Canon

EOS M2
EOS M2 (W)

This basic manual covers only the most basic operations.
For detailed information, refer to the "Camera Instruction
Manual" available for download from the Canon Web site (p.5).

E

Introduction

The EOS M2 is a high-performance, interchangeable-lens digital camera featuring a fine-detail CMOS sensor with approx. 18.0 effective megapixels, DIGIC 5, Hybrid CMOS AF II, approx. 4.6 fps continuous shooting, Full High-Definition (Full HD) movie shooting, and Wi-Fi functions.
The camera is highly responsive to any shooting situation, and provides many features for demanding shots.

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

With a digital camera, you can immediately view the image you have captured. While reading this manual, take a few test shots and see how they come out. You can then better understand the camera.
To avoid botched pictures and accidents, first read the "Safety Warnings" (p.110-111) and "Handling Precautions" (p.11-13).

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 or copyrighted music and images with music in the memory card for anything other than private enjoyment. Also be aware that certain public performances, exhibitions, etc., may prohibit photography even for private enjoyment.

Compatible Cards

The camera can use the following cards regardless of capacity. **If the card is new or was previously formatted by another camera or computer, formatting the card with this camera is recommended** (p.49).

- SD memory cards
- SDHC memory cards*
- SDXC memory cards*
  * UHS-I cards supported.

Cards that Can Record Movies

When shooting movies, use a large-capacity SD card rated SD Speed Class 6 "CLASS⑥" or higher.

- 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 a card's reading/writing speed, refer to the card manufacturer's Web site.

In this manual, "card" refers to SD memory cards, SDHC memory cards, and SDXC memory cards.

* **The camera does not come with any cards for recording images/ movies.** Please purchase these cards separately.

Item Check List

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

Camera
(with body cap)

**Battery Pack
LP-E12**
(with protective cover)

**Battery Charger
LC-E12/LC-E12E***

**Neck Strap
EM-100DB**

Interface Cable

* Battery Charger LC-E12 or LC-E12E is provided. (The LC-E12E comes with a power cord.)

Software is not provided with the camera. Download it from the Canon Web site at the following URL.

http://www.canon.com/icpd/

- For information on how to download or install the software and Software Instruction Manual PDFs, see "Software Start Guide" (p.102) in this manual.
- The Instruction Manuals provided are listed on the next page.
- Depending on the Lens Kit type, Lens Instruction Manuals may also be included.
- Check that all the bundled accessories are included in the camera's package.
- Be careful not to lose any of the above items.

Instruction Manuals

Camera Basic Instruction Manual

Wi-Fi Function Basic Instruction Manual

Wi-Fi Cautions

- The Instruction Manuals consist of the provided booklets and more detailed Instruction Manual PDFs available for download from the Canon Web site.
- Instructions for downloading and viewing the Instruction Manual PDFs are shown below.

Downloading and Viewing the Instruction Manual PDFs

1 Download the Instruction Manual PDFs.

- Connect to the Internet from a computer and access the Canon Web site at the following URL.

http://www.canon.com/icpd/

- Select your country or region of residence and download the Instruction Manual PDFs.

Instruction Manual PDFs Available for Download
- Camera Instruction Manual
- Wi-Fi Function Instruction Manual
- Software Instruction Manuals

2 View the Instruction Manual PDFs.

- Double-click a downloaded Instruction Manual PDF to open it.
- To view the Instruction Manual PDFs, Adobe Reader must be installed on your computer.
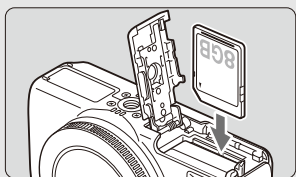- Adobe Reader can be downloaded free from the Internet.

Quick Start Guide

1
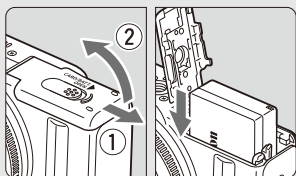
Insert the battery (p.26)**.**
● To charge the battery, see page 24.

2

Insert a card (p.26)**.**
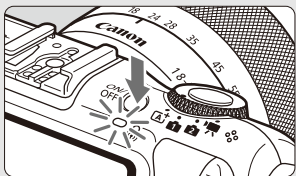● With the card's label facing toward the front of the camera, insert it into the card slot.

3

Attach a lens (p.36)**.**
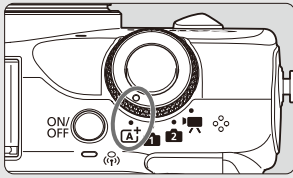● Align the lens' mount index with the camera's mount index.

4

Press the power button to turn on the camera (p.29)**.**
● When the LCD monitor displays the date/time/zone setting screens, see page 33.

5 Set the Mode Dial to <🄰⁺> (Scene Intelligent Auto) (p.54).

● All the necessary camera settings will be set automatically.

6 Focus the subject (p.41).

● Aim the LCD monitor's center over the subject.
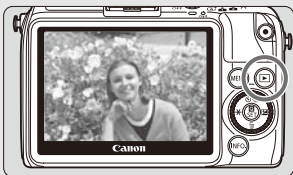● Press the shutter button halfway. The camera will focus the subject.
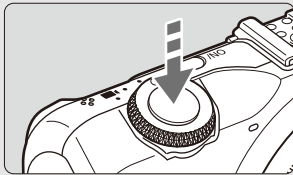
7 Take the picture (p.41).

● Press the shutter button completely to take the picture.

8 Review the picture.

● The captured image will be displayed for 2 sec. on the LCD monitor.
● To display the image again, press the <▶> button (p.96).

● To view the images captured so far, see "Image Playback" (p.96).
● After you finish shooting, attach the lens cap to protect the lens.

Conventions Used in this Manual

Icons in this Manual

<◎>   : Indicates the Main Dial.

<▲><▼><◄><►><✧> : Indicates the Main Dial's top, bottom, left, and right keys.

<**Q**>/<SET>   : Indicates the Main Dial's center button.

ै4, ै6, ै8, ै10, ै16   : Indicates that the corresponding function remains active for 4 sec., 6 sec., 8 sec., 10 sec., or 16 sec. respectively 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 and changing the setting.

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

🕭   : Warning to prevent shooting problems.

🗐   : Supplemental information.

🔆   : Tips or advice for better shooting.

?   : Problem-solving advice.

Basic Assumptions

● All operations explained in this manual assume that the power is <ON> (p.29).

● It is assumed that all the menu settings and Custom Functions are set to their defaults.

● The illustrations in this manual show the camera with the EF-M 18-55mm f/3.5-5.6 IS STM lens attached as an example.

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3 Autofocus   77

4 Shooting Movies   87

5 Image Playback   95

6 Software Start Guide / Downloading Images to Your Computer   101

Handling Precautions

Camera Care

- This camera is a precision instrument. Do not drop it or subject it to physical shock.
- Do not point the camera toward an intense light source, such as the sun on a sunny day or an intense artificial light source. Doing so may damage the image sensor or the camera's internal components.
- The camera is not waterproof and cannot be used underwater. If you accidentally drop the camera into water, promptly consult the nearest Canon Service Center. Wipe off any water droplets with a dry and clean cloth. If the camera has been exposed to salty air, wipe it with a well-wrung wet cloth.
- Never leave the camera near anything that has 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 shutter operation with your finger, etc. Doing so may cause a malfunction.
- Use a blower to blow away any dust on the lens. 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 the nearest Canon Service Center or check the camera yourself and make sure it is working properly.
- When you detach the lens, the image sensor will be exposed. To prevent scratching the image sensor, do not touch the image sensor.
- If you use continuous shooting or movie shooting for a prolonged period, the camera may become hot. This is not a malfunction.

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 with the same screen displayed, 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.
- After changing the LCD monitor's brightness settings, the display may look a little coarse, depending on the subject. This is not a malfunction and will not affect the recorded image.

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 lens caps to avoid scratching the lens surface and electrical contacts.

Contacts

Smudges Adhering to the Front of the Sensor

Besides dust entering the camera from outside, in rare cases lubricant from the camera's internal parts may adhere to the front of the sensor. If visible spots still remain after the automatic sensor cleaning, having the sensor cleaned by a Canon Service Center is recommended.

Lens Mount

Periodically cleaning the camera's body and lens mount with a soft lens cleaning cloth is recommended.

Nomenclature

Microphone (p.89)

Mode Dial (p.18)

Shutter button (p.41)

Speaker (p.99)

Power button (p.29)

Flash sync contacts

Hot shoe

< ⊖ > Focal plane mark (p.67)

Wi-Fi antenna

Self-timer lamp (p.75)/ AF-assist lamp

Strap mount (p.21)

Remote control sensor

Terminal cover

Grip

EF-M lens mount index (p.36)

Contacts (p.13)

Lens mount

Lens lock pin

Lens release button (p.37)
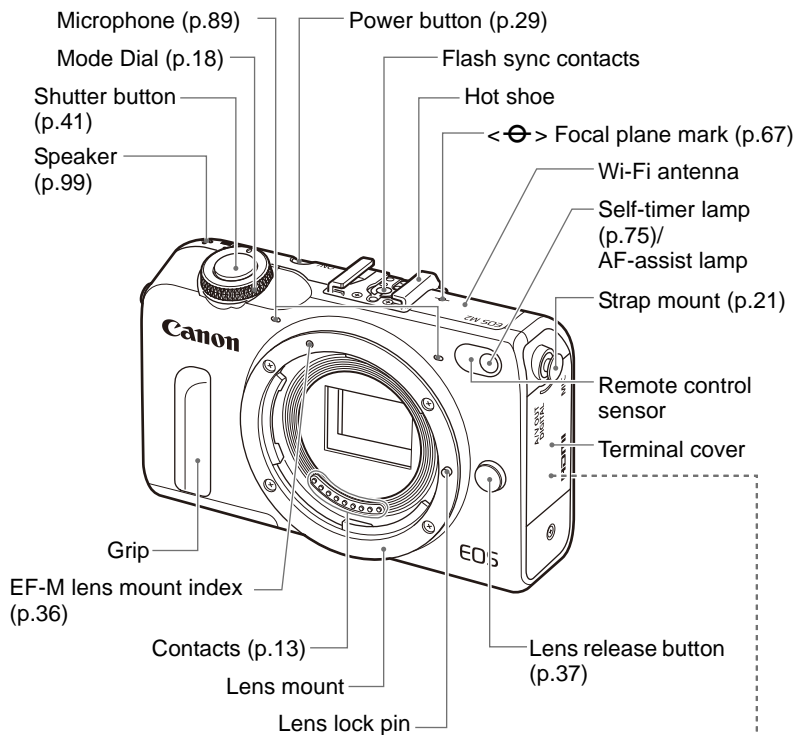
Body cap (p.36)

<**MIC**> External microphone IN terminal

<**A/V OUT**/**DIGITAL**> Audio/video OUT/Digital terminal

<**HDMI OUT**> HDMI mini OUT terminal

LCD monitor/Touch screen (p.46/p.50, 97, 99)

Power/Access lamp (p.27)

<⟨ɬ⟩> Wi-Fi lamp

<MENU> Menu button (p.46)

<●> Movie start/stop button (p.88)

<▶> Playback button (p.96)

<Ⓠ/SET>
Quick Control/
Set button
(p.42, 76/p.32, 46)

<INFO.> Info button (p.44, 56, 90, 96)

DC Coupler terminal cover

Card slot/Battery compartment cover (p.26)

Tripod socket
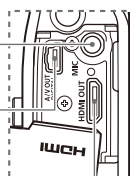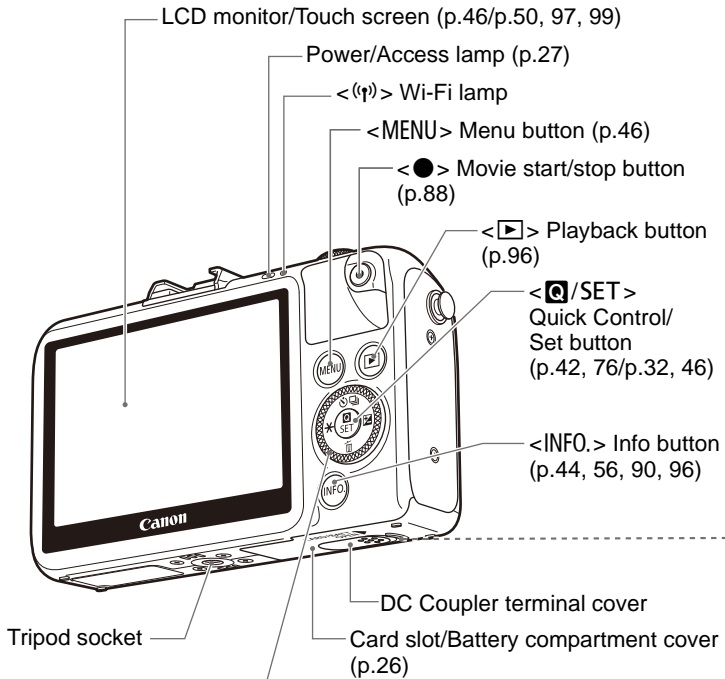
<◯> Main Dial (p.32)
<▲⟲/⊡> Drive mode selection button (p.64, 75)
<▼ 🗑> Erase button
<◀✱> AE lock/FE lock button
<▶☒> Aperture/Exposure compensation button
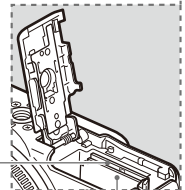
Card slot (p.26)

Battery compartment (p.26)

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Information Display 1: Basic Information (in Creative Zone modes, p.18)

Number of possible shots
Number of possible shots
during WB bracketing
Self-timer countdown

Maximum burst

Battery check (p.31)

Shooting mode

Q Quick Control

AF point
(FlexiZone - Single)
(p.79)

Touch shutter
(p.86)

Magnified view

AE lock

ISO speed

Shutter speed

Highlight tone priority

Main Dial pointer

Exposure level indicator
Exposure compensation
amount
AEB range

Aperture
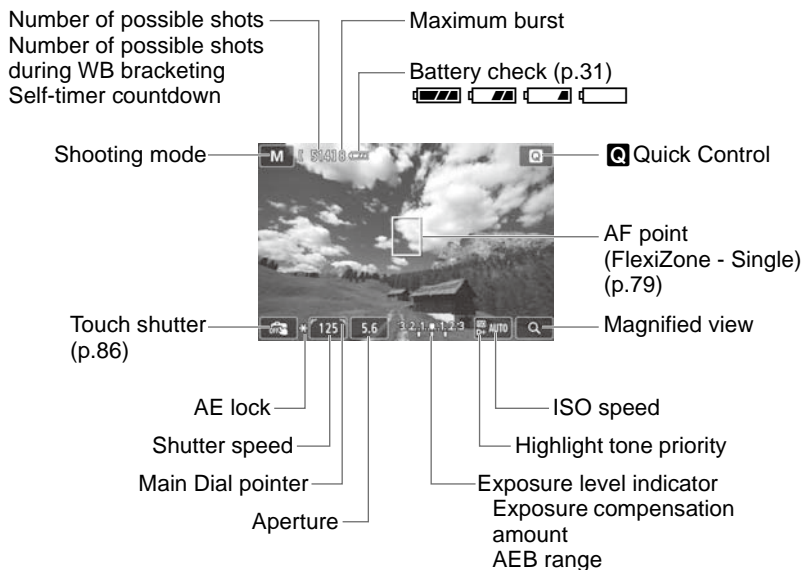
The display will show only the settings currently applied.

