic selection AF

The Area AF frame (entire AF area) is used to focus. **This mode is set automatically in the <A+> mode.**

Selecting the AF Area Selection Mode



1 Press the <⊡> button. (⏱6)

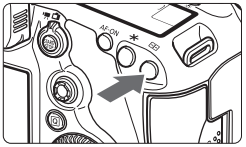


2 Press the <M-Fn> button.

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

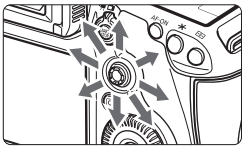
Selecting the AF Point Manually

You can manually select the AF point or zone.



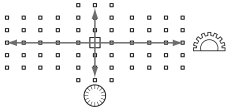
1 Press the <⊡> button. (⏱6)

- ▶ The AF points will be displayed in the viewfinder.
- In AF point expansion modes, adjacent AF points will also be displayed.
- In the Zone AF mode, the selected zone will be displayed.



2 Select an AF point.

- The AF point selection will change in the direction you tilt <✥>. If you press <✥> straight down, the center AF point (or center zone) will be selected.
- You can also select a horizontal AF point by turning the <◎> dial and select a vertical AF point by turning the <⊙> dial.
- In the Zone AF mode, turning the <◎> or <⊙> dial will change the zone in a looping sequence.



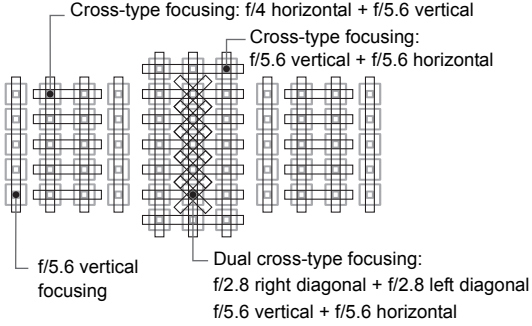
AF Point Display Indications

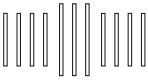
Pressing the <⊡> button lights up the AF points that are cross-type AF points for high-precision autofocusing. The blinking AF points are horizontal-line or vertical-line sensitive. For details, see pages 83-88.

AF Sensor

The camera's AF sensor has 61 AF points. The illustration below shows the AF sensor pattern corresponding to each AF point. With f/2.8 or larger maximum aperture lenses, high-precision AF is possible at the viewfinder center.
Depending on the lens attached to the camera, the number of usable AF points and AF pattern will differ. For details, see pages 84-88.

Diagram



	These focusing sensors are geared to obtain higher precision focusing with f/2.8 or larger maximum aperture lenses. A diagonal cross pattern makes it easier to focus subjects that may be difficult to focus. They cover the five AF points vertically aligned at the center.
	These focusing sensors are geared to obtain high-precision focusing with f/4 or larger maximum aperture lenses. Since they have a horizontal pattern, they can detect vertical lines.
	These focusing sensors are geared for f/5.6 or larger maximum aperture lenses. Since they have a horizontal pattern, they can detect vertical lines. They cover the three columns of AF points at the viewfinder's center. The center AF point and the adjacent AF points at the top and bottom are compatible with f/8 or larger maximum-aperture lenses.
	These focusing sensors are geared for f/5.6 or larger maximum aperture lenses. Since they have a vertical pattern, they can detect horizontal lines. They cover all 61 AF points. The center AF point and the adjacent AF points on the left and on the right are compatible with f/8 or larger maximum-aperture lenses.

Lenses and Usable AF Points

- Although the camera has 61 AF points, **the number of usable AF points and focusing patterns will differ depending on the lens. The lenses are thereby classified into nine groups from A to I.**
- **When using a lens in Groups F to H, fewer AF points will be usable.**
- **To see which group a lens belongs to, refer to "Instruction Manual" (PDF file, p.154) on the EOS Camera Instruction Manuals Disk DVD-ROM.**

- When you press the <⊡> button, the AF points indicated by the □ mark will blink. (The ■/■/□ AF points will stay lit.) Regarding lighting up or blinking of the AF points, see page 82.
- Regarding new lenses marketed after the EOS 5DS/EOS 5DS R (in the first half of 2015), check the Canon website to see which group they belong to.
- Some lenses may not be available in certain countries or regions.

Group A

Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



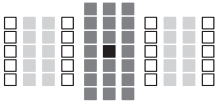
■: Dual cross-type AF point. Subject tracking is superior and the focusing precision is higher than with other AF points.

■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.

□: AF points sensitive to horizontal lines.

Group B

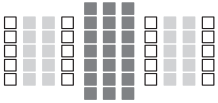
Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



■: Dual cross-type AF point. Subject tracking is superior and the focusing precision is higher than with other AF points.
■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.

Group C

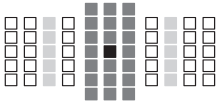
Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.

Group D

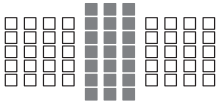
Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



■: Dual cross-type AF point. Subject tracking is superior and the focusing precision is higher than with other AF points.
■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.

Group E

Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.

Group F

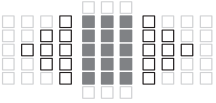
Autofocusing with only 47 points is possible. (Not possible with all 61 AF points.) All the AF area selection modes are selectable. During automatic AF point selection, the outer frame marking the AF area (Area AF frame) will be different from 61-point automatic selection AF.



■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.
□: Disabled AF points (not displayed).

Group G

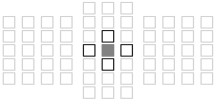
Autofocusing with only 33 points is possible. (Not possible with all 61 AF points.) All the AF area selection modes are selectable. During automatic AF point selection, the outer frame marking the AF area (Area AF frame) will be different from 61-point automatic selection AF.



■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.
□: Disabled AF points (not displayed).

Group H

AF is possible with the center AF point and the adjacent AF points above, below, on the left, and on the right. Only the following AF area selection modes are selectable: Single-point AF (manual selection), Single-point Spot AF (manual selection), and AF point expansion (manual selection ▫⁘▫).
If an Extender is attached to the lens and the maximum aperture is f/8 (between f/5.6 and f/8), AF will be possible.

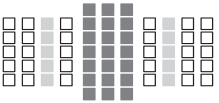


■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to vertical lines (top and bottom AF points adjacent to the center AF point) or horizontal lines (left and right AF points adjacent to the center AF point). Not manually selectable. It works only when "AF point expansion (manual selection ▫⁘▫)" is selected.
□: Disabled AF points (not displayed).

- If the maximum aperture is smaller than f/5.6 (maximum aperture number is between f/5.6 and f/8), focus may not be achieved with AF when shooting low-contrast or low-light subjects.
- When Extender EF2x is attached to the EF180mm f/3.5L Macro USM lens, AF is not possible.
- If the maximum aperture is smaller than f/8 (maximum aperture number exceeds f/8), AF is not possible during viewfinder shooting.

Group I

Autofocusing with 61 points is possible. All the AF area selection modes are selectable.



■: Cross-type AF point. Subject tracking is superior and high-precision focusing is achieved.
□: AF points sensitive to horizontal lines.

MENU Selecting AI Servo AF Characteristics ☆

You can easily fine-tune AI Servo AF to suit a particular subject or shooting scene just by selecting an option from case 1 to case 6. This feature is called the “AF Configuration Tool.”



1 Select the [AF1] tab.

2 Select a case.

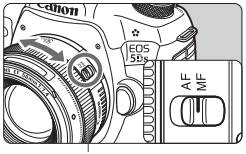
- Turn the <◌> dial to select a case icon, then press <(SET)>.
- ▶ The selected case will be set. The selected case is indicated in blue.

Case 1 to 6

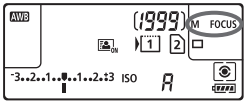
Case 1 to 6 are six setting combinations of “Tracking sensitivity”, “Acceleration/deceleration tracking”, and “AF point auto switching”. Refer to the table below to select the case applicable to the subject or shooting scene.

Case	Icon	Description	Applicable Subjects
Case 1		Versatile multi purpose setting	For any moving subject.
Case 2		Continue to track subjects, ignoring possible obstacles	Tennis players, butterfly swimmers, freestyle skiers, etc.
Case 3		Instantly focus on subjects suddenly entering AF points	Starting line of a bicycle race, alpine downhill skiers, etc.
Case 4		For subjects that accelerate or decelerate quickly	Soccer, motor sports, basketball, etc.
Case 5		For erratic subjects moving quickly in any direction	Figure skaters, etc.
Case 6		For subjects that change speed and move erratically	Rhythm gymnastics, etc.

MF: Manual Focus



Focusing ring



1 Set the lens's focus mode switch to <MF>.

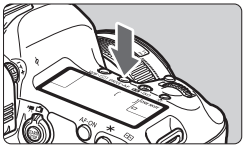
▶ <**M FOCUS**> will be displayed on the LCD panel.

2 Focus on the subject.

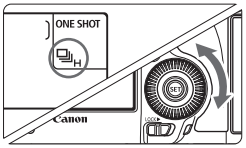
- Focus by turning the lens's focusing ring until the subject looks sharp in the viewfinder.

Selecting the Drive Mode

Single and continuous drive modes are provided. You can select the drive mode suiting the scene or subject.



1 Press the <DRIVE•AF> button. (⏱6)



2 Select the drive mode.

- While looking at the LCD panel or in the viewfinder, turn the <◯> dial.

□ : **Single shooting**
When you press the shutter button completely, only one shot will be taken.

□H : **High-speed continuous shooting**
While you hold down the shutter button completely, the camera will shoot continuously at a **maximum of approx. 5.0 shots/sec.**

□ : **Low-speed continuous shooting**
While you hold down the shutter button completely, the camera will shoot continuously at a **maximum of approx. 3.0 shots/sec.**

□S : **Silent single shooting**
Single shooting with less shooting sound than <□> during viewfinder shooting.

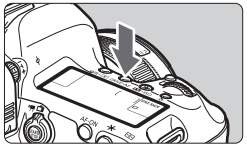
□S : **Silent continuous shooting**
Continuous shooting with less shooting sound than <□> during viewfinder shooting. The camera will shoot continuously at a **maximum of approx. 3.0 shots/sec.**

⏱ : **10-sec. self-timer/remote control**

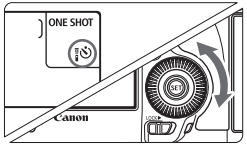
⏱2 : **2-sec. self-timer/remote control**

Using the Self-timer

Use the self-timer when you want to be in the picture.



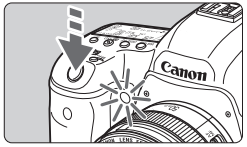
1 Press the <DRIVE•AF> button. (6)



2 Select the self-timer.

- While looking at the LCD panel or in the viewfinder, turn the <◯> dial.

  : **10-sec. self-timer**
  $_2$: **2-sec. self-timer**



3 Take the picture.

- Look through the viewfinder, focus on the subject, then press the shutter button completely.
- ▶ You can check the self-timer operation with the self-timer lamp, beeper, and countdown display (in seconds) on the LCD panel.
- ▶ 2 sec. before the picture is taken, the self-timer lamp will light up and the beeper will sound faster.

4

Image Settings

This chapter explains image-related function settings: Image-recording quality, Crop/aspect, ISO speed, Picture Style, white balance, Auto Lighting Optimizer, noise reduction, highlight tone priority, lens aberration correction, anti-flicker shooting, and other functions.

- A ☆ icon at the upper right of a page title indicates a function that can be used only in the following modes: <**P**> <**Tv**> <**Av**> <**M**> <**B**>.

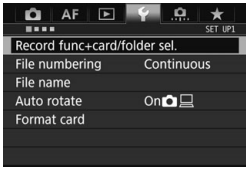
MENU Selecting the Card for Recording and Playback

If either a CF card or SD card is already inserted in the camera, you can start recording captured images. When only one card is inserted, you do not have to follow the procedures described on pages 94-96.

If you insert both a CF card and SD card, you can select the recording method and select which card to use for recording and playing back images.

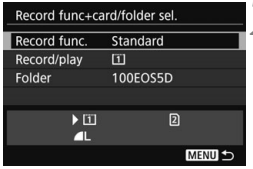
[1] indicates the CF card, and [2] the SD card.

Recording Method with Two Cards Inserted

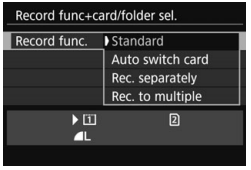


1 Select [Record func+card/folder sel.].

- Under the [1] tab, select [**Record func+card/folder sel.**], then press <(SET)>.



2 Select [Record func.].



3 Select the recording method.

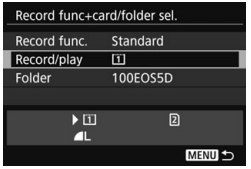
- Select the recording method, then press <(SET)>.

- **Standard**
  Images will be recorded to the card selected with [**Record/play**].
- **Auto switch card**
  Same as with the [**Standard**] setting, but if the card becomes full, the camera will automatically switch to the other card to record images. When the card is automatically switched, a new folder will be created.
- **Rec. separately**
  You can set the image-recording quality for each card (p.97). Each image is recorded to both the CF and SD cards at the image-recording quality you set. You can freely set the image-recording quality, such as to ◢L and RAW, or S3 and M RAW.
- **Rec. to multiple**
  Each image is recorded to both the CF and SD cards simultaneously at the same image size. You can also select RAW+JPEG.

Selecting the CF or SD Card for Recording and Playback

If [**Record func.**] is set to [**Standard**] or [**Auto switch card**], select the card for recording and playing back images.
If [**Record func.**] is set to [**Rec. separately**] or [**Rec. to multiple**], select the card for playing back images.

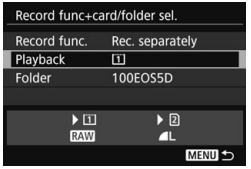
Standard / Auto switch card



Select [Record/play].

- Select [**Record/play**], then press <(SET)>.
  - 1 : Record images to and play images back from the CF card.
  - 2 : Record images to and play images back from the SD card.
- Select the card, then press <(SET)>.

Rec. separately / Rec. to multiple

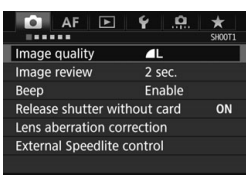


Select [Playback].

- Select [**Playback**], then press <(SET)>.
  - 1 : Play back the CF card's images.
  - 2 : Play back the SD card's images.
- Select the card, then press <(SET)>.

MENU Setting the Image-Recording Quality

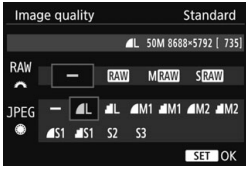
You can select the pixel count and the image quality. There are ten JPEG image-recording quality settings: **◢L**, **◢L**, **◢M1**, **◢M1**, **◢M2**, **◢M2**, **◢S1**, **◢S1**, **S2**, **S3**. There are three RAW image quality settings: **RAW**, **M RAW**, **S RAW**.



1 Select [Image quality].

- Under the [📷**1**] tab, select [**Image quality**], then press <(SET)>.

Standard / Auto switch card / Rec. to multiple



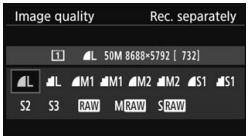
2 Select the image-recording quality.

- To select a RAW quality, turn the <◯> dial. To select a JPEG quality, turn the <◯> dial.
- On the upper right, the "****M** (megapixels) ******x******" number indicates the recorded pixel count, and [*******] is the number of possible shots (displayed up to 9999).
- Press <(SET)> to set it.

Rec. separately



- Under [**1: Record func+card/ folder sel.**], if [**Record func.**] is set to [**Rec. separately**], select CF card [1] or SD card [2], then press <(SET)>.



- Select the desired image-recording quality, then press <(SET)>.

Guide to Image-Recording Quality Settings (Approx.)

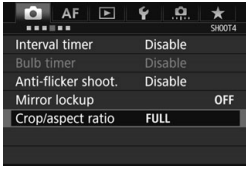
Image Quality		Pixels Recorded	Print Size	File Size (MB)	Possible Shots	Maximum Burst
JPEG	4 L	50M	A1	14.1	510	31 (510)
	3 L			7.0	1030	1030 (1030)
	4 M1	39M		10.9	660	45 (660)
	3 M1			5.5	1310	1310 (1310)
	4 M2	22M	A2	7.1	1010	1010 (1010)
	3 M2			3.5	2030	2030 (2030)
	4 S1	12M	A3	4.5	1590	1590 (1590)
	3 S1			2.3	3120	3120 (3120)
	S2 *1	2.5M	9x13 cm	1.2	5600	5600 (5600)
	S3 *2	0.3M	-	0.3	20380	20380 (20380)
RAW	RAW	50M	A1	60.5	100	12 (14)
	M RAW	28M	A2	44.0	140	12 (14)
	S RAW	12M	A3	29.8	190	14 (15)
RAW + JPEG	RAW + 4 L	50M + 50M	A1 + A1	60.5+14.1	87	12 (12)
	M RAW + 4 L	28M + 50M	A2 + A1	44.0+14.1	110	11 (12)
	S RAW + 4 L	12M + 50M	A3 + A1	29.8+14.1	140	14 (14)

*1: S2 is suitable for playing back the images on a digital photo frame.
*2: S3 is suitable for emailing the image or using it on a website.

- S2 and S3 will be in 4 (Fine) quality.
- The file size, possible shots, and maximum burst during continuous shooting are based on Canon's testing standards (Crop/aspect ratio: Full-frame, ISO 100 and Standard Picture Style) using an 8 GB CF card. **These figures will vary by the subject, card brand, crop/aspect ratio, ISO speed, Picture Style, Custom Functions, and other settings.**
- The maximum burst applies to <□H> high-speed continuous shooting. Figures in parentheses apply to an Ultra DMA (UDMA) 7 CF card, based on Canon's testing standards.

Setting Crop/Aspect Ratio ☆

Normally, images are recorded at the sensor size of approx. 36.0 mm x 24.0 mm (full-frame shooting). You can record only the center of the image magnified approx. 1.3x (equivalent to APS-H size) or approx. 1.6x (equivalent to APS-C size) as if you were using a telephoto lens (crop shooting) or set the desired aspect ratio before you shoot.



1 Select [Crop/aspect ratio].

- Under the [**4**] tab, select [**Crop/ aspect ratio**], then press <(SET)>.



2 Select the desired setting.

Viewfinder shooting

- Select any of the following: [**Full-frame**], [**1.3x (crop)**], [**1.6x (crop)**], or [**1:1 (aspect ratio)**].
- If you set [**4:3 (aspect ratio)**] or [**16:9 (aspect ratio)**] and use the viewfinder to shoot, the shooting result will be the same as with [**Full-frame**].

Live View shooting (p.122)

- You can select any setting.
- If you will not change the shooting area display, press <(SET)> and go to step 4.



3 Select the shooting area display.

- With the screen in step 2 displayed, press the <INFO.> button.
- Select either [**Masked**] or [**Outlined**], then press <(SET)>.

Example settings

With 1.6• ▭



With 1:1• ▯



With 1.3



With 4:3• ▭



4 Take the picture.

Viewfinder shooting

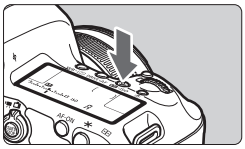
- The shooting area in the viewfinder will be masked or have frame lines.
- The area surrounded by the semi-transparent masking or frame lines will be recorded as an image.