Information Display 2: Detailed information (in Creative Zone modes, p.18)

Creative filters

$\frac{1}{4}_H$ High-speed sync
$\frac{1}{4}*$ FE lock/FEB in-progress

Eye-Fi transmission status

AF method (p.79)
AF □ FlexiZone - Single
AF ᠄᠄ 'ᴜ'+Tracking
AF( ) FlexiZone - Multi

Picture Style

White balance
AWB Auto
☀ Daylight
🏠 Shade
☁ Cloudy
💡 Tungsten light
🔆 White fluorescent light
$\frac{1}{4}$ Flash
🔅 Custom

AF operation
ONE SHOT One-Shot AF
SERVO Servo AF
MF Manual Focus

Image-recording quality
◢ L Large/Fine
◢ L Large/Normal
◢ M Medium/Fine
◢ M Medium/Normal
◢ S1 Small 1/Fine
◢ S1 Small 1/Normal
S2 Small 2 (Fine)
S3 Small 3 (Fine)
RAW+◢ L RAW+Large/Fine
RAW RAW

Auto Lighting Optimizer

Metering mode
☺ Evaluative metering
☺ Partial metering
• Spot metering
⊏⊐ Center-weighted average metering

Exposure simulation

AEB/FEB

Drive mode (p.64, 75)
□ Single shooting
⊟ Continuous shooting
⌇◇ Self-timer:10 sec/remote control
◇₂ Self-timer:2 sec
◇c Self-timer:Continuous

GPS connection indicator

Digital compass

Flash exposure compensation

Image Stabilizer: OFF (only when a lens with IS function is attached)

The display will show only the settings currently applied.

If you use the < > or < > shooting mode, use flash, or set a bulb exposure, the < > icon and histogram will be grayed out (for your reference). The histogram may not be properly displayed in low- or bright-light conditions.

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Mode Dial

A⁺ : Scene Intelligent Auto

This is a fully automatic mode.
The camera analyzes the scene and sets the optimum settings automatically (p.54).

'📹 : Movie Shooting Modes

You can shoot movies (p.88).

- '📹 : **Movie auto exposure**
- '📹M : **Movie manual exposure**

Movie auto exposure
Movie mode in which shutter speed and aperture are automatically set

📷 : Basic Zone Modes

All you do is press the shutter button.
The camera sets everything to suit the subject or scene.

- CA : **Creative Auto** (p.60)
- 🎭 : **Portrait** (p.65)
- 🏔 : **Landscape** (p.66)
- 🌷 : **Close-up** (p.67)
- 🏃 : **Sports** (p.68)
- 🧒 : **Kids** (p.69)
- 🍴 : **Food** (p.70)
- 🌃 : **Night Portrait** (p.71)
- 🌆 : **Handheld Night Scene** (p.72)
- 🎇 : **HDR Backlight Control** (p.73)
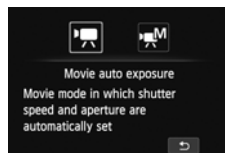
📷 : Creative Zone Modes

These modes give you more control for shooting various subjects.

- **M** : **Manual exposure**
- **Av** : **Aperture-priority AE**
- **Tv** : **Shutter-priority AE**
- **P** : **Program AE**

Program AE
Auto setting of shutter speed and aperture. Other settings can be configured manually.

Creative Auto
Auto mode for easy setting of image brightness, background blurring, flash, other settings

Sports
For shooting subjects in motion. Continuous shooting with subject kept in focus.

Handheld Night Scene
For shooting night scenes without a tripod. Takes 4 consecutive shots.

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Lens

EF-M Lens
(Lens with no focus mode switch and no Image Stabilizer switch.)

Focusing ring (p.78)

Zoom ring (p.37)

Zoom position index (p.37)

Hood mount

Filter thread (front of lens)

Lens mount index (p.36)

Contacts (p.13)

19
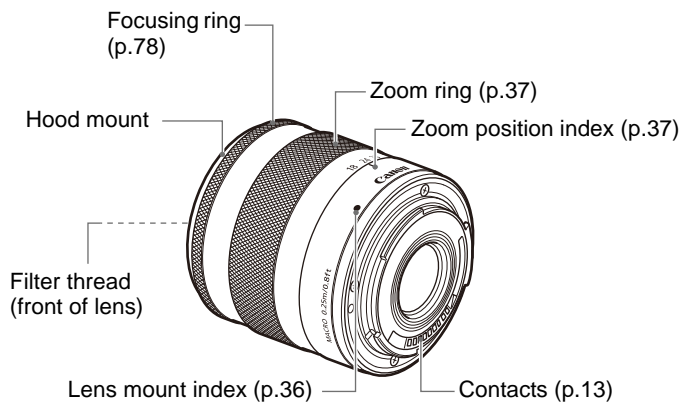
Battery Charger LC-E12

Charger for Battery Pack LP-E12 (p.24).

Power plug

Charge lamp

Full-charge lamp

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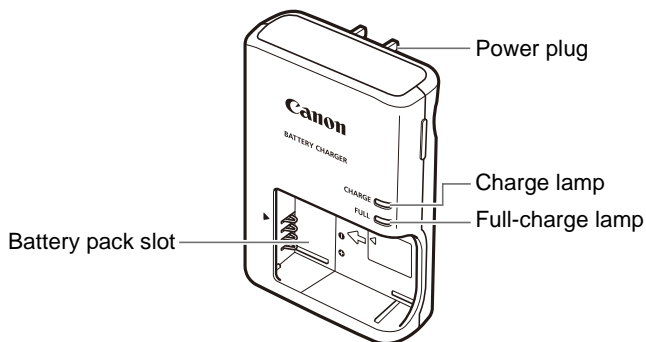
IMPORTANT SAFETY INSTRUCTIONS-SAVE THESE INSTRUCTIONS.
DANGER-TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK,
CAREFULLY FOLLOW THESE INSTRUCTIONS.
For connection to a supply not in the U.S.A., use an attachment plug adapter of the
proper configuration for the power outlet, if needed.

Battery Charger LC-E12E

Charger for Battery Pack LP-E12 (p.24).

Battery pack slot

Power cord

Full-charge lamp

Charge lamp

Power cord socket

20
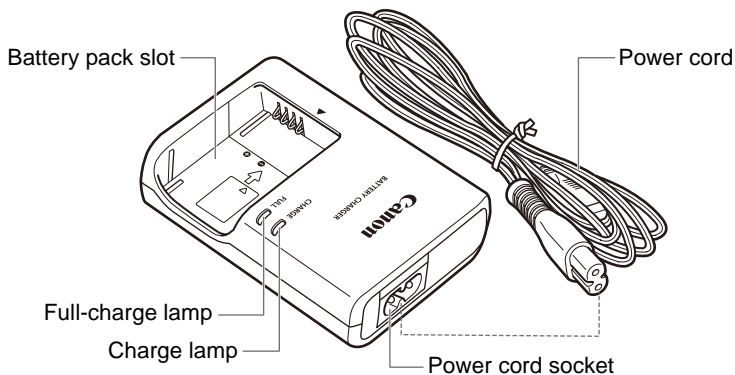
Attaching the Strap
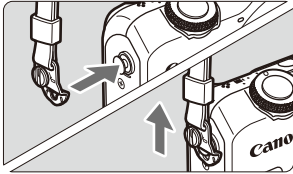
1 Attach the strap's metallic ring to the camera.

● Fit the strap's metallic ring over the camera's strap mount.
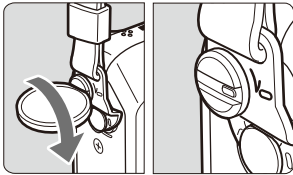
2 Lock the strap's metallic ring.

● Use a coin or similar tool to turn the stopper clockwise until it stops (the index marks are aligned).
● Make sure the strap's metallic ring is not loose.

Threading the Strap
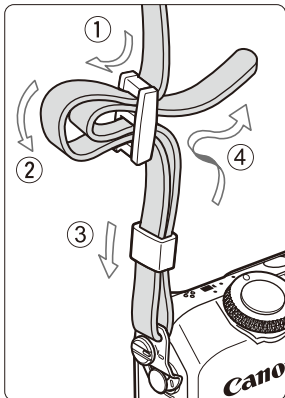
● Thread the strap as shown in the illustration and adjust the strap length.

Use of genuine Canon accessories is recommended

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

Canon shall not be liable for any damage to this product and/or accidents such as fire, etc., caused by the malfunction of non-genuine Canon accessories (e.g., a leakage and/or explosion of a battery pack). Please note that this warranty does not apply to repairs arising out of the malfunction of non-genuine Canon accessories, although you may request such repairs on a chargeable basis.

☒ **Certification Logo**

Under the [♈4] tab, if you select [**Certification Logo Display**] and press <SET>, some of the logos of the camera's certifications will appear. Other certification logos can be found in this Instruction Manual, on the camera body, and on the camera's package.

1

Getting Started

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

Charging the Battery
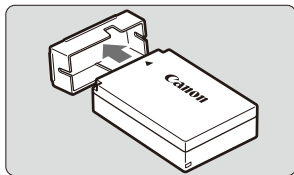
1 Remove the protective cover.
- Detach the protective cover provided with the battery.
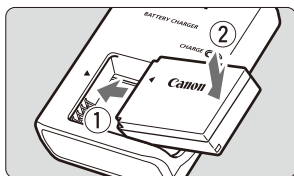
2 Attach the battery.
- Align the battery's ◀ mark with the battery charger's ▶ mark, then attach the battery securely.
- To detach the battery, follow the above procedure in reverse.

LC-E12
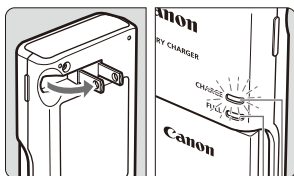
3 Recharge the battery.

For LC-E12
- As shown by the arrow, flip out the battery charger's prongs and insert the prongs into a power outlet.

For LC-E12E
- Connect the power cord to the charger and insert the plug into a power outlet.
- ▶ Recharging starts automatically and the charge lamp lights up in orange.
- ▶ When the battery is fully recharged, the full-charge lamp will light up in green.

Full-charge lamp
Charge lamp

LC-E12E
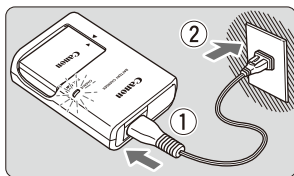
- **It takes approx. 2 hours to fully recharge a completely exhausted battery at room temperature (23°C / 73°F). The time required to recharge the battery will vary greatly depending on the ambient temperature and the battery's remaining capacity.**
- For safety reasons, recharging in low temperatures (5°C - 10°C / 41°F - 50°F) will take longer (up to approx. 4 hours).

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☼ **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.**

● **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 (provided) 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 household power outlet. 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.**
Purchase a new battery.

🖐 ● After disconnecting the charger's power plug, do not touch the prongs for at least 3 sec.
　● Do not charge any battery other than a Battery Pack LP-E12.
　● Battery Pack LP-E12 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.

Installing and Removing the Battery and Card ▬

Load a fully charged Battery Pack LP-E12 into the camera. The camera can use an SD, SDHC, or SDXC memory card (sold separately). UHS-I Speed Class SDHC and SDXC memory cards can also be used. The captured images are recorded onto the card.

⚠ **Make sure the card's write-protect switch is set upward to enable writing/erasing.**

Installing the Battery and Card
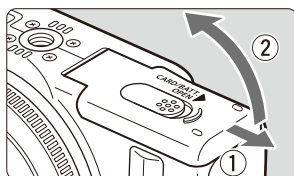
1 Open the cover.
- Slide the cover as shown by the arrows and open it.
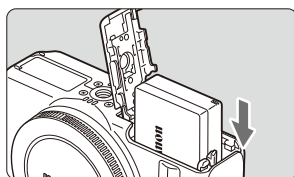
2 Insert the battery.
- The battery's "**Canon**" logo must be toward the camera's front side as you insert the battery with the battery contacts in first.
- Insert the battery until it clicks and locks in place.

Write-protect switch
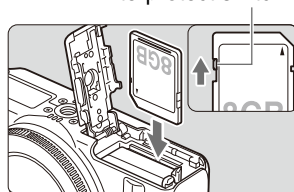
3 Insert the card.
- **The card's label side must be toward the front of the camera.**
- Insert it straight down until it stops.
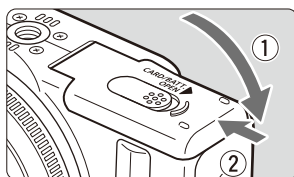
4 Close the cover.
- Press the cover until it snaps shut.

P   [514]

Possible shots

5 Check the number of possible shots.
- When you set the power to <ON>, the remaining number of images you can record to the card will be displayed on the LCD monitor.

Removing the Battery and Card

1 Set the power to <OFF>.

2 Open the cover.
- **Make sure the LCD monitor and access lamp are off, then open the cover.**
- If [**Recording...**] is displayed, close the cover.
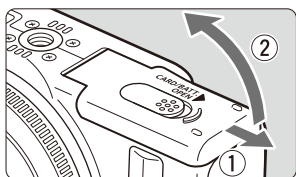
3 Remove the battery.
- Press the battery lock lever as shown by the arrow and remove the battery.
- To prevent short circuiting of the battery contacts, be sure to attach the provided protective cover (p.24) to the battery.
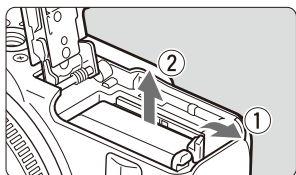
4 Remove the card.
- Gently push in the card, then let go to eject it.
- Pull the card straight out.
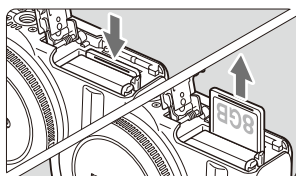
5 Close the cover.
- Press the cover until it snaps shut.