Live View shooting

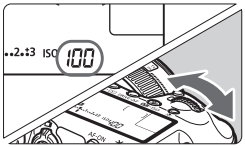
- When [**1.3x (crop)**] or [**1.6x (crop)**] is set, the displayed image will be magnified by approx. 1.3x or 1.6x respectively.
- Regardless of the [**Shooting area**] setting, the area shown by the displayed image will be recorded.
- If you select [**1:1 (aspect ratio)**], [**4:3 (aspect ratio)**], or [**16:9 (aspect ratio)**], the area surrounded by the masking or frame lines will be recorded as an image.

ISO: Setting the ISO Speed ☆

Set the ISO speed (image sensor's sensitivity to light) to suit the ambient light level. With the <A+> mode selected, the ISO speed will be set automatically.



1 Press the <⚡·ISO> button. (⏱6)



2 Set the ISO speed.

- While looking at the LCD panel or in the viewfinder, turn the <◎> dial.
- ISO speed can be set within ISO 100 - ISO 6400 in 1/3-stop increments.
- "**A**" indicates Auto ISO. The ISO speed will be set automatically.

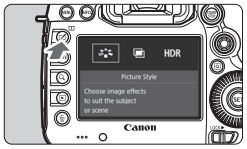
ISO Speed Guide

ISO speed	Shooting Situation (No flash)	Flash Range
L, ISO 100 - ISO 400	Sunny outdoors	The higher the ISO speed, the farther the flash range will be.
ISO 400 - ISO 1600	Overcast skies or evening time	
ISO 1600 - ISO 6400, H	Dark indoors or night	

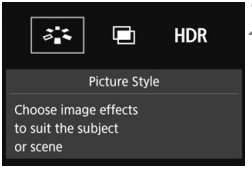
* High ISO speeds will result in grainier images.

Selecting a Picture Style ☆

By selecting a Picture Style, you can obtain image characteristics matching your photographic expression or the subject.
The Picture Style is set automatically to [AUTO] (Auto) in the <A+> mode.

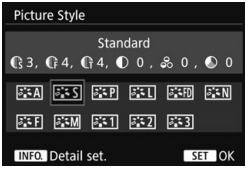


1 Press the <Q> button.



2 Select [Picture Style].

▶ The Picture Style selection screen will appear.

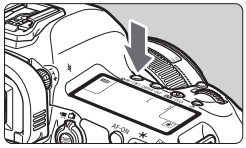


3 Select a Picture Style.

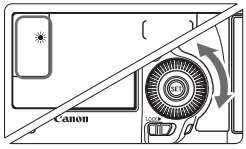
▶ The Picture Style will be set and the camera will be ready to shoot.

WB: Setting the White Balance ☆

White balance (WB) is for making the white areas look white. Normally, the Auto [AWB] (Ambience priority) or [AWB W] (White priority) setting will obtain the correct white balance. If natural-looking colors cannot be obtained with Auto, you can select the white balance to match the light source or set it manually by shooting a white object.
<A+> is automatically set in the [AWB] (Ambience priority) mode.



1 Press the <WB·⦿> button. (⏱6)



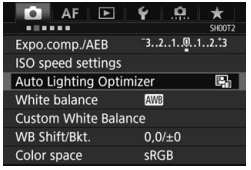
2 Select a white balance setting.

- While looking at the LCD panel or in the viewfinder, turn the <◯> dial.

Display	Mode
AWB	Auto (Ambience priority)
AWB W	Auto (White priority)
☀	Daylight
🏠	Shade
☁	Cloudy, twilight, sunset
💡	Tungsten light
▦	White fluorescent light
ϟ	Flash use
✎	Custom
K	Color temperature

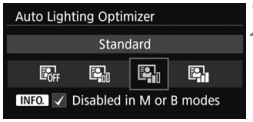
MENU Auto Correction of Brightness and Contrast ☆

If the image comes out dark or the contrast is low, the brightness and contrast can be corrected automatically. This function is called Auto Lighting Optimizer. The default setting is [**Standard**]. With JPEG images, the correction is applied when the image is captured. [**Standard**] is automatically set in the <A+> mode.



1 Select [Auto Lighting Optimizer].

- Under the [📷2] tab, select [**Auto Lighting Optimizer**], then press <(SET)>.



2 Select the setting.

- Select the desired setting, then press <(SET)>.

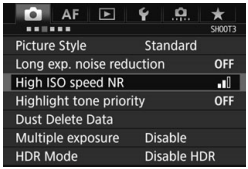
3 Take the picture.

- The image will be recorded with the brightness and contrast corrected if necessary.

MENU Setting Noise Reduction ☆

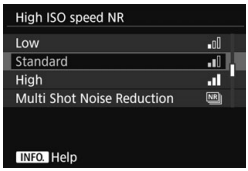
High ISO Speed Noise Reduction

This function reduces the noise generated in the image. Although noise reduction is applied at all ISO speeds, it is particularly effective at high ISO speeds. At low ISO speeds, the noise in the darker parts of the image (shadow areas) is further reduced.



1 Select [High ISO speed NR].

- Under the [📷3] tab, select [**High ISO speed NR**], then press <(SET)>.



2 Set the level.

- Select the desired noise reduction level, then press <(SET)>.

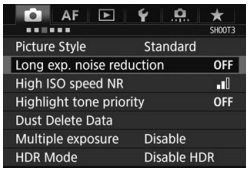
- **NR: Multi Shot Noise Reduction**
  This applies noise reduction with higher image quality than [**High**]. For a single photo, four shots are taken continuously and aligned and merged automatically into a single JPEG image.
  If the image-recording quality is set to RAW or RAW+JPEG, you cannot set [**Multi Shot Noise Reduction**].

3 Take the picture.

- The image will be recorded with noise reduction applied.

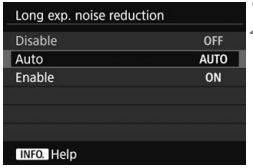
Long Exposure Noise Reduction

Noise reduction is possible with images exposed for 1 sec. or longer.



1 Select [Long exp. noise reduction].

- Under the [📷3] tab, select [**Long exp. noise reduction**], then press <(SET)>.



2 Set the desired setting.

- Select the desired setting, then press <(SET)>.

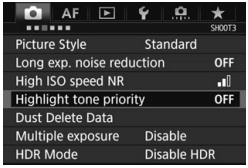
- **Auto**
  For exposures of 1 sec. or longer, noise reduction is performed automatically if noise typical of long exposures is detected. This [**Auto**] setting is effective in most cases.
- **Enable**
  Noise reduction is performed for all exposures of 1 sec. or longer. The [**Enable**] setting may reduce noise that cannot be detected with the [**Auto**] setting.

3 Take the picture.

- The image will be recorded with noise reduction applied.

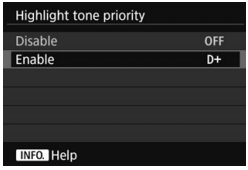
MENU Highlight Tone Priority ☆

You can reduce overexposed, clipped highlights.



1 Select [Highlight tone priority].

- Under the [📷3] tab, select [**Highlight tone priority**], then press <(SET)>.



2 Select [Enable].

- Highlight details are improved. The dynamic range is expanded from the standard 18% gray to bright highlights. The gradation between the grays and highlights becomes smoother.

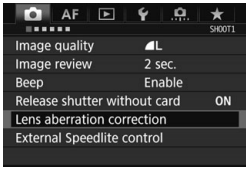
3 Take the picture.

- The image will be recorded with highlight tone priority applied.

MENU Correction of Lens Peripheral Illumination and Aberration

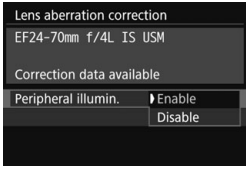
Peripheral light fall-off is a phenomenon that makes the image corners look darker due to the lens characteristics. Color fringing along subject outlines is called chromatic aberration. This lens aberration and light fall-off can be corrected. By default, Peripheral illumination and Chromatic aberration correction are set to [**Enable**].

Peripheral Illumination Correction



1 Select [Lens aberration correction].

- Under the [**1**] tab, select [**Lens aberration correction**], then press <(SET)>.



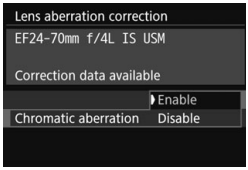
2 Select the setting.

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Peripheral illumin.**], then press <(SET)>.
- Select [**Enable**], then press <(SET)>.

3 Take the picture.

- The image will be recorded with the peripheral illumination corrected.

Chromatic Aberration Correction



1 Select the setting.

- Check that [**Correction data available**] is displayed for the attached lens.
- Select [**Chromatic aberration**], then press <(SET)>.
- Select [**Enable**], then press <(SET)>.

2 Take the picture.

- The image will be recorded with the chromatic aberration corrected.

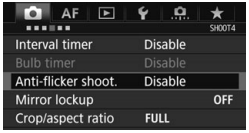
Lens Correction Data

The camera already contains data for lens peripheral illumination correction and chromatic aberration correction for approx. 30 lenses. If you select [**Enable**], the peripheral illumination correction and chromatic aberration correction will be applied automatically for any lens whose correction data is registered in the camera.

With EOS Utility (EOS software), you can check the lenses of which correction data is registered in the camera. You can also register the correction data for unregistered lenses. For details, refer to the EOS Utility Instruction Manual (p.154).
For lenses incorporating the correction data, it is not necessary to register the correction data to the camera.

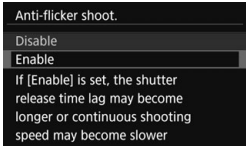
MENU Reducing Flicker☆

If you shoot an image with a fast shutter speed under a light source such as fluorescent light, the blinking of the light source causes flicker and the image may be vertically unevenly exposed. If continuous shooting is used under these conditions, uneven exposures or colors across the images may result.
With anti-flicker shooting, the camera detects the frequency of the light source's blinking and takes the picture when the flicker causes less effect on exposure or color.