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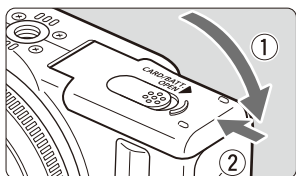
- After opening the card slot/battery compartment cover, be careful not to swing it back further. Otherwise, the hinge may break.
- **When the access lamp is blinking in orange, it indicates that images are being written to or read by the card, being erased, or data is being transferred. Do not open the card slot/battery compartment cover. Also, never do any of the following while the access lamp is blinking in orange. Otherwise, the image data, card, or camera may be damaged.**
  - **Removing the card.**
  - **Removing the battery.**
  - **Shaking or banging the camera around.**
- 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.49). The card may then return to normal.
- Do not touch the card's contacts with your fingers or metal objects.
- Multimedia cards (MMC) cannot be used (card error will be displayed).

- The number of possible shots depends on the remaining capacity of the card, image-recording quality, ISO speed, etc.
- Setting [**1: Release shutter without card**] to [**Disable**] will prevent you from forgetting to insert a card.

Turning on the Power

If you set the power to <ON> and the date/time/zone setting screen appears, see page 33 to set the date/time/zone.

Pressing the power button toggles between <ON> and <OFF>.

With the power <OFF>, holding down the <▶> button for 2 sec. or longer will start the playback mode.
● When an EF-M lens is attached to the camera and the power is off, the aperture stops down to reduce the amount of light entering the camera and protect the internal components of the camera. When you set the power to <ON> or <OFF>, the aperture makes a small noise as it opens or closes.

Automatic Self-Cleaning Sensor

● When you set the power to <ON>/<OFF> or if the time set with [**Camera auto off**] under [**♥2: Power saving**] elapses and the camera turns off, sensor cleaning will be executed automatically. (A small sound may be heard.) During the sensor cleaning after intentionally turning the camera <OFF>, the LCD monitor will display the <⊢> icon.
● If you repeatedly switch the power to <ON>/<OFF> at a short interval, the <⊢> icon may not be displayed. This is normal and not a malfunction.

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

MENU Power-saving Features

● To save power, the LCD monitor turns off automatically if you do not operate the camera. If you continue to not operate the camera, the power will turn off automatically. While the LCD monitor is off, operation such as pressing a button will turn on the LCD monitor again. If the power turns off, either press the power button or press the <▶> for at least approx. 2 sec. to turn on the power again.

● You can change the LCD monitor auto off time and camera auto off time with [**LCD auto off**] and [**Camera auto off**] under [♥2: Power saving].

🕕 **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. The use of a tripod is recommended for people with circulation problems or very sensitive skin, or when using the camera in very hot places.

🔋 **Checking the Battery Level**

When the power is turned on, the battery level will be indicated in one of four levels.

| P | [514] | 🔋 |

🔋 : Battery level is sufficient.

🔋 : Battery level is low, but the camera can still be used.

🔋 : Battery will be exhausted soon. (Blinks)

🔋 : Recharge the battery.

Number of Possible Shots   [Approx. number of shots]

Temperature	Room Temperature (23°C / 73°F)	Low Temperatures (0°C / 32°F)
Possible shots	230	200

● The figures above are based on a fully-charged Battery Pack LP-E12 and CIPA (Camera & Imaging Products Association) testing standards.

📝 ● The battery power will be consumed faster with any of the following operations:
  • Pressing the shutter button halfway for a prolonged period.
  • Using Continuous AF.
  • Using the lens Image Stabilizer.
  • Shooting movies for a prolonged period.
  • Using Movie Servo AF.
● 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 power may be consumed faster.

<🔘> Main Dial and <Q/SET> Button

Main Dial

The Main Dial can be operated in two ways: by turning it or pressing the top, bottom, left, or right edge.
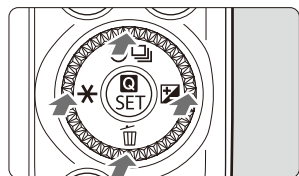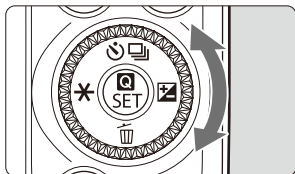
Turn the Main Dial <🔘>.

● When a function can be set (after pressing a button or tapping an icon on the screen), you can mainly make a horizontal selection by turning the <🔘> dial.

● You can set the shutter speed, aperture, etc. by turning the <🔘> dial.

Press the top, bottom, left, or right of the Main Dial <🔘>.

● When a function can be set (after pressing a button or tapping an icon on the screen), you can select or adjust an item by pressing the top, bottom, left, or right of the <🔘> dial.

● When shooting, you can select a drive mode by pressing the <⏱/🔁> button, set exposure compensation by pressing the <⧉> button, or apply AE lock by pressing the <✳> button. (May not be available depending on the shooting mode.)

● During playback, you can erase an image by pressing the <🗑> Erase button.

<Q/SET> Button

The <Q/SET> button has two features: <Q> Quick Control and <SET> Set.
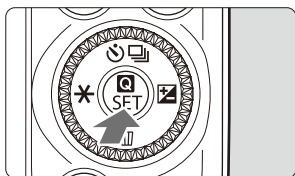
<Q> Quick Control

● You can display the Quick Control screen by pressing the <Q> button while an image is displayed during shooting or playback (p.42).

<SET> Set

● Press <SET> to accept your selection in menus, Quick Control functions, etc.

MENU Setting the Date, Time, and Zone

When you turn on the camera for the first time or if the date/time/zone has been reset, the date/time/zone setting screen will appear. Follow the steps below to set the time zone first. If you set the camera to the correct time zone for where you currently live, when you travel to another time zone you can simply set the camera to the correct time zone for your destination to update the camera's date/time automatically.

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.

2 Under the [♥2] tab, select [Date/Time/Zone].
- Press the <◄> <►> keys to select the [♥2] tab.
- Press the <▲> <▼> keys to select [**Date/Time/Zone**], then press <SET>.
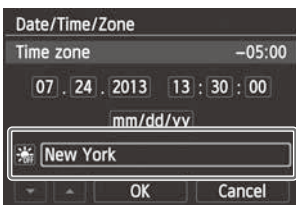
3 Set the time zone.
- **[London] is set by default.**
- Press the <◄> <►> keys to select the time zone box.
- Press <SET> so <↕> is displayed.
- Press the <▲> <▼> keys to select the time zone, then press <SET>. (Returns to <□>.)

Date/Time/Zone
Time zone   −05:00
07 . 24 . 2013   13 : 30 : 00
                mm/dd/yy
※ New York
      OK   Cancel

- The menu setting procedure is explained on pages 46-48.
- 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.

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Date/Time/Zone
(07/24/2013)
07 . 24 . 2013   15 : 30 : 00
mm/dd/yy
☀ New York
▼ ▲   OK   Cancel
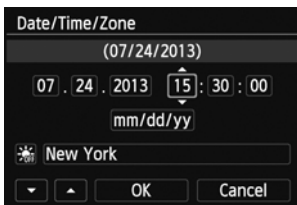
4 Set the date and time.
- Press the <◄> <►> keys to select the number.
- Press <SET> so <↕> is displayed.
- Press the <▲> <▼> keys to set the number, then press <SET>. (Returns to <□>.)

Date/Time/Zone
Daylight saving time off
07 . 24 . 2013   15 : 30 : 00
mm/dd/yy
☀ New York
▼ ▲   OK   Cancel
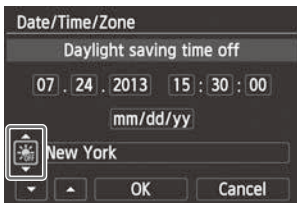
5 Set the daylight saving time.
- Set it if necessary.
- Press the <◄> <►> keys to select [☀].
- Press <SET> so <↕> is displayed.
- Press the <▲> <▼> keys to select [☀], then press <SET>.
- When the daylight saving time is set to [☀], the time set in step 4 will advance by 1 hour. If [☀] is set, the daylight saving time will be canceled and the time will go back by 1 hour.

Date/Time/Zone
(07/24/2013)
07 . 24 . 2013   15 : 30 : 00
mm/dd/yy
☀ New York
▼ ▲   OK   Cancel
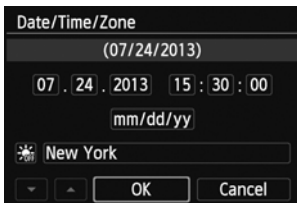
6 Exit the setting.
- Press the <◄> <►> keys to select [**OK**], then press <SET>.
▶ The date/time/zone and daylight saving time will be set and the menu will reappear.

🚫 The date/time/zone settings may be reset in the following cases. If this happens, set the date/time/zone again.
- When the camera is stored without the battery.
- When the camera's battery becomes exhausted.
- When the camera is exposed to below freezing temperatures for a prolonged period.

📋 ● The date/time that was set will start from when you press <SET> in step 6.
   ● After changing the time zone, check that the correct date/time has been set.

MENU Selecting the Interface Language
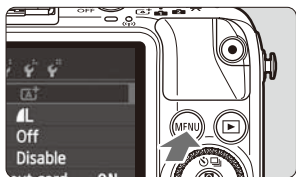
**1 Display the menu screen.**
- Press the <MENU> button.
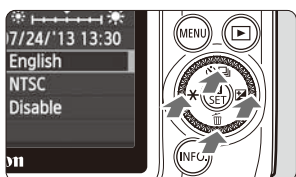
2 Under the [♥2] tab, select [Language🗗].
- Press the <◄> <►> keys to select the [♥2] tab.
- Press the <▲> <▼> keys to select [**Language🗗**], then press <SET>.

Power saving	
LCD brightness	☀ ├──┴──┤ ☀
Date/Time/Zone	07/24/'13 13:30
Language🗗	English
Video system	NTSC
Wi-Fi	Disable
Wi-Fi function	
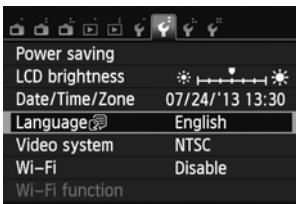
3 Set the desired language.
- Press the <▲> <▼> keys to select the language, then press <SET>.
- ▶ The interface language will change.

English	Norsk	Română
Deutsch	Svenska	Türkçe
Français	Español	العربية
Nederlands	Ελληνικά	ภาษาไทย
Dansk	Русский	简体中文
Português	Polski	繁體中文
Suomi	Čeština	한국어
Italiano	Magyar	日本語
Українська		SET OK

Attaching and Detaching a Lens

The camera is compatible with EF-M lenses. If you use Mount Adapter EF-EOS M, you can also use EF and EF-S lenses.

Attaching a Lens
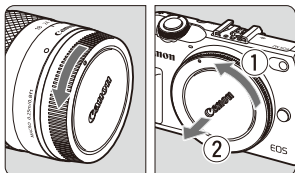
1 Remove the caps.

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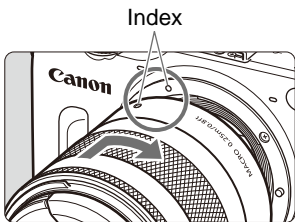
Index

2 Attach the lens.

- Align the lens' white mount index with the camera's white mount index. Turn the lens as shown by the arrow until it clicks in place.
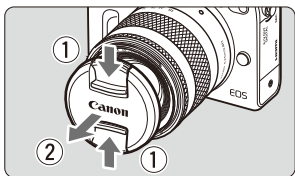
3 Remove the front lens cap.

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.

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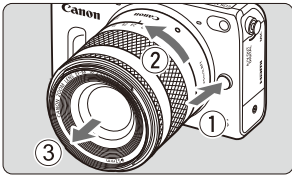
While pressing the lens release button, turn the lens as shown by the arrow.

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

Zooming
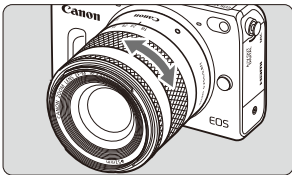
To zoom, turn the zoom ring on the lens with your fingers.
If you want to zoom, do it before focusing. Turning the zoom ring after achieving focus may throw off the focus slightly.

⚠ ● 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 to < OFF >.
● If the front part (focusing ring) of the lens rotates during autofocusing, do not touch the rotating part.
● The focus preset function of some super telephoto lenses cannot be used with this camera. Also, Power Zoom cannot be used even if you attach a lens featuring the Power Zoom function, such as the EF35-80mm f/4-5.6 POWER ZOOM.

📷 **Lens Focal Length (Image Conversion Factor)**

Since the image sensor size is smaller than the 35mm film format, it will look like the lens focal length is increased by approx. 1.6x.

Image sensor size (Approx.)
(22.3 x 14.9 mm / 0.88 x 0.59 in.)
35mm image size
(36 x 24 mm / 1.42 x 0.94 in.)
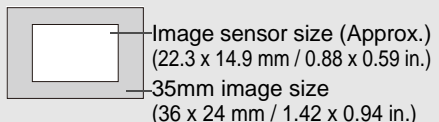
Example: An 18-55mm focal length would be equivalent to an approx. 29-88mm focal length on a 35mm camera.

Image Stabilizer

When you use a lens with built-in Image Stabilizer, camera shake is corrected to obtain a sharper shot. With <A⁺>, the Image Stabilizer is automatically set to [**Enable**]. (It does not appear in the menu.)
* Lenses with built-in Image Stabilizer have "IS" in their names.

With an EF-M Lens

Set it with the menu. The default setting is [**Enable**].

1 Display the menu screen.
● Press the <MENU> button.
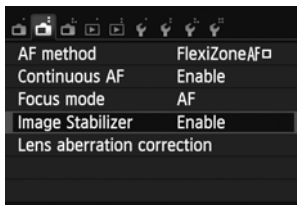
2 Under the [⚪2] tab, select [Image Stabilizer].
● [**Image Stabilizer**] is displayed when an EF-M lens with IS function is attached.
● Press the <◀> <▶> keys to select the [⚪2] tab.
● Press the <▲> <▼> keys to select [**Image Stabilizer**], then press <SET>.
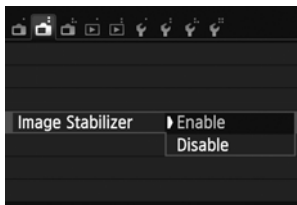
3 Select [Enable].
● Press the <▲> <▼> keys to select [**Enable**], then press <SET>.
● Press the <MENU> button.

IS stands for Image Stabilizer.

With a Non-EF-M Lens

Use the Image Stabilizer switch on the lens.
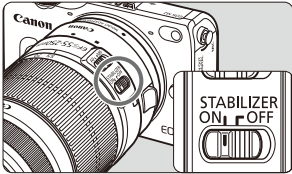
Set the STABILIZER switch to <ON>.

Using the Image Stabilizer when Shooting
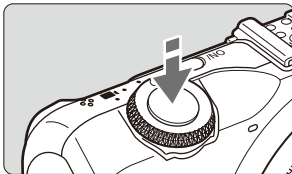
1 Press the shutter button halfway.
▶ The Image Stabilizer will operate.

2 Take the picture.
● When the picture looks steady on the LCD monitor, press the shutter button completely to take the picture.

● The Image Stabilizer cannot correct "subject blur", when the subject moves at the time of exposure.
● For bulb exposures, set the IS to <OFF>. If <ON> is set, Image Stabilizer misoperation may occur.
● The Image Stabilizer may not be effective for excessive shaking such as on a rocking boat.

● The Image Stabilizer works in all focus modes.
● When the IS is set to <OFF>, 《《》 will appear on the screen.
● When using a tripod, you can still shoot with the IS set to <ON> with no problem. However, to save battery power, setting the IS to <OFF> is recommended.
● The Image Stabilizer is effective even when the camera is mounted on a monopod.

Basic Operation

Holding the Camera

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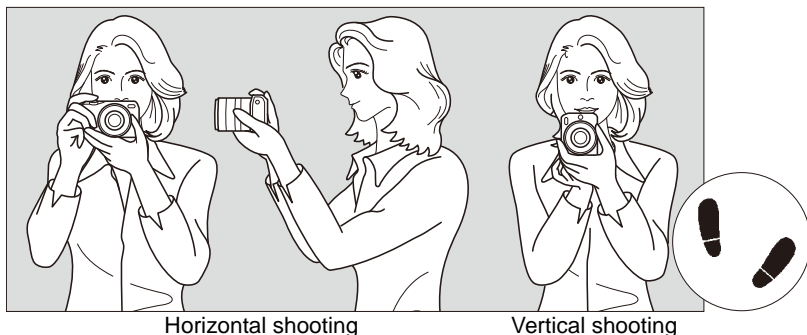
Horizontal shooting   Vertical shooting

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.
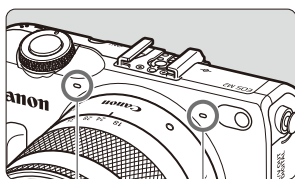
When shooting movies, be careful not to cover the microphones.

Microphones

Shutter Button

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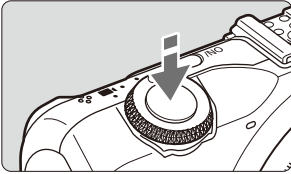
Pressing Halfway

The camera will focus and adjust the exposure automatically (shutter speed and aperture set automatically).
The exposure setting (shutter speed and aperture) is displayed (④8).
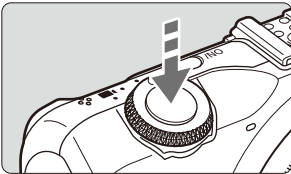
Pressing Completely

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.

🖪 ● 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, image playback, or image recording, you can instantly go back to shooting-ready by pressing the shutter button halfway.

Quick Control

You can directly select and set the shooting functions displayed on the LCD monitor. This is called Quick Control.

There are two types of Quick Control screens: [Q] Quick Control and INFO. Quick Control.

Hereafter, "Quick Control" refers to [Q] Quick Control.

[Q] Quick Control

With [Q] Quick Control, you can set functions while looking at the shooting screen.

1 Display the [Q] Quick Control screen (⏲10).

- Press the <[Q]> button.

- You can also display the Quick Control screen by tapping [[Q]] on the upper right of the screen.

2 Select the desired function.

- Tap the function to be set.
- ▶ The selected function and Feature guide will appear.

3 Set the desired function setting.

● Select the function setting by tapping an icon displayed at the bottom of the screen.

● There are also functions with more settings when you tap [**INFO.** ≡].
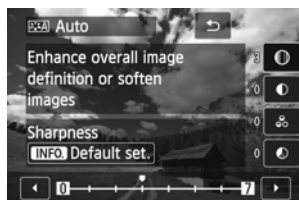
> Auto
>
> Enhance overall image definition or soften images
>
> Sharpness
> **INFO.** Default set.

● To return to the shooting screen, tap [↩] or press <SET>.

AF method (p.79)

AF operation

Image-recording quality

Creative filters

AF method

AF □   AF ☺ :   AF ( )

White balance

Picture Style

Auto Lighting Optimizer

Metering mode
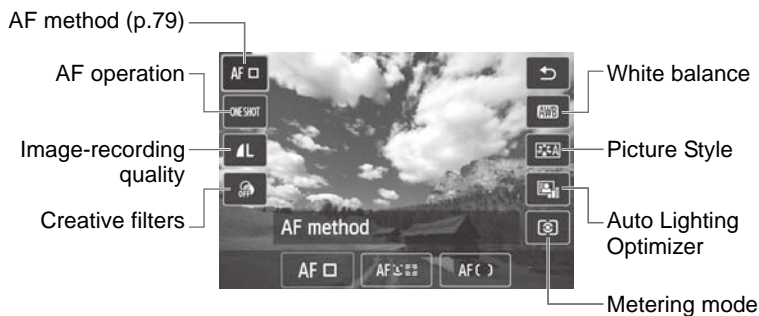
📝 ● You can also perform the setting procedure with the Main Dial's < ✧ > or < ◯ > and <SET>.

● The settable functions differ depending on the shooting mode.

INFO. **Quick Control**

With INFO. Quick Control, you can select a shooting function from a list and set it.

1 Press the <INFO.> button.

- Each time you press the button, the displayed information will change.
- Display the INFO. Quick Control screen.

Basic information   Detailed information

INFO. **Quick Control**   No information

2 Select the desired function.

- Tap the function to be set.
- ▶ The Feature guide will appear.
- Tap it again to display the function setting screen.

44
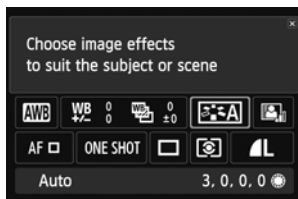
3 Set the desired function setting.

- On the screen that appears, tap a function setting to set it.
- There are also functions with more settings when you tap [**INFO** **Detail set.**].

Picture Style
Auto
3, 0, 0, 0

INFO Detail set.

Detail set. Auto

- Sharpness 0—+++++7
- Contrast -+++0+++-
- Saturation -+++0+++-
- Color tone -+++0+++-

Default set. MENU

Shutter speed — Aperture

Shooting mode (p.18) — Highlight tone priority*

Exposure compensation/ AEB setting — ISO speed

M 1/125 F5.6 **ISO AUTO**

-3..2..1..0..1..2.:3 **±0** — Flash exposure compensation

White balance correction — White balance bracketing

White balance — **AWB** **WB** 0 0 **WB** 0 ±0 **A** **Auto Lighting Optimizer**

AF method (p.79) — **AF □** **ONE SHOT** **□** **⊙** **▲L** — Image quality

Battery check* (p.31) — **▣** **📶** **GPS** **⟨⟨ꜝꜛ⟩⟩** **(514)** — Possible shots*

Eye-Fi card* — Picture Style

GPS connection indicator* — Metering mode

AF operation — Drive mode (p.64, 75)

Image Stabilizer: OFF* (p.38)

- You can also perform the setting procedure with the Main Dial's < ✥ > or < ◯ > and <SET>.
- * These functions cannot be set with the **INFO.** Quick Control screen.
- The settable functions differ depending on the shooting mode.

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MENU Menu Operations

You can set various settings with the menus such as the image-recording quality, date/time, etc. Operate the menu functions with the <MENU> button, Main Dial, and <SET> button.

LCD monitor

<MENU> button

<SET> button

Main Dial
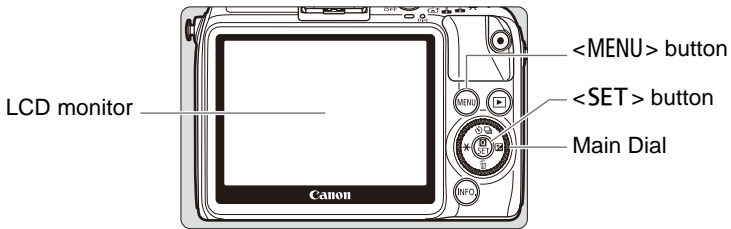
Menu Screen

The menu tabs and items displayed will differ depending on the shooting mode.

Scene Intelligent Auto
Basic Zone Modes

Shooting mode	CA
Image quality	▲L
Grid display	Off
○Histogram disp	Disable
Release shutter without card	ON
Image review	2 sec.

Movie Shooting Modes

Movie rec. size	1920x1080
Digital zoom	Disable
Sound recording	Auto
Video snapshot	Disable
Movie Servo AF	Enable
AF w/ shutter button during ♥	ON

Creative Zone Modes

▶ Playback

▶ Shooting

♥ Set-up

★ My Menu

Tabs

Menu items	Menu settings
Shooting mode	P
Image quality	▲L
Aspect ratio	3:2
Grid display	Off
○Histogram disp	Disable
Release shutter without card	ON
Image review	2 sec.

Menu items   Menu settings

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Menu Setting Procedure

1 Display the menu screen.
● Press the <MENU> button.

2 Select a tab.
● Press the Main Dial's <◀> <▶> keys to select a tab (group of functions).
● For example, in this manual, "the [✿3] tab" refers to the screen displayed when the third ✿ (Shooting) tab from the left [✿**··**] is selected.

Shooting mode	P
Image quality	▲L
Aspect ratio	3:2
Grid display	Off
✿Histogram disp	Disable
Release shutter without card	ON
Image review	2 sec.
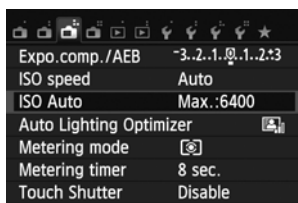
3 Select the desired item.
● Press the Main Dial's <▲> <▼> keys to select the item, then press <SET>.

Expo.comp./AEB	-3..2..1..0..1..2.:3
ISO speed	Auto
ISO Auto	Max.:6400
Auto Lighting Optimizer	☒ₗ
Metering mode	☒
Metering timer	8 sec.
Touch Shutter	Disable
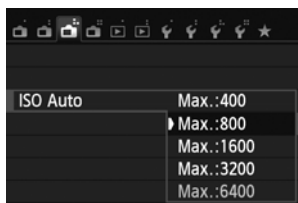
4 Select the setting.
● Press the Main Dial's <▲> <▼> or <◀> <▶> keys to select the desired setting. (Some settings require you to press either the <▲> <▼> or <◀> <▶> keys to select them.)
● The current setting is indicated in blue.

ISO Auto	Max.:400
	▶ Max.:800
	Max.:1600
	Max.:3200
	Max.:6400

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Expo.comp./AEB	-3..2..1..0..1..2.:3
ISO speed	Auto
ISO Auto	Max.:800
Auto Lighting Optimizer	
Metering mode	
Metering timer	8 sec.
Touch Shutter	Disable
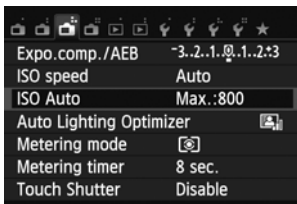
5 Set the desired setting.
● Press <SET> to set it.

6 Exit the setting.
● Press the <MENU> button to return to the shooting function settings screen.

● Even when the menu screen or captured image is displayed, pressing the shutter button will enable you to shoot immediately.
● In step 2, you can also turn the <◯> dial to select a menu tab.
● In steps 2 to 5, you can also use the LCD monitor's touch screen (p.50).
● The explanation of menu functions hereinafter assumes that you have pressed the <MENU> button to display the menu screen.
● To cancel, press the <MENU> button.

MENU Formatting the Card

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

⚠ **When the card is formatted, all images and data in 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.**
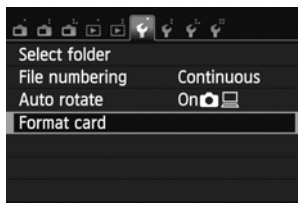
1 Select [Format card].

● Under the [♀1] tab, select [**Format card**], then press <SET>.
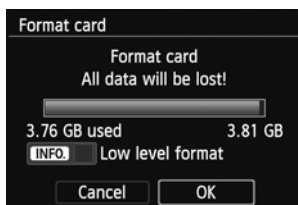
2 Format the card.

● Select [**OK**], then press <SET>.
▶ When the formatting is completed, the menu will reappear.

● For low-level formatting, press the <INFO.> button to append [**Low level format**] with a checkmark [√], then select [**OK**].

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⟨ʔ⟩ Using the Touch Screen ▬▬▬

The LCD monitor is a touch-sensitive panel that you can operate with your fingers.

Tap

Quick Control (Sample display)

- Use your finger to tap (touch briefly and then remove your finger from) the LCD monitor.
- By tapping, you can select menus, icons, etc., displayed on the LCD monitor.
- When touch-screen operation is possible, a frame will appear around the icon (except on menu screens).
- Tap [⤺] to return to the previous screen.

Operations possible by tapping the screen

- Setting menu functions after pressing the <MENU> button
- Quick Control
- Setting a function after you press the <ⓧ/➒> button
- Touch shutter
- Playback operations

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Drag

Menu screen (Sample display)
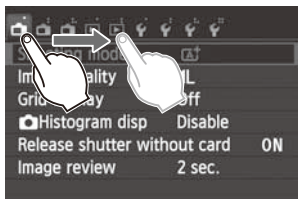
- Slide your finger while touching the LCD monitor.