1 Select [Anti-flicker shoot.].

- Under the [📷4] tab, select [**Anti-flicker shoot.**], then press <(SET)>.



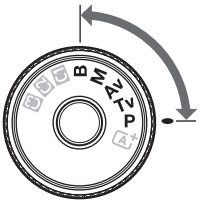
2 Select [Enable].

3 Take the picture.

- The image will be taken with reduced unevenness of exposure or color caused by the flicker.

5

Advanced Operations



In the <**P**> <**Tv**> <**Av**> <**M**> <**B**> shooting modes, you can select the shutter speed, aperture, and other camera settings to change the exposure and obtain the desired result.

- A ☆ icon at the upper right of a page title indicates a function that can be used only in the following modes: <**P**> <**Tv**> <**Av**> <**M**> <**B**>.
- After you press the shutter button halfway and let go, the exposure values will remain displayed in the viewfinder and on the LCD panel for 4 sec. (⏱4).



Set the <LOCK▶> switch to the left.

P: Program AE

The camera automatically sets the shutter speed and aperture to suit the subject's brightness. This is called Program AE.

* <**P**> stands for Program.
* AE stands for Auto Exposure.



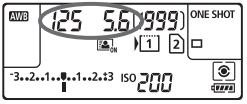
1 Set the Mode Dial to <P>.



2 Focus on the subject.

- Look through the viewfinder and aim the AF point over the subject. Then press the shutter button halfway.
- ▶ When focus is achieved, the focus indicator <●> in the viewfinder will light up (in One-Shot AF mode).
- ▶ The shutter speed and aperture will be set automatically and displayed in the viewfinder and on the LCD panel.





3 Check the display.

- A standard exposure will be obtained as long as the shutter speed and aperture displays do not blink.

4 Take the picture.

- Compose the shot and press the shutter button completely.

Tv: Shutter-Priority AE

In this mode, you set the shutter speed and the camera automatically sets the aperture to obtain the standard exposure matching the brightness of the subject. This is called shutter-priority AE. A faster shutter speed can freeze the action of a moving subject. A slower shutter speed can create a blurred effect, giving the impression of motion.

* <**Tv**> stands for Time value.



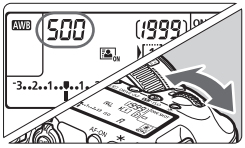
Blurred motion
(Slow shutter speed: 1/30 sec.)



Frozen action
(Fast shutter speed: 1/2000 sec.)



1 Set the Mode Dial to <Tv>.



2 Set the desired shutter speed.

- While looking at the LCD panel or in the viewfinder, turn the <☆> dial.

3 Focus on the subject.

- Press the shutter button halfway.
- ▶ The aperture is set automatically.



4 Check the viewfinder display and shoot.

- As long as the aperture is not blinking, a standard exposure will be obtained.

Av : Aperture-Priority AE

In this mode, you set the desired aperture and the camera sets the shutter speed automatically to obtain the standard exposure suiting the subject brightness. This is called aperture-priority AE. A higher f/number (smaller aperture hole) will make more of the foreground and background fall within acceptable focus. On the other hand, a lower f/number (larger aperture hole) will make less of the foreground and background fall within acceptable focus.

* <**Av**> stands for Aperture value (aperture opening).



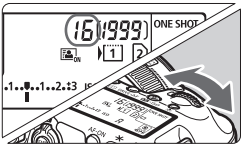
Blurred background
(With a low aperture f/number: f/5.6)



Sharp foreground and background
(With a high aperture f/number: f/32)



1 Set the Mode Dial to <Av>.



2 Set the desired aperture.

- While looking at the LCD panel or in the viewfinder, turn the <⌂> dial.

3 Focus on the subject.

- Press the shutter button halfway.
- ▶ The shutter speed is set automatically.



4 Check the viewfinder display and shoot.

- As long as the shutter speed is not blinking, a standard exposure will be obtained.

M: Manual Exposure

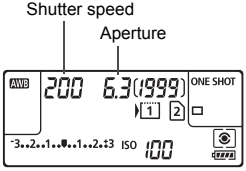
In this mode, you set both the shutter speed and aperture as desired. To determine the exposure, refer to the exposure level indicator in the viewfinder or use a commercially-available exposure meter. This method is called manual exposure.

* <M> stands for Manual.



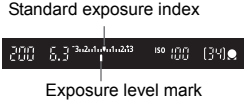
1 Set the Mode Dial to <M>.

2 Set the ISO speed (p.101).



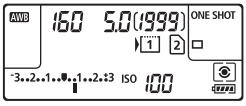
3 Set the shutter speed and aperture.

- To set the shutter speed, turn the <⚙> dial.
- To set the aperture, turn the <◎> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <⚙> or <◎> dial.



4 Focus on the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed in the viewfinder and on the LCD panel.
- The exposure level mark <▮> indicates how far the current exposure level is from the standard exposure level.



5 Set the exposure and take the picture.

- Check the exposure level indicator and set the desired shutter speed and aperture.
- If the exposure level exceeds ±3 stops from the standard exposure, the end of the exposure level indicator will display <◀> or <▶>.

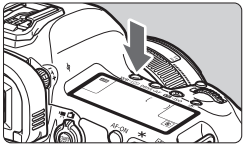
Exposure Compensation with Auto ISO

If the ISO speed is set to **A** (AUTO), you can set exposure compensation (p.118) as follows:

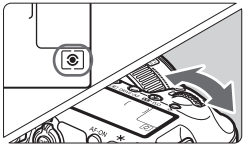
- [**2: Expo.comp./AEB**]
- Under [**3: Custom Controls**], use [**SET: Expo comp (hold btn, turn)**].
- Quick Control (p.53)

Selecting the Metering Mode ☆

You can select one of four methods to measure the subject brightness. In the <A+> mode, evaluative metering is set automatically.



1 Press the <WB·> button. (⏱6)



2 Select the metering mode.

- While looking at the LCD panel or in the viewfinder, turn the <dial> dial.
  - **: Evaluative metering**
  - **: Partial metering**
  - **: Spot metering**
  - **: Center-weighted average metering**

± Setting Exposure Compensation ☆

Exposure compensation can brighten (increased exposure) or darken (decreased exposure) the standard exposure set by the camera. Exposure compensation can be set in the <**P**>, <**Tv**>, and <**Av**> shooting modes. Although you can set the exposure compensation up to ±5 stops in 1/3-stop increments, the exposure compensation indicator in the viewfinder and on the LCD panel can only display the setting up to ±3 stops. If you want to set the exposure compensation setting beyond ±3 stops, use the Quick Control (p.53) or follow the instructions for [**2: Expo.comp./AEB**] on the next page.
If the <**M**> mode and the Auto ISO are both set, see page 116 to set the exposure compensation.

---

1 Check the exposure.

- Press the shutter button halfway (⏱4) and check the exposure level indicator.

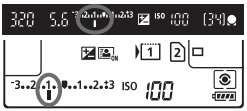
Increased exposure for a brighter image



2 Set the exposure compensation amount.

- While looking at the viewfinder or LCD panel, turn the <◯> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <◯> dial.

Decreased exposure for a darker image



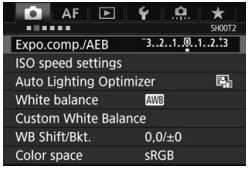
3 Take the picture.

- To cancel exposure compensation, set the exposure level indicator <▮/▮> to the standard exposure index (<▼> or <▼>).

Auto Exposure Bracketing (AEB)☆

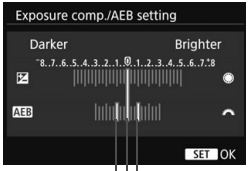
By changing the shutter speed or aperture automatically, the camera brackets the exposure up to ±3 stops in 1/3-stop increments for three successive shots. This is called AEB.

* AEB stands for Auto Exposure Bracketing.



1 Select [Expo.comp./AEB].

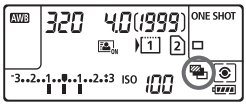
- Under the [**2**] tab, select [**Expo.comp./AEB**], then press <(SET)>.



AEB range

2 Set the AEB range.

- Turn the <dial> dial to set the AEB range. If you turn <dial>, you can set the exposure compensation.
- Press <(SET)> to set it.
- ▶ When you exit the menu, <> and the AEB range will be displayed on the LCD panel.



3 Take the picture.

- Three bracketed shots will be taken according to the drive mode set in this sequence: Standard exposure, decreased exposure, and increased exposure.
- AEB will not be automatically canceled. To cancel AEB, follow step 2 to turn off the AEB range display.

Standard exposure



Decreased exposure



Increased exposure

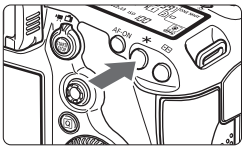


✳ AE Lock☆

Use AE lock when the area of focus is to be different from the exposure metering area or when you want to take multiple shots at the same exposure setting. Press the <✳> button to lock the exposure, then recompose and take the picture. This is called AE lock. It is effective for backlit subjects, etc.

1 Focus on the subject.

- Press the shutter button halfway.
- ▶ The exposure setting will be displayed.



2 Press the <✳> button. (⏱4)

- ▶ The <✳> icon lights up in the viewfinder to indicate that the exposure setting is locked (AE lock).
- Each time you press the <✳> button, the current exposure setting is locked.

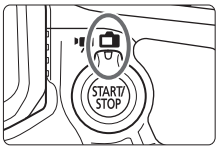


3 Recompose and take the picture.

- If you want to maintain the AE lock while taking more shots, hold down the <✳> button and press the shutter button to take another shot.