Scale display (Sample display)

Operations possible by dragging your finger on the screen

- Selecting a menu tab or item after pressing the <MENU> button
- Setting a scale control
- Quick Control
- Playback operations

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Feature Guide

The Feature guide is a simple description of the respective shooting mode, function, or option. It is displayed when you change the shooting mode or use the Quick Control screen during still photo shooting, movie shooting, or playback. When you select a function or option on the Quick Control screen, the Feature guide description is displayed. When you proceed with the operation, the Feature guide will disappear.

● **Shooting mode** (Sample)
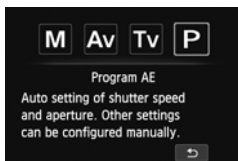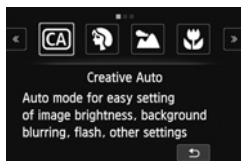
● **Quick Control** (Sample)
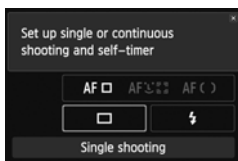
Q Quick Control   INFO. Quick Control   Playback

MENU Disabling the Feature Guide
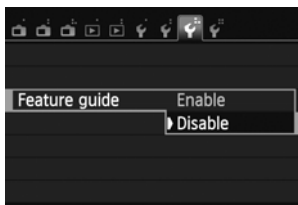
Select [Feature guide].

● Under the [♥3] tab, select [**Feature guide**], then press <SET>.
● Select [**Disable**], then press <SET>.

2

Basic Shooting

This chapter explains how to shoot with Scene Intelligent Auto and Basic Zone modes.

With <Ⓐ⁺>, you can shoot just by pressing the shutter button. With <🔲>, you can also blur the background (p.63), change the ambience, and match the lighting or scene.

Scene Intelligent Auto   Basic Zone Modes

📖 **Checking the Shooting Mode Set for <🔲>**
- There are 10 Basic Zone modes (shooting modes). Select [🔲1: Shooting mode] on the menu to check the current shooting mode (p.47).

Flash Firing of Speedlite 90EX
- If you use the Speedlite 90EX in a Basic Zone mode, the flash will fire automatically depending on the shooting mode (p.76).

A⁺ Fully Automatic Shooting (Scene Intelligent Auto) ▬

< A⁺ > is a fully automatic mode. The camera analyzes the scene and sets the optimum settings automatically.

1 Set the Mode Dial to < A⁺ >.
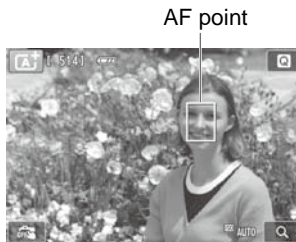
AF point

2 Move the AF point.
- Tap the screen to move the AF point to where you want to focus. (It cannot go to the edges of the picture.)
- To return the AF point to the center, press the < ▼ 🗑 > button.
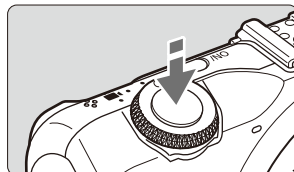
3 Focus the subject.
- Press the shutter button halfway to focus.
▶ When focus is achieved, the AF point will turn green and the beeper will sound.
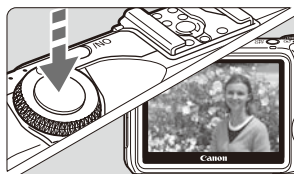
4 Take the picture.
- Press the shutter button completely.
▶ The captured image will be displayed for 2 sec. on the LCD monitor.

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- The <A⁺> mode makes the colors look more impressive in nature, outdoor, and sunset scenes. If the desired color tone is not obtained, use a Creative Zone mode and select a Picture Style other than <⌗⌗A> and shoot.
- The image's coverage is approx. 100% (with the image-recording quality set to JPEG ◢L).
- During continuous shooting, the exposure set for the first shot will also be applied to subsequent shots.
- With the stereo AV cable AVC-DC400ST (sold separately) or HDMI cable HTC-100 (sold separately), you can display the image being shot on a TV set.

? FAQ

- **The AF point turns orange and focus is not achieved.**
  Try again, aiming the AF point at an area with a good bright/dark contrast, then press the shutter button halfway. Also, focus may not be achieved if you are too close to the subject. Move away from the subject and shoot.

- **Multiple AF points appear in green.**
  Focus has been achieved at all the green AF points. When the AF point covering the desired subject turns green, take the picture.

- **Pressing the shutter button halfway does not focus the subject.**
  When an EF or EF-S lens is used, if the focus mode switch on the lens is set to <**MF**> (manual focus), manual focusing will be in effect. Set the focus mode switch to <**AF**> (autofocus).

Information Display

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

AF method
• AF □ : FlexiZone - Single
• AF ꭍꭍ : ꭍ +Tracking
• AF( ) : FlexiZone - Multi

Possible shots

Battery check

Q Quick Control

Shooting mode/Scene icons

Image-recording quality

Flash

Exposure simulation

Touch shutter

Magnified view

Drive mode

ISO speed
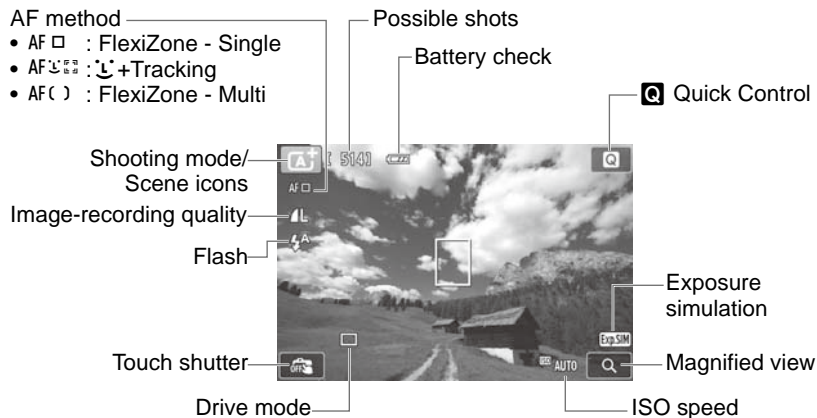
📓 ● When < ExpSIM > is displayed in white, it indicates that the image brightness is close to what the captured image will look like.
  ● If < ExpSIM > is blinking, it indicates that the image is not being displayed at the suitable brightness due to low- or bright-light conditions. However, the actual image recorded will reflect the exposure setting. Note that noise may be more noticeable than the actual image recorded.
  ● When [📷1: 📷Histogram disp] is set to a setting other than [Disable], you can press the <INFO.> button to display the histogram. However, the histogram will not be displayed while the shutter button is pressed completely.

A⁺ Full Auto Techniques (Scene Intelligent Auto) ▬

Recomposing the Shot

Depending on the scene, instead of having the subject at the center, you can put the subject toward the right or left and include some background. This gives the picture more balance and depth.

While you press the shutter button halfway to focus a still subject, the focus will be locked at the subject's distance. Then move the camera slightly to the right or left and press the shutter button completely. This is called "focus lock". Focus lock is also possible in Basic Zone modes (except < ⚑ > and < 🏃 >).

Scene Icons

When you shoot in the <A⁺> mode, an icon representing the scene detected by the camera will be displayed on the upper left of the screen (at the position of the shooting mode icon).

Subject / Background	Portrait[*1]		Non-Portrait			Background Color
		Movement	Nature and Outdoor Scene	Movement	Close[*2]	
Bright						Gray
Backlit						
Blue sky included						Light blue
Backlit						
Sunset	*3				*3	Orange
Spotlight						
Dark						Dark blue
With tripod	[*4*5]	*3	[*4*5]	*3		

*1: Displayed only when the AF method is set to [ꞈ+Tracking]. If another AF method is set, the "Non-Portrait" icon will be displayed even if a person is detected.

*2: Displayed when the attached lens has distance information. With an Extension Tube or Close-up Lens, the icon displayed may not match the actual scene.

*3: The icon suiting the scene detected will be displayed.

*4: Displayed when you use a tripod for a low-light or night scene.

*5: Displayed with any of the lenses below:
- EF-S18-55mm f/3.5-5.6 IS II
- EF-S55-250mm f/4-5.6 IS II
- EF300mm f/2.8L IS II USM
- EF400mm f/2.8L IS II USM
- IS lenses marketed in 2012 or later.

*4+*5: If the conditions in both *4 and *5 are met, the shutter speed will slow down.

* For certain scenes, the icon displayed may not match the actual scene.

Selecting a Shooting Mode (Basic Zone Mode)

1 Set the Mode Dial to < >.

2 Tap the shooting mode icon on the screen's upper left corner.
- The shooting mode selection screen will appear.
- If this screen is not displayed, press the <INFO.> button a few times.
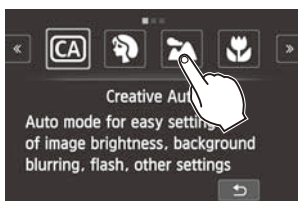
3 Tap the screen to select a shooting mode.

Creative Auto
Auto mode for easy setting
of image brightness, background
blurring, flash, other settings

Available Shooting Modes

The Basic Zone mode selection screen has three pages.

Creative Auto
Auto mode for easy setting
of image brightness, background
blurring, flash, other settings

Tap [«] and [»] on the left and right sides of the screen to go to another page.
- To return to the shooting screen, tap [↩] or press <SET>.

Shooting Mode		Page	Shooting Mode		Page
CA	Creative Auto	p.60	养	Kids	p.69
♪	Portrait	p.65	ⅼ	Food	p.70
▲	Landscape	p.66	N	Night Portrait	p.71
♥	Close-up	p.67	卥	Handheld Night Scene	p.72
🏃	Sports	p.68	ぷ	HDR Backlight Control	p.73

C Creative Auto Shooting

In the <C> mode, you can set the following functions before shooting: (1) Ambience-based shots, (2) Extra Effect Shot, (3) Flash firing, (4) Background blur, and (5) Drive/self-timer mode. The default settings are the same as the <A⁺> mode.

* CA stands for Creative Auto.

1 Set the Mode Dial to <C>.

2 Tap the shooting mode icon on the screen's upper left corner.
- The shooting mode selection screen will appear.

3 Tap the screen to select [C].

Creative Auto
Auto mode for easy setting
of image brightness, background
blurring, flash, other settings
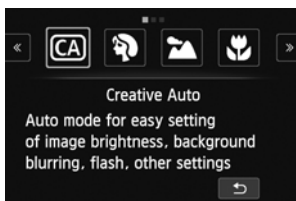
4 Display the Quick Control screen.
- Press the <Q> button to display it.
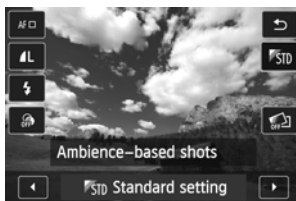
5 Select the desired function.
- Extra Effect Shot, Ambience-based shots, and flash firing can be set with Quick Control.
- Background blur can be set by tapping the icon on the shooting screen.
- Drive/self-timer mode can be set by pressing the <✣/⛶> button.

Ambience-based shots
⎢STD Standard setting
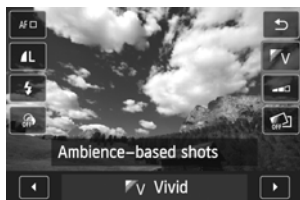
6 Tap the desired setting to select it.
▶ The selected function and Feature guide (p.52) will appear.
● For setting procedure and details on each function, see pages 61-64.
● Select the function, then tap [↩].

7 Take the picture.
● Press the shutter button.

📝 If you change the shooting mode or set the power to < OFF >, the functions you have set on this screen will revert to their default settings. However, the AF method, Creative filter, image-recording quality, and self-timer settings will be retained.

Setting from Quick Control

(3)
(1)
(2)

Ambience-based shots

(1) Ambience-based shots
• You can choose the ambience you want to convey in your images.

(2) Extra Effect Shot

- You can select any of the following effects before shooting: Creative filters, Picture Styles, and Ambience-based shots.
- Select [❤: **Enable**], then tap [↩].
- Tap [↗] and [↘] to select a shooting effect.
- When you take a picture, two images will be recorded. One with the effect applied and one without. Immediately after you take a picture, both images will be displayed together. The image without the effect is displayed on the left and the one with the effect will be on the right.
  * If you are using an Eye-Fi card and have set it to erase images after their transfer, the image without the effect will not be displayed during the playback immediately after shooting.

Registering your favorite shooting effects
- During the image review immediately after shooting and during playback, the image applied with the effect will have the [❤] icon. You can check which shooting effect was applied by tapping the icon.
- You can register up to two shooting effects under [★ : **Favorite effect**].
- When you select the registered [★ : **Favorite effect**], you can shoot with that shooting effect applied. You can also overwrite the [★ : **Favorite effect**].

(3) Attached Speedlite 90EX flash firing

[⚡ᴬ] **Auto flash** : The flash fires automatically when necessary.
[⚡] **Flash on** : The flash fires at all times.
[⚡] **Flash off** : The flash is disabled.
* When a flash other than the Speedlite 90EX is attached, the flash mode will be set to Flash on.

📝 You cannot set Extra Effect Shot and Ambience-based shots, or Extra Effect Shot and Background blur, at the same time.

Setting by Tapping the Screen

(4)

(4) Background blur

- On the shooting screen, tap Background blur and set it.
- If [OFF] is set, the degree of background blur will change depending on the brightness.
- If it is set to other than [OFF], [**Simulating blur**] will appear on the screen and you can adjust the background blur regardless of brightness.
- Set by tapping the screen. Move the index mark toward the right to make the background look more in focus, or move it toward the left to make the background look more blurred. Note that depending on the lens' maximum aperture (f/number), some positions may not be selectable.
- If you want to blur the background, see "Shooting Portraits" on page 65.
- Depending on the lens and shooting conditions, the background may not look so blurred.
- Cannot be used with flash.
- When using a Speedlite, Background blur will change to [OFF] when the Speedlite is fully recharged.

If [ExpSIM] blinks while [**Simulating blur**] is displayed, the image may have more noise or look darker than the actual image.

Setting by Pressing <$\dot{\circlearrowleft}$/$\Box_{l}$>

→

(5)
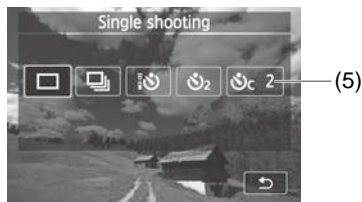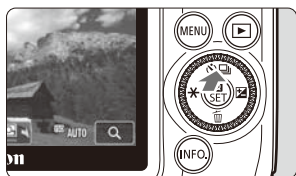
(5) Drive/self-timer mode

Set by pressing <$\dot{\circlearrowleft}$/$\Box_{l}$>.