6

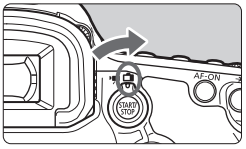
Shooting with the LCD Monitor (Live View Shooting)



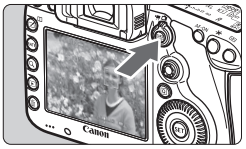
You can shoot while viewing the picture on the camera's LCD monitor. This is called "Live View shooting".
Live View shooting is enabled by setting the Live View shooting/ Movie shooting switch to <📷>.

- If you handhold the camera and shoot while viewing the LCD monitor, camera shake can cause blurred images. Using a tripod is recommended.

Shooting with the LCD Monitor



1 Set the Live View shooting/Movie shooting switch to <📷>.



2 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- The Live View image will closely match the brightness level of the actual image you capture.

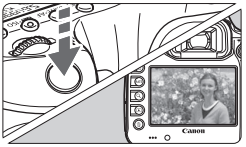


3 Focus on the subject.

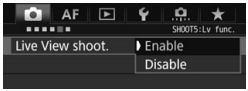
- When you press the shutter button halfway, the camera will focus with the current AF method (p.125).

4 Take the picture.

- Press the shutter button completely.
- ▶ The picture is taken and the captured image is displayed on the LCD monitor.
- ▶ When the playback display ends, the camera will return to Live View shooting automatically.
- Press the <START/STOP> button to exit the Live View shooting.



Enabling Live View Shooting



Set [**5: Live View shoot.**] (the [**3**] tab in <A+>) to [**Enable**].

Number of Possible Shots with Live View Shooting

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	Approx. 220 shots	Approx. 210 shots

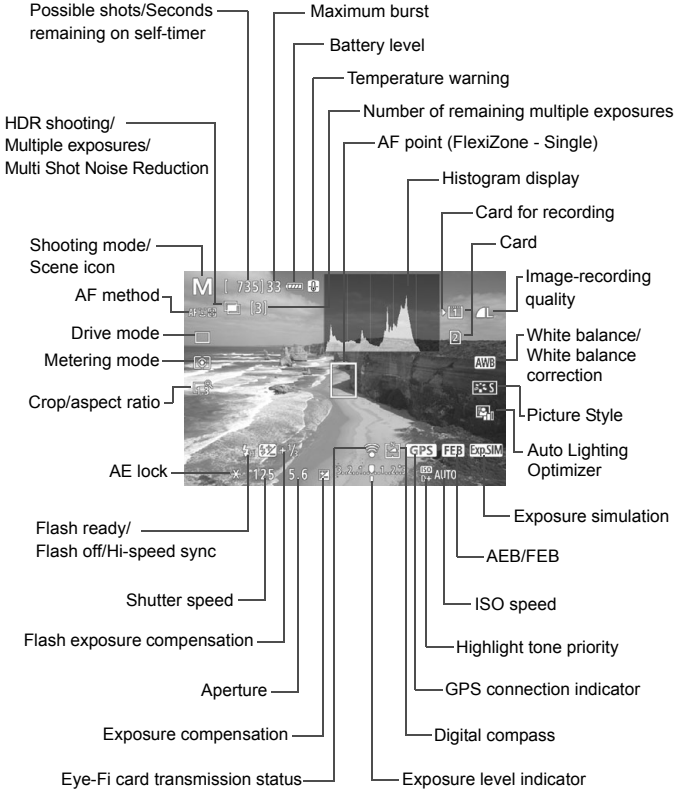
- The figures above are based on a fully-charged Battery Pack LP-E6N and CIPA (Camera & Imaging Products Association) testing standards.
- With a fully-charged Battery Pack LP-E6N, total continuous Live View shooting time will be as follows: At room temperature (23°C/73°F): Approx. 1 hr. 45 min., At low temperatures (0°C/32°F): Approx. 1 hr. 40 min.

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, blistering or 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 point the camera toward an intense light source, such as the sun or an intense artificial light source. Doing so may damage the image sensor or the camera's internal components.

Information Display

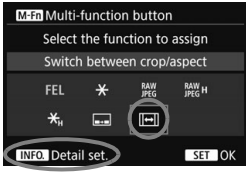
- Each time you press the <**INFO.**> button, the information display will change.



Shooting Function Settings

Crop/Aspect

You can perform crop shooting, or shoot with the set aspect ratio for Live View shooting. To set them with the menu, see page 99.

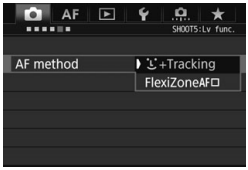


If you use [.. **3: Custom Controls**] to assign [**Switch between crop/aspect**] to the <M-Fn> button, you can just press the <M-Fn> button while displaying Live View image to switch the Crop/aspect setting.

Using AF to Focus (AF Method)

Selecting the AF Method

You can set the AF method to [**(face)+Tracking**] (p.126) or [**FlexiZone - Single**] (p.128) to suit the shooting conditions or subject. If you want to achieve precise focus, set the lens's focus mode switch to <**MF**>, magnify the image, and focus manually (p.129).



Select the AF method.

- Under the [**5**] tab (the [**3**] tab in <A+>), select [**AF method**].
- Select the desired AF method, then press <SET>.
- When the Live View image is displayed, you can press the <DRIVE•AF> button to select the AF method.

(face)+Tracking: AF

The camera detects and focuses on human faces. If a face moves, the AF point <[ ]> also moves to track the face.

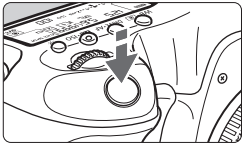
1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.



2 Select an AF point.

- When a face is detected, the <[ ]> frame will appear over the face to be focused on.
- If multiple faces are detected, <[ ]> will be displayed. Use <✣> to move the <[ ]> frame over the face you want to focus on.
- If no faces are detected, the camera will switch to FlexiZone - Single (p.128).



3 Focus on the subject.

- Press the shutter button halfway to focus.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.



4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.122).

- **Focusing on a subject other than a human face**
  Press <✥> or <(SET)> and the AF frame <[ ]> will appear in the center. Then use <✥> to move the AF frame over the desired subject. Once the AF frame <[ ]> achieves focus, it will track the subject even if the subject moves or if you change the composition.

FlexiZone - Single: AF □

The camera focuses with a single AF point. This is effective when you want to focus on a particular subject.



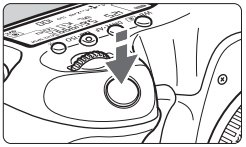
1 Display the Live View image.

- Press the <START/STOP> button.
- ▶ The Live View image will appear on the LCD monitor.
- ▶ The AF point <□> will appear.



2 Move the AF point.

- Use <✣> to move the AF point to where you want to focus. (It cannot be moved to the edge of the screen.)
- Pressing <✣>, <(SET)>, or <🗑> button will return the AF point to the screen's center.



3 Focus on the subject.

- Aim the AF point over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF point will turn green and the beeper will sound.
- ▶ If focus is not achieved, the AF point will turn orange.

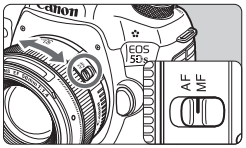


4 Take the picture.

- Check the focus and exposure, then press the shutter button completely to take the picture (p.122).

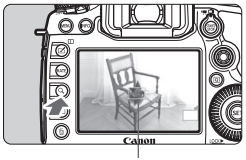
MF: Focusing Manually

You can magnify the image and focus precisely with MF (manual focus).



1 Set the lens's focus mode switch to <MF>.

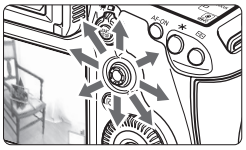
- Turn the lens's focusing ring to focus roughly.



Magnifying frame

2 Display the magnifying frame.

- Press the <Q> button.
- ▶ The magnifying frame will appear.



3 Move the magnifying frame.

- Use <✣> to move the magnifying frame to the position where you want to focus.
- Pressing <✣>, <(SET)>, or <🗑> button will return the magnifying frame to the screen's center.



AE lock

Magnified area position

Magnification (Approx.)

4 Magnify the image.

- Each time you press the <Q> button, the magnification within the frame will change in the following sequence:

Normal view → 1x → 6x → 16x

- While in magnified view, you can use <✣> to scroll around the magnified image.

5 **Focus manually.**

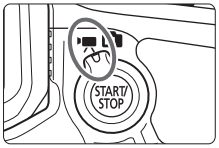
- While looking at the magnified image, turn the lens's focusing ring to focus.
- After achieving focus, press the <Q> button to return to the normal view.

6 **Take the picture.**

- Check the exposure, then press the shutter button completely to take the picture (p.122).

7

Shooting Movies



Movie shooting is enabled by setting the Live View shooting/ Movie shooting switch to <🎥>.

- For cards that can record movies, see page 5.
- If you handhold the camera and shoot movies, camera shake can cause blurred movies. Using a tripod is recommended.

Full HD 1080

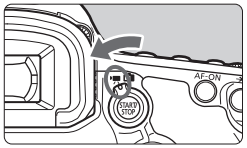
Full HD 1080 indicates compatibility with High-Definition featuring 1080 vertical pixels (scanning lines).

FULL HD 1080

Shooting Movies

Autoexposure Shooting

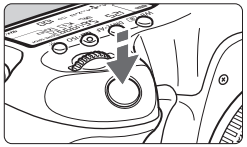
When the shooting mode is set to <A+>, <P>, or <B>, autoexposure control will take effect to suit the scene's current brightness. Exposure control will be the same for all the shooting modes.



1 Set the Mode Dial to <A+>, <P>, or <B>.

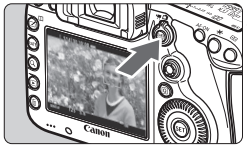
2 Set the Live View shooting/Movie shooting switch to <🎥>.