[$\Box$] **Single shooting**:
Shoot one image at a time.

[$\Box_{l}$] **Continuous shooting**:
While you hold down the shutter button completely, shots will be taken continuously. You can shoot up to approx. 4.6 shots per second.

[$\check{\mathbb{I}}\dot{\circlearrowleft}$] **Self-timer: 10sec./remote control**:
The picture is taken 10 seconds after you press the shutter button. A remote controller can also be used.

[$\dot{\circlearrowleft}_2$] **Self-timer: 2 sec.**:
The picture is taken 2 seconds after you press the shutter button.

[$\dot{\circlearrowleft}_C$] **Self-timer: Continuous**:
Tap [▲]/[▼] to set the number of multiple shots (2 to 10) to be taken with the self-timer. 10 seconds after you press the shutter button, the set number of multiple shots will be taken.

$\boxed{5}$ If you have set Extra Effect Shot, [$\Box_{l}$] [$\dot{\circlearrowleft}_C$] cannot be set.

ポ Shooting Portraits (Portrait) ▬▬

The < ポ > (Portrait) mode blurs the background to make the person stand out better. It also makes skin tones and the hair look softer.

For portrait shots. Backgrounds are blurred,subjects stand out. Smoothes skin tone and hair.
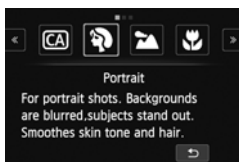
☼ Shooting Tips

● **The further the distance between the subject and background, the better.**
The further the distance between the subject and background, the more blurred the background will look. The subject will also stand out better against an uncluttered dark background.

● **Use a telephoto lens.**
If you have a zoom lens, use the telephoto end to fill the frame with the subject from the waist up. Move in closer if necessary.

● **Focus the face.**
Check that the AF point covering the face turns green. For close-ups of the face, focus on the eyes.

🗐 The default setting is [⚞] (continuous shooting). If you hold down the shutter button, you can shoot continuously to capture subtle changes in the subject's pose and facial expression (max. approx. 4.6 shots/sec.).

▲ Shooting Landscapes (Landscape)

Use the < ▲ > (Landscape) mode for wide scenes when you want everything to be in focus from near to far. For vivid blues and greens, and very sharp and crisp images.
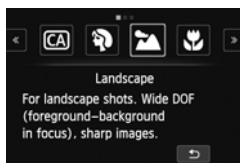
🔅 Shooting Tips

● **With a zoom lens, use the wide-angle end.**
When using the wide-angle end of a zoom lens, objects near and far will be in focus better than at the telephoto end. It also adds breadth to landscapes.

● **Shooting night scenes.**
Use a tripod to prevent camera shake.

📝 With < ▲ >, the flash does not fire even if the Speedlite 90EX is attached.

🌷 Shooting Close-ups (Close-up)

When you want to shoot flowers or small objects up close, use the < 🌷 > (Close-up) mode. To make small things appear much larger, use a macro lens (sold separately).
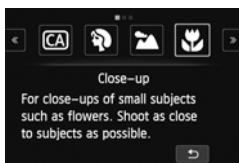
☼ Shooting Tips

● **Use a simple background.**
A simple background with no other flowers or leaves, etc., makes small objects such as flowers stand out better.

● **Move as close as possible to the subject.**
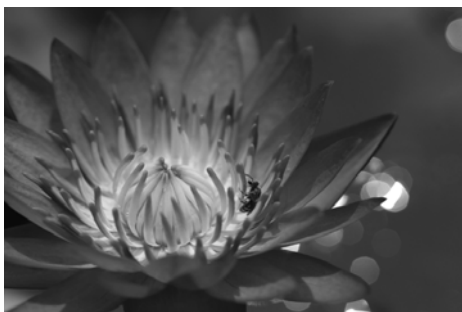Check the lens for its minimum focusing distance. Some lenses have indications such as <**MACRO 0.25/0.8ft**>. (This example indicates a minimum focusing distance of 25 cm/0.8 ft.) The lens minimum focusing distance is measured from the < ⊖ > (focal plane) mark on the top of the camera to the subject. If you are too close to the subject, focus cannot be achieved.

● **With a zoom lens, use the telephoto end.**
If you have a zoom lens, using the telephoto end will make the subject look larger.

⚞ Shooting Moving Subjects (Sports) ▬▬

Use the < ⚞ > (Sports) mode to shoot a moving subject.

☀ Shooting Tips

● **Shoot continuously.**
   When focus is achieved, the AF point will turn blue.
   While the camera focuses, the beeper will sound. If focus cannot be
   achieved, the AF point will turn orange.
   When you want to take the picture, press the shutter button completely. If
   you hold down the shutter button completely, the camera will shoot
   continuously so you can capture the changing movement.
   When using a lens with "STM" in its name, such as the EF-M18-55mm
   f/3.5-5.6 IS STM, the camera can keep focusing and shooting
   continuously. With other lenses, the focus will be locked for the second
   and subsequent frames during continuous shooting.

> ● When using a lens with "STM" in its name, such as the EF-M18-55mm f/3.5-
>   5.6 IS STM, the continuous shooting speed becomes slower since the camera
>   keeps focusing and shooting continuously.
> ● Setting the [**AF method**] to [**FlexiZone - Single**] is recommended.
> ● Depending on the shooting conditions, it may take a moment until the shutter
>   is released.
> ● Under low light, when camera shake is prone to occur, the LCD monitor's shutter
>   speed display on the bottom left will blink. Hold the camera steady and shoot.
> ● When [**FlexiZone - Multi**] is set, press the shutter button halfway to fix the AF points.
> ● When [⚞ **(face)+Tracking**] is set, the AF point is fixed during continuous shooting.

> 📔 With < ⚞ >, the flash does not fire even if the Speedlite 90EX is attached.

🏃 Shooting Children (Kids)

When you want to continuously focus and shoot children moving around, use <🏃> (Kids). Skin tones will look healthy.

☀️ Shooting Tips

● **Shoot continuously.**

When focus is achieved, the AF point will turn blue.

While the camera focuses, the beeper will sound. If focus cannot be achieved, the AF point will turn orange.

When you want to take the picture, press the shutter button completely. If you hold down the shutter button completely, the camera will shoot continuously so you can capture the changing movement.

When using a lens with "STM" in its name, such as the EF-M18-55mm f/3.5-5.6 IS STM, the camera can keep focusing and shooting continuously. With other lenses, the focus will be locked for the second and subsequent frames during continuous shooting.

● When using a lens with "STM" in its name, such as the EF-M18-55mm f/3.5-5.6 IS STM, the continuous shooting speed becomes slower since the camera keeps focusing and shooting continuously.

● Setting the [**AF method**] to [**FlexiZone - Single**] is recommended.

● Depending on the shooting conditions, it may take a moment until the shutter is released.

● When [**FlexiZone - Multi**] is set, press the shutter button halfway to fix the AF points.

● When [**⚲ (face)+Tracking**] is set, the AF point is fixed during continuous shooting.

¶ Shooting Food (Food)

When shooting food, use <¶> (Food). The photo will look bright and vivid.

Food
For culinary photography. Makes food look fresh and vibrant.

⌾ Shooting Tips

● **Change the color tone.**
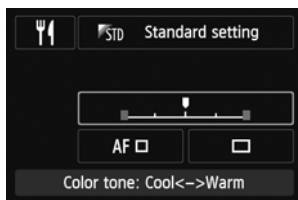
You can change [**Color tone**]. Food photos with a reddish tinge usually make the food look more vivid. To increase the food's reddish tinge, set it toward [**Warm**]. Set it toward [**Cool**] if it looks too red.

● **Shoot the subject in close-up.**
If you have a zoom lens, use the telephoto end to shoot the food in close-up.

● **Light the subject diagonally from behind.**
Lighting the food diagonally from behind will make it look more three-dimensional in the photo.

● **Avoid using flash.**
If you use flash, the light may reflect off the dish or food and results in unnatural shadows.

● Since this mode sets the color tone to make food look vivid, human subjects may be shot in an unsuitable skin tone.
● If you use flash, the [**Color tone**] setting will switch to the default setting.

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C Shooting Night Portraits (With a Tripod)

To shoot people at night and obtain a natural-looking night scene in the background, use the <C> (Night Portrait) mode. A flash is required for shooting.
Using a tripod is also recommended.

Night Portrait
For shooting subjects in night scenes. Flash is required and use of tripod recommended.
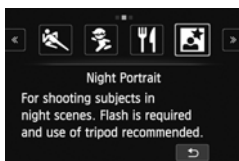
☼ Shooting Tips

● **Use a wide-angle lens and a tripod.**
When using a zoom lens, use the wide-angle end to obtain a wide night view. Also, use a tripod to prevent camera shake.

● **Check the subject's brightness.**
When the Speedlite 90EX's power is <ON>, the flash will fire automatically under low-light conditions to obtain a nice portrait. It is recommended to play back the image after the shooting to check the image brightness. If the subject looks dark, move nearer and shoot again.

⊕ See the cautions on page 74.

📓 ● Tell the subject to keep still even after the flash fires.
● If you use the self-timer together with flash, the self-timer lamp will light up briefly after the picture is taken.

Shooting Night Scenes (Handheld)

Using a tripod when shooting a night scene gives the best results. However, the <■> (Handheld Night Scene) mode enables you to shoot night scenes even while handholding the camera. Four shots are taken continuously for each picture, and the resulting image with reduced camera shake is recorded.
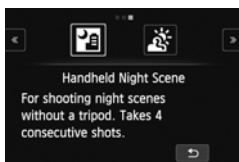
Shooting Tips

● **Hold the camera firmly.**
While shooting, hold the camera firmly and steadily. In this mode, four shots are aligned and merged into a single image. However, if there is significant misalignment in any of the four shots due to camera shake, they may not align properly in the final image.

● **For shots of people, turn on the flash.**
When you use flash, you can shoot portraits with a night scene in the background. To take a nice portrait, the first shot will use flash. Tell the subject not to move until all four continuous shots are taken.

☼ Shooting Backlit Scenes (HDR Backlight Control) ▬

When shooting a scene having both bright and dark areas, use the < ☼ > (HDR Backlight Control) mode. When you take one picture in this mode, three continuous shots are taken at different exposures. This results in one image, with a wide tonal range, that has minimized the blocked-up shadows caused by backlighting.
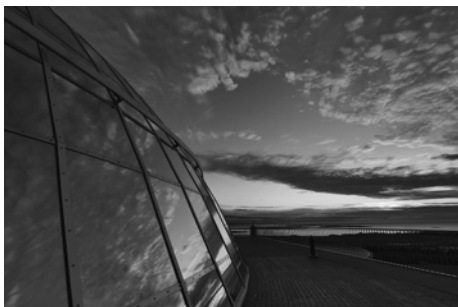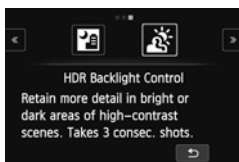
☼ Shooting Tips

● **Hold the camera firmly.**
While shooting, hold the camera firmly and steadily. In this mode, three shots are aligned and merged into a single image. However, if there is significant misalignment in any of the three shots due to camera shake, they may not align properly in the final image.

● Flash shooting is not possible. In low light, the AF-assist beam may be emitted.
● See the cautions on page 74.

HDR stands for High Dynamic Range.

Cautions for <🌃> Night Portrait and <🏙> Handheld Night Scene

- It may be difficult to focus dots of light such as in a night scene. In such a case, set the lens's focus mode to [**MF**] and focus manually.

Cautions for <🏙> Handheld Night Scene and <🎿> HDR Backlight Control

- Compared with other shooting modes, the shooting area will be smaller.
- RAW+⬛L or RAW cannot be selected. If RAW+⬛L or RAW has been set, ⬛L will be set.
- If you shoot a moving subject, the subject's movement may leave afterimages or the surrounding area of the subject may become dark.
- The image alignment may not function properly with repetitive patterns (lattice, stripes, etc.), flat or single-tone images, or images significantly misaligned due to camera shake.
- Recording the image to the card will take longer than with normal shooting. During the processing of the images, "**BUSY**" will be displayed and you cannot take another picture until the processing is completed.
- You cannot use Creative filters when shooting.
- Final image simulation is not available.
- If the shooting mode is set to <🏙> or <🎿>, direct printing is not possible.

Cautions for <🏙> Handheld Night Scene

- When shooting flash photography, if the subject is too close to the camera, the picture may come out extremely bright (overexposure).
- If you use flash to shoot a night scene with few lights, the shots may not align correctly. This can result in a blurry photo.
- If you use flash and the human subject is close to the background that is also illuminated by the flash, the shots may not align correctly. This can result in a blurry photo. Unnatural shadows and unsuitable colors may also appear.
- Regarding flash coverage:
  - When using a Speedlite with automatic flash coverage setting, the zoom position will be fixed to the wide end, regardless of the lens' zoom position.
  - If you have to set the flash coverage manually, set it to the wide-angle end.

Cautions for <🎿> HDR Backlight Control

- Note that the image may not be rendered with a smooth gradation and may look irregular or have significant noise.
- HDR Backlight Control may not be effective for excessively backlit scenes or extremely high-contrast scenes.
- When shooting subjects that are sufficiently bright, for example for normally lit scenes, the image may look unnatural because of the applied HDR effect.

ᗺ **Using the Self-timer**

1 Press the <ᗺ/⊒> button.
- You can also select the shooting mode on the INFO. Quick Control screen.

2 Tap the self-timer.

ᗺ: **10-sec. self-timer**

    The remote controller can also be used.

ᗺ₂: **2-sec. self-timer**

ᗺc: **10-sec. self-timer plus continuous shots**

    Tap [▲]/[▼] to set the number of multiple shots (2 to 10) to be taken with the self-timer.

- By tapping [�)], you can return to the previous screen.
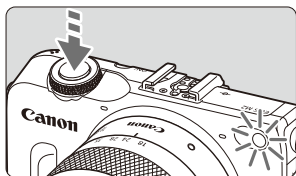
3 Take the picture.
- Focus the subject, then press the shutter button completely.
▶ You can check the self-timer operation with the self-timer lamp, beeper, and countdown display (in seconds) on the LCD monitor.
▶ Two seconds before the picture is taken, the self-timer lamp will light up and the beeper will sound faster.