- ▶ The reflex mirror will make a sound, then the image will appear on the LCD monitor.



3 Focus on the subject.

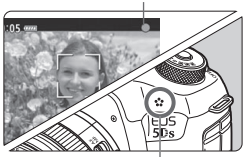
- Before shooting a movie, focus with AF or manual focus (p.125-130).
- When you press the shutter button halfway, the camera will focus with the current AF method.



4 Shoot the movie.

- Press the <START/STOP> button to start shooting a movie.
- ▶ While the movie is being shot, the "●" mark will be displayed on the upper right of the screen.
- ▶ Sound will be recorded by the built-in microphone.
- To stop shooting the movie, press the <START/STOP> button again.

Recording movies



Built-in microphone

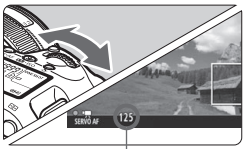
Shutter-priority AE

When the shooting mode is <**Tv**>, you can manually set the shutter speed for movie shooting. The ISO speed and aperture will be set automatically to suit the brightness and obtain a standard exposure.



1 Set the Mode Dial to <Tv>.

2 Set the Live View shooting/Movie shooting switch to <🎥>.



Shutter speed

3 Set the desired shutter speed.

- While looking at the LCD monitor, turn the <dial> dial. The settable shutter speeds depend on the frame rate.
  - 29.97P 25.00P 23.98P: 1/4000 sec. - 1/30 sec.
  - 59.94P 50.00P: 1/4000 sec. - 1/60 sec.



4 Focus and shoot the movie.

- The procedure is the same as steps 3 and 4 for “Autoexposure Shooting” (p.132).

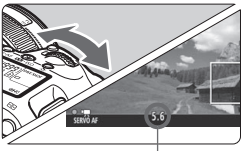
Aperture-priority AE

When the shooting mode is <**Av**>, you can manually set the aperture for movie shooting. The ISO speed and shutter speed will be set automatically to suit the brightness and obtain a standard exposure.



1 Set the Mode Dial to <Av>.

2 Set the Live View shooting/Movie shooting switch to <🎥>.



Aperture

3 Set the desired aperture.

- While looking at the LCD monitor, turn the <dial> dial.



4 Focus and shoot the movie.

- The procedure is the same as steps 3 and 4 for “Autoexposure Shooting” (p.132).

Manual Exposure Shooting

You can manually set the shutter speed, aperture, and ISO speed for movie shooting. Using manual exposure to shoot movies is for advanced users.



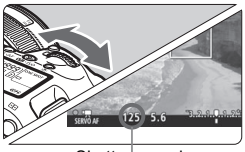
1 Set the Mode Dial to <M>.

2 Set the Live View shooting/Movie shooting switch to <🎥>.

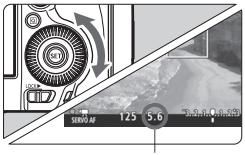


3 Set the ISO speed.

- Press the <ISO> button.
- ▶ The ISO speed setting screen will appear on the LCD monitor.
- Turn the <◎> dial to set the ISO speed.
- For details on the ISO speed, see the next page.



Shutter speed



Aperture

4 Set the shutter speed and aperture.

- Press the shutter button halfway and check the exposure level indicator.
- To set the shutter speed, turn the <◎> dial. The settable shutter speeds vary depending on the frame rate.
  - 29.97P 25.00P 23.98P : 1/4000 sec. - 1/30 sec.
  - 59.94P 50.00P : 1/4000 sec. - 1/60 sec.
- To set the aperture, turn the <◎> dial.
- If it cannot be set, set the <LOCK▶> switch to the left, then turn the <◎> or <◎> dial.

5 Focus and shoot the movie.

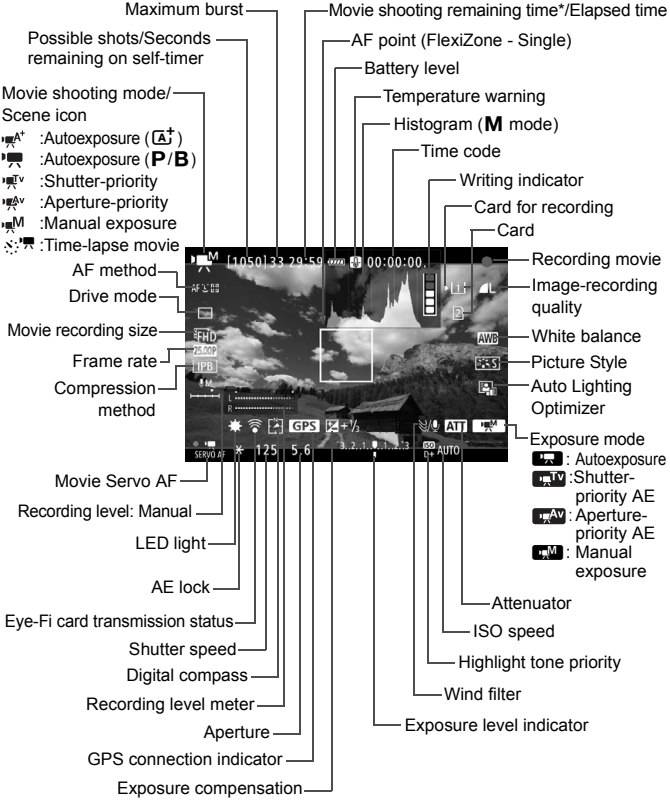
- The procedure is the same as steps 3 and 4 for “Autoexposure Shooting” (p.132).

ISO Speed in the <M> Mode

- With [**Auto**] (**A**), the ISO speed will be set automatically within ISO 100 - ISO 6400. Under [**2: ISO speed settings**], if you set [**ISO speed range**]’s [**Maximum**] setting to [**H (12800)**], the automatic ISO range will not expand to the H maximum. Even if you set the [**Maximum**] and [**Minimum**] to a narrower range than the default ISO range (ISO 100 - ISO 6400), it will not take effect.
- You can set the ISO speed manually within ISO 100 - ISO 6400 in 1/3-stop increments. Under [**2: ISO speed settings**], if you set [**ISO speed range**]’s [**Maximum**] setting to [**H (12800)**], the manual ISO speed setting range’s maximum will be expanded to H (equivalent to ISO 12800). You can also set the [**Maximum**] and [**Minimum**] to a range narrower than the default range (ISO 100 - ISO 6400).
- If [**3: Highlight tone priority**] is set to [**Enable**] (p.107), the auto or manual ISO setting range will be ISO 200 or higher.
- Under [**2: ISO speed settings**], [**Auto ISO range**] and [**Min. shutter spd.**] cannot be set for movie shooting.

Information Display

- Each time you press the <**INFO.**> button, the information display will change.



* Applies to a single movie clip.

MENU Setting the Movie Recording Size



With [**4: Movie rec. size**] (the [**2**] tab in <A+>), you can set the movie's image size, frame rate (frames per sec.), and compression method.
The frame rate displayed on the [**Movie rec. size**] screen switches automatically depending on the [**3: Video system**] setting.

- **Image Size**

  FHD 1920x1080
  Full High-Definition (Full HD) recording quality. The aspect ratio is 16:9.

  HD 1280x720
  High-Definition (HD) recording quality. The aspect ratio is 16:9.

  VGA 640x480
  Standard-definition recording quality. The aspect ratio is 4:3.

- **Frame Rate** (fps: frames per second)

  29.97P 29.97 fps/59.94P 59.94 fps
  For areas where the TV format is NTSC (North America, Japan, South Korea, Mexico, etc.).

  25.00P 25.00 fps/50.00P 50.00 fps
  For areas where the TV format is PAL (Europe, Russia, China, Australia, etc.).

  23.98P 23.98 fps
  Mainly for motion pictures.

- **Compression Method**

  ALL-I **ALL-I** (For editing/I-only)

  Compresses one frame at a time for recording. Although the file size is larger than with IPB (Standard), the movie is more suited for editing.

  IPB **IPB** (Standard)

  Compresses multiple frames at a time efficiently for recording. Since the file size is smaller than with ALL-I (For editing), you can shoot longer (with a card of the same capacity).

Total Movie Recording Time and File Size Per Minute

(Approx.)

Movie Recording Quality			Total Recording Time on Card			File Size
			4 GB	8 GB	16 GB	
FHD	29.97P 25.00P 23.98P	ALL-I	5 min.	11 min.	23 min.	654MB/min.
	29.97P 25.00P 23.98P	IPB	16 min.	33 min.	67 min.	225MB/min.
HD	59.94P 50.00P	ALL-I	6 min.	13 min.	26 min.	583MB/min.
	59.94P 50.00P	IPB	19 min.	38 min.	1 hr. 17 min.	196MB/min.
VGA	29.97P 25.00P	IPB	48 min.	1 hr. 37 min.	3 hr. 14 min.	78MB/min.

- **Movie Files Exceeding 4 GB**
  Even if you shoot a movie exceeding 4 GB, you can keep shooting without interruption.
  During movie shooting, approx. 30 sec. before the movie reaches the 4 GB file size, the elapsed shooting time or time code displayed in the movie-shooting screen will start blinking. If you keep shooting until the movie file size exceeds 4 GB, a new movie file will be created automatically and the elapsed shooting time or time code will stop blinking.
  When you play back the movie, you will have to play each movie file individually. Movie files cannot be played back automatically in consecutive order. After the movie playback ends, select the next movie and play it back.

- **Movie Shooting Time Limit**
  The maximum recording time of one movie clip is 29 min. 59 sec. If the movie shooting time reaches 29 min. 59 sec., the movie shooting will stop automatically. You can start shooting a movie again by pressing the < START/STOP > button. (A new movie file starts being recorded.)

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, blistering or 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.

8

Image Playback

This chapter explains basic procedures to play back images and movies.

Images shot and saved with another device
The camera may not be able to properly display images captured with a different camera, edited with a computer, or that have had their file names changed.

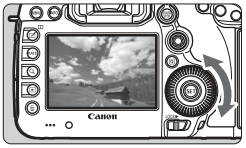
▶ Image Playback

Single-Image Display



1 Play back the image.

- Press the <▶> button.
- ▶ The last image captured or played back will appear.



2 Select an image.

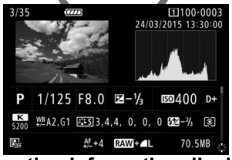
- To play back images starting with the last image captured, turn the <◯> dial counterclockwise. To play back images starting with the first captured image, turn the dial clockwise.
- Each time you press the <**INFO.**> button, the information display will change.



No information



Basic information display



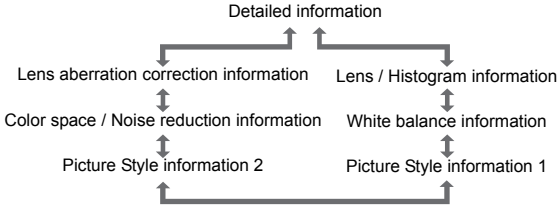
Shooting information display

3 Exit the image playback.

- Press the <▶> button to exit the image playback and return to shooting-ready state.

Shooting Information Display

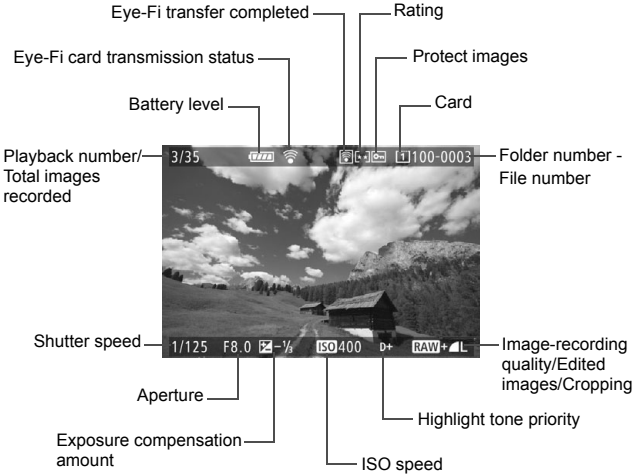
With the shooting information screen displayed (p.142), you can tilt <☆> up or down to change the shooting information displayed at the screen's bottom as follows. For details, see pages 145-146.



INFO.: Shooting Information Display

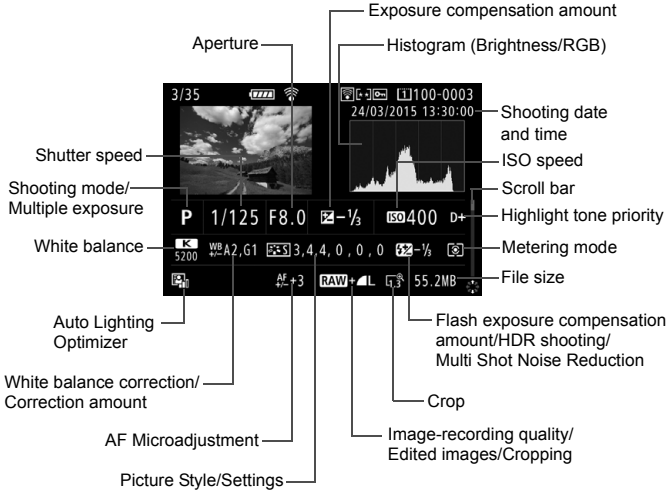
Sample Information for Still Photos

- **Basic information display**



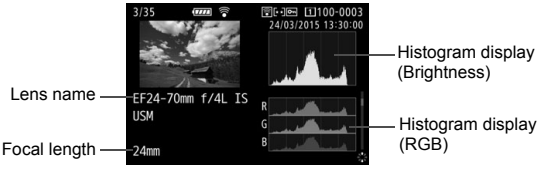
- If the image was taken by another camera, certain shooting information may not be displayed.
- It may not be possible to play back images taken with the EOS 5DS/EOS 5DS R on other cameras.

- **Shooting information display**
  - **Detailed information**

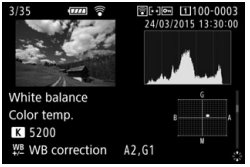


* When you shoot in RAW+JPEG image quality, the RAW image file size will be displayed.
* Lines indicating the shooting area will be displayed for images taken with the crop/aspect ratio set and with RAW or RAW+JPEG set for image quality.
* Lines indicating the shooting area will be displayed for images with cropping information appended.
* During flash photography without flash exposure compensation, <⚡> will be displayed.
* <**HDR**> and the dynamic range adjustment amount will be displayed for images shot with HDR shooting.
* <▣> will be displayed for multiple-exposure photos.
* <NR> will be displayed for images shot with Multi Shot Noise Reduction.
* For still photos taken during movie shooting, <🎥> will be displayed.
* For images that are processed (RAW processing function, resized, or cropped) and then saved, <✎> will be displayed.
* For images cropped and then saved, <⧉> will be displayed.

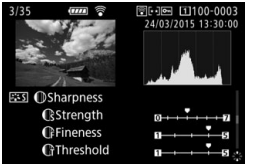
- **Lens/Histogram information**



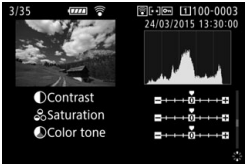
- **White balance information**



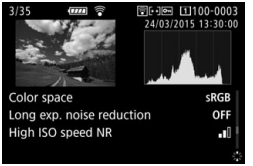
- **Picture Style information 1**



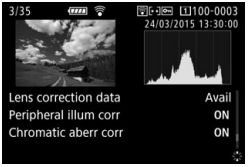
- **Picture Style information 2**



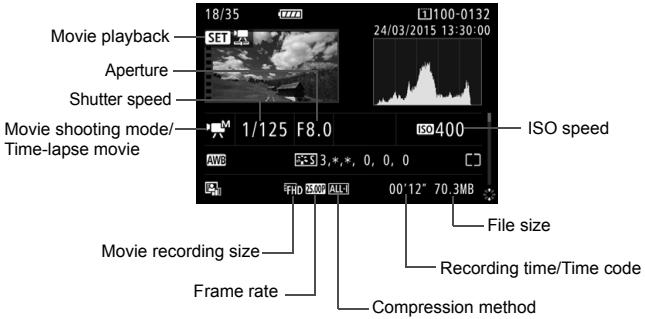
- **Color space / Noise reduction information**



- **Lens aberration correction information**



Sample Movie Information Display

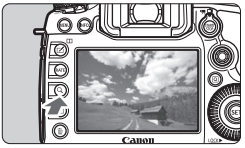


- <A+> and <SCN> modes: Shutter speed, aperture and ISO speed are not displayed.
- <Tv> mode: Aperture and ISO speed are not displayed.
- <Av> mode: Shutter speed and ISO speed are not displayed.
- <M> mode + Auto ISO: ISO speed is not displayed.

Searching for Images Quickly

Display Multiple Images on One Screen (Index Display)

You can search for images quickly with the index display showing 4, 9, 36, or 100 images on one screen.



1 Press the <Q> button.

- During image playback or when the camera is ready to shoot, press the <Q> button.

▶ [Q] will be displayed on the lower right of the screen.



2 Switch to the index display.

- Turn the <dial> dial counterclockwise.

▶ The 4-image index display will appear. The selected image is highlighted with an orange frame.

- Turning the <dial> dial further counterclockwise will switch the display from 9 images, 36 images and to 100 images. If you turn the dial clockwise, it will rotate through 100, 36, 9, 4, and single-image display.



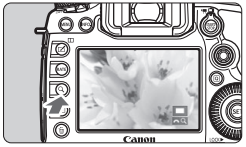


3 Select an image.

- Operate <cross> or the <dial> dial to move the orange frame and select the image.
- Press the <Q> button to turn off the [Q] icon, then turn the <dial> dial to go to the next screen or previous image.
- Press <SET> in the index display to display the selected image in the single-image display.

Magnifying Images

You can magnify a captured image by approx. 1.5x to 16x on the LCD monitor.





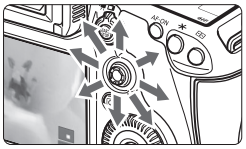
Magnified area position

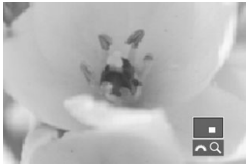
1 Magnify the image.

- The image can be magnified as follows: 1. During image playback (single-image display), 2. During the image review after image capture, and 3. From the shooting-ready state.
- Press the <Q> button.

▶ The magnified view will appear. The magnified area and [Q] will be displayed on the lower right of the screen.

- The image magnification increases as you turn the <> dial clockwise. You can magnify the image up to approx. 16x.
- The image magnification decreases as you turn the <> dial counterclockwise. In the case of 1 and 3 only, turning the dial further will display the index display (p.148).





2 Scroll around the image.

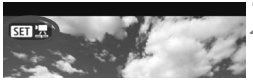
- Use <> to scroll around the magnified image.
- To exit the magnified view, press the <Q> button or <▶> button and the single-image display will return.

Playing Back Movies



1 Play back the image.

- Press the <▶> button to display an image.





2 Select a movie.

- Turn the <◌> dial to select the movie to be played.
- With the single-image display, the <SET> icon displayed on the upper left indicates a movie.
- In the index display, perforations at the left edge of a thumbnail indicate a movie. **As movies cannot be played from the index display, press <(SET)> to switch to the single-image display.**

3 In the single-image display, press <(SET)>.

▶ The movie playback panel will appear at the bottom of the screen.