To cancel the self-timer shooting:
Press the <ᗺ/⊒> button or tap the screen.
To cancel the self-timer setting, press the <ᗺ/⊒> button and tap [□] or [⊒].

Functions that Can Be Set with Quick Control

With <[A+]> and in Basic Zone modes, you can set the following functions with [Q] Quick Control (p.42) and INFO. Quick Control (p.44).

Functions that Can Be Set with <[A+]> and in Basic Zone Modes

●: Default setting ○: User selectable ☐: Not selectable

Function		[A+]	Basic Zone Modes 📷									
			CA	🎭	🏔	🌷	🏃	🏃	🍴	🖼	🖼	🌃
AF method (p.79) [Q]	FlexiZone - Single	○	○	○	○	○	○	○	○	○	○	○
	⌣+Tracking											
	FlexiZone - Multi											
Image-recording quality [Q]		○	○	○	○	○	○	○	○	○	○	○
Drive mode	☐: Single shooting	●	●	○	●	●	○	○	●	●	●	●
	🔲: Continuous shooting	○	○	●	○	○	●	●	○	○	○	○
Self-timer (p.75)	⏱⟳ (10 sec.)	○	○	○	○	○	○	○	○	○	○	○
	⟳₂ (2 sec.)	○	○	○	○	○	○	○	○	○	○	○
	⟳c (Continuous)	○	○	○	○	○	○	○	○	○	○	○
Speedlite 90EX [Q]	⚡ᴬ: Automatic firing	●	●	●		●		●		●		
	⚡: Flash on (Fires at all times)	○	○	○		○		○	●		●	
	⚡⊘: Flash off	○	○	○	●	○	●	○				●
Ambience-based shots [Q]			○	○	○	○	○	○	○	○	○	
Light/scene-based shots [Q]				○	○	○	○	○				
Background blur (p.63)			○									
Color tone [Q]											○	
Extra Effect Shot (p.62) [Q]			○									
Creative filters [Q]				○	○	○	○	○	○	○	○	

* Functions with [Q] can be set with the [Q] Quick Control screen.

📄 If you change the shooting mode or set the power to < OFF >, it will revert to the default settings (except the AF method, image-recording quality and self-timer). The Creative filter setting will not be canceled even after setting the power to < OFF >. However, it will be canceled if you change the shooting mode to <[A+]>, <🖼>, <🎥>, or <'🎬>.

3

Autofocus

You can select an AF method to suit the shooting conditions and your subject.

MENU Selecting a Focusing Method

With an EF-M Lens

AF operation ONE SHOT AF
AF method FlexiZoneAF□
Continuous AF Enable
Focus mode AF
Image Stabilizer Enable
Lens aberration correction
External Speedlite control
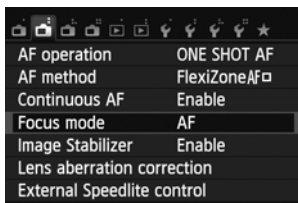
1 Select [Focus mode].
- Under the [📷2] tab, select [**Focus mode**].
- [**Focus mode**] will be displayed when an EF-M lens is attached. It will not be displayed when an EF or EF-S lens is attached.
- With <🅰⁺>, this setting will not be displayed. (It will be set to AF automatically.)

Focus mode
AF (Auto)
AF   MF   AF+MF
SET OK

2 Select the desired item.
- **AF: AF (Auto)**
  Stands for autofocus.
- **MF: MF (Manual)**
  Stands for manual focus.
- **AF+MF: Manual focus after AF**
  After focus is achieved using AF, you can make final focus adjustments manually. After the AF operation, turn the focusing ring while holding the shutter button pressed halfway.

With < 🏃 > or < 🐾 >, or if [**AF operation**] is set to [**Servo AF**], priority is given to Servo AF. In such cases, even if you set the focus mode to [**AF+MF**], you will not be able to focus manually.

Using AF to Focus (AF Method)

Selecting the AF Method

You can select an AF method to suit the shooting conditions and your subject. The following AF methods are provided: [**FlexiZone - Single**], [ﾚ **(face)+ Tracking**] (p.80), and [**FlexiZone - Multi**] (p.82).
If you want to achieve precise focus, set the lens focus mode switch to [**MF**], magnify the image, and focus manually.

Select the AF method.

- Select the AF method with Quick Control (p.42).
- Select the desired AF method at the bottom of the screen, then tap [↩] to set.
- You can also select from [**AF method**] under the [📷2] tab.

FlexiZone - Single: AF □

This is effective when you want to focus a particular subject, since only one AF point is used to focus.

1 Move the AF point.

- Tap the screen to move the AF point to where you want to focus. (It cannot go to the edges of the picture.)
- To return the AF point to the center, press the < ▼ 🗑 > button.
- During movie shooting, if [**Movie Servo AF**] is set to [**Enable**], the AF point will be displayed in a larger size.
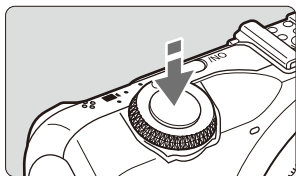
AF point

2 Focus the subject.

- Aim the AF point over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF point turns green and the beeper sounds. (If [**AF operation**] is set to [**Servo AF**], the AF point turns blue and the beeper will not sound.)
- ▶ If focus is not achieved, the AF point will turn orange.

3 Take the picture.

- Press the shutter button completely (p.54).

⌣ (face)+Tracking: AF⌣🔲

Human faces are detected and focused. If a face moves, the AF point < ⌣ > also moves to track the face.

1 Check the AF point.

- When a face is detected, the < ⌣ > AF point will appear over the face to be focused.
- You can also tap the LCD monitor screen to select the face or subject. If the subject is not a face, < ⌣ > will be displayed.
- If no faces can be detected, or if you tap the LCD monitor but do not select any face or subject, the camera will switch to [**FlexiZone - Multi**] with automatic selection (p.82).

2 Focus the subject.

- Press the shutter button halfway to focus.
▶ When focus is achieved, the AF point turns green and the beeper sounds. (If [**AF operation**] is set to [**Servo AF**], the AF point turns blue and the beeper will not sound.)
▶ If focus is not achieved, the AF point will turn orange.

3 Take the picture.
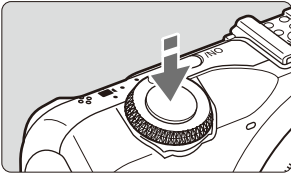
- Press the shutter button completely (p.54).

- If the subject's face is significantly out of focus, face detection will not be possible. You can prevent this by setting [**Continuous AF**] to [**Enable**].
- An object other than a human face may be detected as a face.
- Face detection will not work if the face is very small or large in the picture, too bright or too dark, or partially hidden.
- The <⟨ ⟩> may cover only part of the face.
- If you press the shutter button to focus again while the access lamp is illuminated after shooting, the focus mode may momentarily switch to [**FlexiZone - Multi**]. (Face detection will not function.)

- When you press the <▼ 🗑> button, the <⟨⟩> AF point will appear at the center of the screen. Drag it to move the AF point. Press the <▼ 🗑> button again, and the AF point will move to the detected subject.
- Since AF is not possible with a face detected near the edge of the picture, the <⟨ ⟩> will be grayed out. If you press the shutter button halfway, the subject will be focused in [**FlexiZone - Multi**] AF method with automatic selection.

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FlexiZone - Multi: AF( )

Up to 31 AF points (automatically selected) covering a wide area can be used to focus. This wide area can also be divided into 9 zones for focusing (zone selection).

Area frame

Zone frame
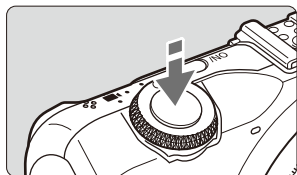
1 Select the AF zone. ◙

- During automatic selection, tap the screen to switch to zone selection. With <A⁺> and in Basic Zone modes, automatic selection will be set.
- To select a zone, tap it on the screen. To return to the center zone, press the <▼ 🗑> button.
- During zone selection, tap the [⟮ ⟯↺] icon on the screen to switch to automatic selection.

2 Focus the subject.

- Aim the AF point over the subject and press the shutter button halfway.
- ▶ When focus is achieved, the AF point turns green and the beeper sounds. (If [**AF operation**] is set to [**Servo AF**], the AF point turns blue and the beeper will not sound.)
- ▶ If focus is not achieved, the area frame or zone frame will turn orange.

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3 Take the picture.

● Press the shutter button completely (p.54).

![warning] ● When the camera does not focus the desired target subject with automatic AF point selection, switch the AF method to zone selection or [**FlexiZone - Single**], and focus again.
● Depending on the aspect ratio setting, the number of AF points will differ. At [**3:2**], there will be 31 AF points. At [**1:1**] and [**4:3**], there will be 25 AF points. And at [**16:9**], 21 AF points. Also, at [**16:9**], there will be only three zones.
● For movie shooting, there will be 21 AF points (or 25 AF points if [**640x480**] is set) and three zones (or 9 zones if [**640x480**] is set).

Notes About [FlexiZone - Single], [(face)+Tracking], and [FlexiZone - Multi]

AF Operation

● Even when focus has been achieved, pressing the shutter button halfway will focus again.
● The image brightness may change during and after the AF operation.
● If the light source changes during autofocusing, the screen may flicker and focusing may be difficult. If this happens, turn the camera off and on again, then autofocus under the actual light source.
● When [**FlexiZone - Single**] is set and you tap on [ ] on the screen, the image at the AF point will be magnified. When you press the shutter button halfway, the camera will focus while the magnified image is displayed. (However, if [**AF operation**] is set to [**Servo AF**], the display will return to normal and then the camera will focus.) This is effective when the camera is attached to a tripod and you need to attain very precise focus. If focusing is difficult in the magnified view, return to the normal display and use AF. Note that the AF speed may differ between the normal and magnified views. The image can also be magnified when [**FlexiZone - Multi**] is set. However, if you press the shutter button halfway, the display will return to normal and the camera will focus.
● When [**FlexiZone - Multi**] is set, press the shutter button halfway to fix the AF points.
● If you magnify the view after focusing with [**FlexiZone - Single**] or [**FlexiZone - Multi**] in the normal view, precise focus may not be achieved.
● If [**(face)+Tracking**] is set, magnified view is not possible. The AF point is fixed during continuous shooting.
● When [**(face)+Tracking**] or [**FlexiZone - Multi**] is set, the AF point is fixed during continuous shooting.

Continuous Shooting when [AF operation] is Set to [Servo AF]:

● When using a lens with "STM" in its name, such as the EF-M18-55mm f/3.5-5.6 IS STM, the camera can keep focusing and shooting continuously during Servo AF. (The continuous shooting speed becomes slower.) With other lenses, the focus will be locked for the second and subsequent frames during continuous shooting.

● If you shoot a peripheral subject and it is slightly out of focus, aim the center AF point or zone over the subject to focus, focus again and then take the picture.
● In magnified view, focusing using AF may be difficult due to the magnified effect of camera shake. Using a tripod is recommended.

Shooting Conditions that Make Focusing Difficult

- Low-contrast subjects such as the blue sky, solid-color flat surfaces or when highlights or shadow details are lost.
- Extremely bright or dark subjects.
- Stripes and other patterns where there is contrast only in the horizontal direction.
- Subjects with repetitive patterns (skyscraper windows, computer keyboards, etc.).
- Fine lines and subject outlines.
- Under a light source whose brightness, color, or pattern keeps changing.
- Night scenes or points of light.
- When the image flickers under fluorescent or LED light sources.
- Extremely small subjects.
- Subjects at the edge of the picture.
- Subjects strongly reflecting light.
- The AF point covers both near and distant subjects (such as an animal in a cage).
- Subjects that keep moving within the AF point and cannot keep still due to camera shake or subject blur.
- Autofocusing while the subject is very far out of focus.
- Soft focus effect is applied with a soft focus lens.
- A special effect filter is used.
- Noise (spots, banding, etc.) appears on the screen during AF.

- In the above cases, if the camera cannot focus automatically, focus manually.
- With some EF or EF-S lenses (Mount Adapter EF-EOS M required), it may take longer to achieve focus or correct focus may not be achieved. For more information, refer to Canon Web site.

௸ Shooting with the Touch Shutter

Just by tapping the LCD monitor screen, you can focus and take the picture automatically. This works in all shooting modes.

1 Enable the touch shutter.

- Tap [௸] on the screen's bottom left. Each time you tap the icon, it will toggle between [௸] and [௸].
- [௸] (Touch Shutter: Enable)
  You can tap to focus and shoot.
- [௸] (Touch Shutter: Disable)
  You can tap to select the point to focus. Then, press the shutter button completely to shoot.

2 Tap the screen to shoot.

- Tap the face or subject on the screen.
- ▶ At the point you tap, the camera will focus in the AF method that was set (p.79-83). When [**FlexiZone - Multi**] is set, it will switch to [**FlexiZone - Single**].
- ▶ When focus is achieved, the AF point turns green and the picture is taken automatically.
- If focus is not achieved, the AF point turns orange and the picture cannot be taken. Tap the face or subject on the screen again.

- ⚠ Even if the drive mode is set to [☐] (continuous shooting), single shooting will take effect.
- The touch shutter does not work with the magnified view.
- When [**5: Shutter/AE lock button**] is set to [**1: AE lock/AF**] or [**3: AE/AF, no AE lock**] under [**♀4: Custom Functions (C.Fn)**], autofocusing does not take effect.

4

Shooting Movies
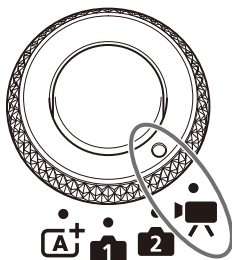
Set the Mode Dial to <🎥> to shoot movies. The movie recording format will be MOV.

● For information on which cards can record movies, see page 3.

📝 **Full HD 1080**

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

FULL HD
1080

'ᗒ Shooting Movies

Connecting the camera to a TV set is recommended to play back the movies shot.

Autoexposure Shooting

When you select the movie shooting mode [ᗒ], autoexposure is set to adjust the brightness automatically.