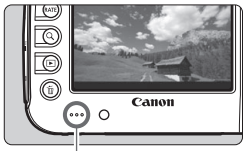


4 Play back the movie.

- Select [▶] (Play), then press <(SET)>.

▶ The movie will start playing back.

- You can pause the movie playback by pressing <(SET)>.
- You can adjust the sound volume during movie playback by turning the <dial> dial.
- For more details on the playback procedure, see the next page.



Speaker

Movie Playback Panel

Operation	Playback Description
▶ **Play**	Pressing <(SET)> toggles between play and stop.
Slow motion	Adjust the slow motion speed by turning the <◯> dial. The slow motion speed is indicated on the upper right of the screen.
First frame	Displays the movie's first frame.
Previous frame	Each time you press <(SET)>, the previous frame is displayed. If you hold down <(SET)>, it will rewind the movie.
Next frame	Each time you press <(SET)>, the movie will play frame-by-frame. If you hold down <(SET)>, it will fast forward the movie.
Last frame	Displays the movie's last frame.
Edit	Displays the editing screen.
	Playback position
mm' ss"	Playback time (minutes:seconds with [**Movie play count: Rec time**] set)
hh:mm:ss.ff (DF) **hh:mm:ss:ff** (NDF)	Time code (hours:minutes:seconds:frames with [**Movie play count: Time code**] set)
Volume	Turn the <☆> dial to adjust the volume of the built-in speaker (p.150).
MENU ↩	To return to the single-image display, press the <MENU> button.

Erasing Images

You can either select and erase unnecessary images one by one or erase them in one batch. Protected images will not be erased.

Once an image is erased, it cannot be recovered. Make sure you no longer need the image before erasing it. To prevent important images from being erased accidentally, protect them. Erasing a RAW+JPEG image will erase both the RAW and JPEG images.

Erasing a Single Image



1 Play back the image to be erased.

2 Press the <🗑> button.

▶ The Erase menu will appear.



3 Erase the image.

- Select [**Erase**], then press <(SET)>. The image displayed will be erased.

9

Viewing the DVD-ROM Instruction Manuals / Downloading Images to Your Computer

This chapter explains how to view the Camera and Software Instruction Manuals (on the DVD-ROM provided) on your computer, download images from the camera to your computer, gives an overview of the software in the EOS Solution Disk (CD-ROM), and explains how to install the software on your computer.



EOS Camera Instruction Manuals Disk



EOS Solution Disk
(Software)

Viewing the EOS Camera Instruction Manuals Disk (DVD-ROM)



The EOS Camera Instruction Manuals Disk (DVD-ROM) contains the following electronic manuals (PDF).

- **Instruction Manual**
  Explains all the camera functions and procedures, including basic content.
- **Software Instruction Manuals**
  Software Instruction Manuals PDFs for the software supplied on the EOS Solution Disk (see p.159).

Viewing the EOS Camera Instruction Manuals Disk (DVD-ROM)

[**WINDOWS**]



EOS Camera Instruction Manuals Disk

Copy the PDF Instruction Manuals contained on the disk to your computer.

1. Insert the EOS Camera Instruction Manuals Disk (DVD) into the DVD-ROM drive of your computer.
2. Double-click [**My Computer**] on the desktop and then double-click the DVD-ROM drive into which you have inserted the disk.
3. Click on the name of the instruction manual you want to view.
   - Select your language and operating system.
   - ▶ The index of the Instruction Manuals is displayed.



Instruction Manual

Adobe Reader (latest version recommended) must be installed to view the Instruction Manual files (PDF format). Install Adobe Reader if it is not already installed on your computer.
To save the PDF manual to your computer, use the 'Save' function of your Adobe Reader. For more information about how to use Adobe Reader, see Adobe Reader's Help menu.

- The Instruction Manual PDF incorporates page links so you can quickly go to the desired page. On the Contents or Index page, just click on the page number to jump to that page.

Viewing the EOS Camera Instruction Manuals Disk (DVD-ROM)

[MACINTOSH]



EOS Camera Instruction Manuals Disk

Copy the PDF Instruction Manuals contained on the disk to your computer.

1. Insert the EOS Camera Instruction Manuals Disk (DVD) into the DVD-ROM drive of your Macintosh.
2. Double-click on the disk icon.
3. Double-click the START.html file.
4. Click on the name of the instruction manual you want to view.
   - Select your language and operating system.
   - ▶ The index of the Instruction Manuals is displayed.



Instruction Manual

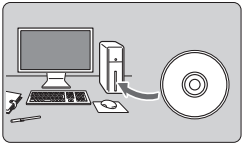
Adobe Reader (latest version recommended) must be installed to view the Instruction Manual files (PDF format). Install Adobe Reader if it is not already installed on your Macintosh.
To save the PDF manual to your computer, use the 'Save' function of your Adobe Reader. For more information about how to use Adobe Reader, see Adobe Reader's Help menu.

- The Instruction Manual PDF incorporates page links so you can quickly go to the desired page. On the Contents or Index page, just click on the page number to jump to that page.

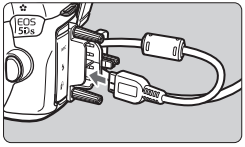
Downloading Images to a Computer

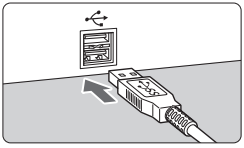
You can use the EOS software to download the images in the camera to your computer. There are two ways to do this.

Downloading by Connecting the Camera to the Computer



1 Install the software (p.159)**.**





2 Use the provided interface cable to connect the camera to your computer.

- Use the interface cable provided with the camera.
- When connecting the cable to the camera, use the cable protector (p.29). Connect the cable to the digital terminal with the plug's <SS> icon facing the back of the camera.
- Connect the cord's plug to the computer's USB terminal.

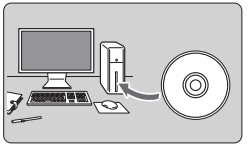
3 Use EOS Utility to transfer the images.

- For details, refer to the EOS Utility Instruction Manual (p.154).

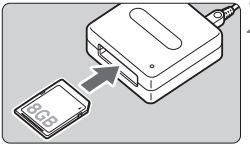
Use the provided interface cable or one from Canon. When connecting the interface cable, use the provided cable protector (p.29).

Downloading Images with a Card Reader

You can also use a card reader to download images to your computer.



1 Install the software (p.159)**.**



2 Insert the card into the card reader.

3 Use Digital Photo Professional to download the images.

- For details, refer to the Digital Photo Professional Instruction Manual (p.154).

When downloading images from the camera to your computer with a card reader without using EOS software, copy the DCIM folder on the card to your computer.

About the Software



EOS Solution Disk

This disk contains various software for EOS cameras.

Note that the software provided with previous cameras might not support still photos and movie files shot with this camera. Please use the software provided with this camera.

❶ EOS Utility

Communication Software for the Camera and Computer

- You can download images (still images/movies) you have shot with the camera to your computer.
- You can set the various settings of the camera from your computer.
- You can shoot photos remotely by connecting the camera to your computer.

❷ Digital Photo Professional

Image Viewing and Editing Software

- You can view, edit and print shot images on your computer at high-speed.
- You can edit images with originals remaining unchanged.
- Can be used by a wide range of users from amateurs to professionals. It is especially recommended for users who mainly shoot RAW images.

❸ Picture Style Editor

Picture Style File Creating Software

- This software is aimed at advanced users who are experienced in processing images.
- You can edit Picture Style to your unique image characteristics and create/save an original Picture Style file.

Installing the Software

Installing the Software on Windows

Compatible OS **Windows 8.1** **Windows 8** **Windows 7**

1 Check that the camera is not connected to your computer.

- **Do not connect the camera to your computer before you install the software. The software will not be installed correctly.**
- If a previous version is installed, follow the steps below to reinstall the software. (The newer version will overwrite the previous version.)

2 Insert the EOS Solution Disk (CD).

3 Select your geographic area, country and language.

4 Click **[Easy Installation]** to start installation.

- Follow the on-screen instructions to complete the installation procedure.
- If prompted, install Microsoft Silverlight.

5 Click **[Finish]** when the installation has completed.

6 Remove the CD.

Installing the Software on Macintosh

Compatible OS **MAC OS X 10.8 - 10.10**

1 Check that the camera is not connected to your computer.

- **Do not connect the camera to your computer before you install the software. The software will not be installed correctly.**
- If a previous version is installed, follow the steps below to reinstall the software. (The newer version will overwrite the previous version.)

2 **Insert the EOS Solution Disk (CD).**

- On your computer's desktop, double-click and open the CD-ROM icon, and then double-click [**setup**].

3 Select your geographic area, country and language.

4 Click **[Easy Installation]** to start installation.

- Follow the on-screen instructions to complete the installation procedure.

5 Click **[Restart]** when the installation has completed.

6 Once the computer has restarted, remove the CD.

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* Notice displayed in English as required.

Use of genuine Canon Accessories is recommended

This product is designed to achieve excellent performance when used with genuine Canon accessories.

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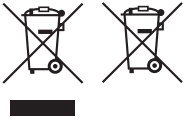
Battery Pack LP-E6N/LP-E6 is dedicated to Canon products only. Using it with an incompatible battery charger or product may result in malfunction or accidents for which Canon cannot be held liable.



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.

CAUTION

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

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Europe, Africa & Middle East

CANON EUROPA N.V.
Bovenkerkerweg 59, 1185 XB Amstelveen, The Netherlands

For your local Canon office, please refer to your warranty card or to www.canon-europe.com/Support

The product and associated warranty are provided in European countries by Canon Europa N.V.

The descriptions in this Instruction Manual are current as of February 2017. For information on the compatibility with any products introduced after this date, contact any Canon Service Center. For the latest version Instruction Manual, refer to the Canon website.

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