1 **Set the Mode Dial to <ᗒ>.**

2 **Tap the shooting mode icon on the screen's upper left corner.**
* The shooting mode selection screen will appear.
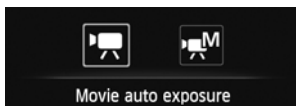
3 **Select [ᗒ] (Movie auto exposure) for the shooting mode.**
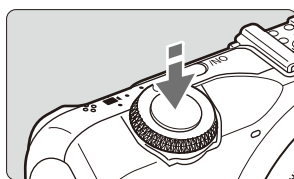
4 **Focus the subject.**
* Before shooting a movie, focus with AF or manual focus (p.78-83).
* By default, [**Movie Servo AF: Enable**] is set for continuous focusing.
* When [**Movie Servo AF**] is set to [**Enable**], you can tap [🖐ᗒ] on the screen's lower left to stop/start the focusing. If you stop the focusing, the AF point will turn gray.
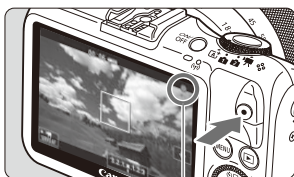
5 **Shoot the movie.**
* Press the <●> (Movie start/stop) button to start shooting a movie. To stop shooting the movie, press the <●> (Movie start/stop) button again.
* ▶ While the movie is being shot, the "●" mark will be displayed on the upper right of the screen.

Recording movie
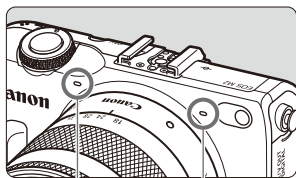
● While shooting a movie, be careful not to cover the microphones with your finger.

Microphones

Using an EX-series Speedlite (Sold Separately) Equipped with an LED Light

This camera is compatible with the function turning on the LED light automatically in low-light conditions during autoexposure shooting. **For details, refer to the EX-series Speedlite's instruction manual.**

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. The use of a tripod is recommended for people with circulation problems or very sensitive skin, or when using the camera in very hot places.

Movie Shooting Screen

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

AF method
• AF □   : FlexiZone - Single
• AF 👤⁺ : 👤+Tracking
• AF( ) : FlexiZone - Multi

Possible shots (still photos)

Movie shooting remaining time*/
Elapsed time

Battery check

Movie shooting mode
🎬 : Autoexposure
🎬ᴹ : Manual exposure

AF point (FlexiZone - Single)

AE lock

White balance

Image-recording
quality
(still photos)

Quick Control

Picture Style

Movie recording
size

Auto Lighting
Optimizer

Digital zoom

Miniature effect
movie

Video snapshot

Exposure mode

Drive mode

Magnify/Digital zoom

Movie Servo AF

AE lock

Recording level: Manual

Shutter speed

ISO speed

Image Stabilizer: OFF

Attenuator

Aperture

Highlight tone priority

Video snapshot shooting duration

Wind filter

Digital compass

Eye-Fi card

GPS connection indicator

Exposure level indicator

* Applies to a single movie clip.

When movie shooting starts, the movie shooting remaining time will change to the elapsed time.

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INFO. **Quick Control During Movie Shooting**
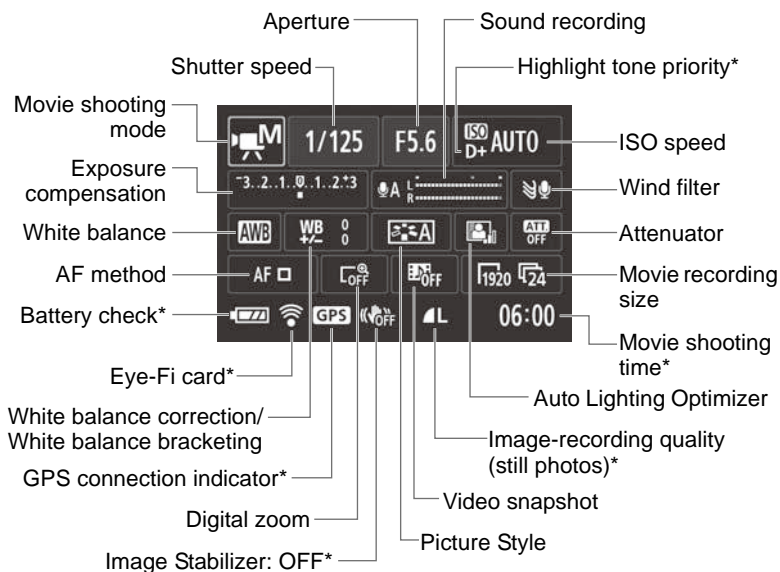
Aperture

Sound recording

Shutter speed

Highlight tone priority*

Movie shooting mode

ISO speed

Exposure compensation

Wind filter

White balance

Attenuator

AF method

Movie recording size

Battery check*

Movie shooting time*

Eye-Fi card*

Auto Lighting Optimizer

White balance correction/ White balance bracketing

Image-recording quality (still photos)*

GPS connection indicator*

Video snapshot

Digital zoom

Picture Style

Image Stabilizer: OFF*

- * These functions cannot be set with the INFO. Quick Control screen.
- The settable functions differ depending on the shooting mode.

Setting the Movie Recording Size

You can select the movie's image size [****x****] and frame rate [▯] (frames recorded per second). The ▯ (frame rate) switches automatically depending on the [♈2: Video system] setting.
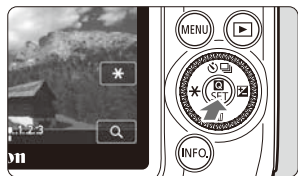
1 Display the Quick Control screen.
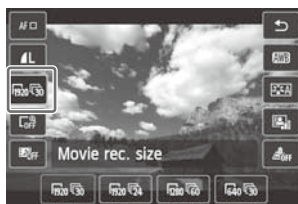- Press the <▣> button to display it.

2 Tap the movie recording size.

3 Tap the desired setting to select it.
- Tap the desired setting to select it, then tap [↰].

1280x720 60fps
06:00

- **Image size**

  ▯ [**1920x1080**] : Full High-Definition (Full HD) recording quality. The aspect ratio will be 16:9.

  ▯ [**1280x720**] : High-Definition (HD) recording quality. The aspect ratio will be 16:9.

  ▯ [**640x480**] : Standard-definition recording quality. The aspect ratio will be 4:3.

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

  ▯/▯ : For areas where the TV format is NTSC (North America, Japan, Korea, Mexico, etc.).

  ▯/▯ : For areas where the TV format is PAL (Europe, Russia, China, Australia, etc.).

  ▯ : Records the movie at the cinematic rate of 24 fps.

Total Movie Recording Time and File Size Per Minute

Movie Recording Size		Total Recording Time (approx.)			File Size (approx.)
		4 GB Card	8 GB Card	16 GB Card	
[**1920x1080**]	30 25 24	11 min.	22 min.	44 min.	330 MB/min.
[**1280x720**]	60 50	11 min.	22 min.	44 min.	330 MB/min.
[**640x480**]	30 25	46 min.	1 hr. 32 min.	3 hr. 4 min.	82.5 MB/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 displayed in the movie shooting screen will start blinking. If you keep shooting the movie and the file size exceeds 4 GB, a new movie file will be created automatically and the elapsed shooting time will stop blinking.
  When you play back the movie, you will have to play each movie file individually. Movie files cannot play back consecutively automatically. After the movie playback ends, select the next movie to be played.

- **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 resume movie shooting by pressing the < ● > (Movie start/stop) button. (A new movie file is recorded.)

An increase of the camera's internal temperature may cause movie shooting to stop before the maximum recording time shown in the table above.

5

Image Playback

This chapter explains functions related to viewing photos 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
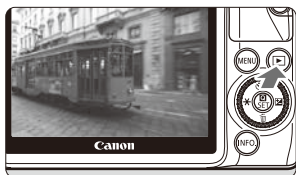
1 Play back the image.
- Press the <▶> button.
- ▶ The last captured image or last image played back will appear.
- When the power is <OFF> and you hold down the <▶> button for 2 seconds or longer, the power will turn <ON> and the playback screen will appear.

2 Select an image.
- When you press the <◄> key, the last image captured will be displayed first. When you press the <►> key, the first image captured will be displayed first.
- Each time you press the <INFO.> button, the information display will change.

No information   With basic information
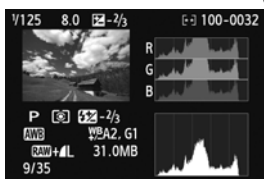
Histograms   Shooting information

3 Exit the image playback.
- Press the <▶> button to exit the image playback and return to the shooting screen.

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ꕝ **Playback with the Touch Screen**

The LCD monitor is a touch-sensitive panel that you can touch with your fingers for playback operations. **Press the <▶> button to play back images.** (The last captured image will appear.)
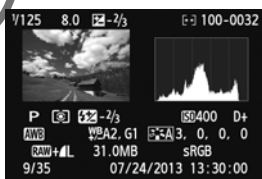If the power is off, you can hold down the <▶> button for 2 sec. or longer to turn on the camera and display the playback screen.

Browse Images
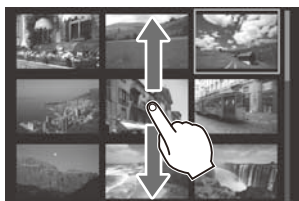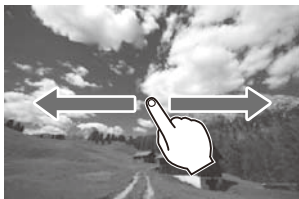
Swipe with one finger.

● In the single-image display, use **one finger** to swipe the image to the left or right to see another image.
Swipe to the left to see the next (newer) image or swipe to the right to see the previous (older) image.

● In the index display (where multiple images are displayed), use **one finger** to scroll up or down the screen to display another screen of index images. Swipe your finger up to see newer images or swipe your finger down to see the older images. When you select an image and tap it, it will be displayed as a single image.

Jump through Images (Jump Display)
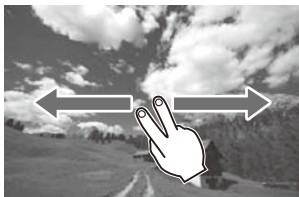
Swipe with two fingers.

When you use **two fingers** to swipe left or right on the screen, you can jump through images with the method set in [**Image jump with** ꗣ] under the [▶**2**] tab.

Reduce Images (Index Display)

Pinch two fingers.

Touch the screen with two fingers spread apart, and pinch your fingers together on the screen.

● Each time you pinch your fingers, the screen changes from a single-image display to an index display of 4 images, 9 images, 36 images, then 100 images.
● In the index display, perforations at the left edge of a thumbnail indicate a movie.
● In the index display, press <SET> to switch to the single-image display. Alternatively, select an image to display an orange frame, then tap the image again to display it as a single image.

Magnify Images

Spread two fingers apart.

Touch the screen with two fingers together, then spread your fingers apart on the screen.

● As you spread your fingers, the image will be magnified.
● The image can be magnified up to approx. 10x.
● You can scroll around the image by dragging your finger.
● To reduce the image, pinch your fingers together on the screen.
● Tapping [↰] on the screen's upper right will return to the single-image display.

📓 Touch screen operations on the camera's LCD monitor are also possible while playing back images on a TV set connected to your camera.

'☐ Playing Movies
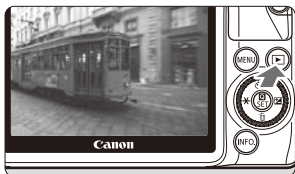
1 **Play back the image.**
- Press the <▶> button to display images.
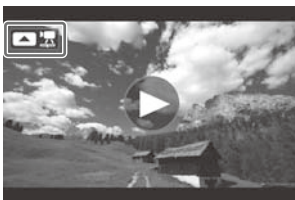
2 **Select a movie.**
- Press the <◀> <▶> keys to select a movie.
- In the single-image display, [☐ 🎞] displayed on the upper left of the screen indicates a movie. If the movie is a video snapshot, [☐ 🎞] will be displayed.
- You can press the <INFO.> button to switch to the shooting information display.
- In the index display, perforations at the left edge of a thumbnail indicate a movie. **As movies cannot be played in the index display, press <SET> to switch to the single-image display.**
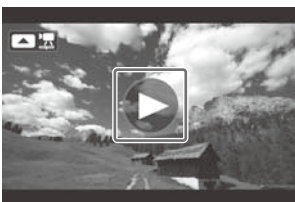
3 **Tap [▶] at the center of the screen.**
- ▶ The movie will start playing.
- To pause the movie while it is playing, tap the screen. The movie playback panel will also appear (p.100).
- During movie playback, you can turn the <◌> dial to adjust the built-in speaker's sound volume.

Speaker

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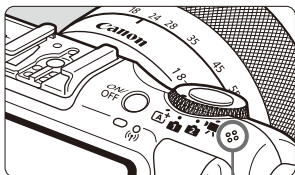
Displaying the Movie Playback Panel
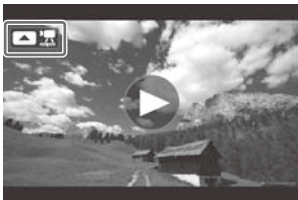
In the single-image display, tap [▲ ⛴].

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

Movie Playback Panel

Operation	Playback Description
▶ **Play**	Press <SET> to toggle between play and stop.
▶ **Slow motion**	Adjust the slow motion speed by pressing the <◀> <▶> keys. The slow motion speed is indicated at the upper right of the screen.
◄◄ **First frame**	Displays the movie's first frame.
◄ǁ **Previous frame**	Each time you press <SET>, the previous frame is displayed. Hold down <SET> to rewind the movie.
ǁ▶ **Next frame**	Each time you press <SET>, the next frame is displayed. Hold down <SET> to fast forward the movie.
▶▶ **Last frame**	Displays the movie's last frame.
✂ **Edit**	Displays the editing screen.
♫ **Background music***	Play back a movie with the selected background music.
▭▬▭	Playback position
mm' ss"	Playback time (minutes:seconds)
⊿ **Volume**	You can adjust the volume of the built-in speaker (p.99) by turning the <◯> dial.
MENU ↰	Returns to the single-image display.

* When background music is set, the movie's sound will not be played.

📖 ● With a fully-charged Battery Pack LP-E12, the continuous playback time at room temperature (23°C/73°F) will be as follows: approx. 2 hr. 20 min.
● If you took a still photo while you shot the movie, the still photo will be displayed for approx. 1 sec. during the movie playback.

6

Software Start Guide / Downloading Images to Your Computer

This chapter explains the following:

- Overview of the software for EOS DIGITAL cameras
- How to download and install the software on your computer
- How to download and view the Software Instruction Manual PDFs
- How to download images from the camera to your computer

Software Start Guide

Software Overview

This section explains an overview of various software applications for EOS DIGITAL cameras. Internet connection is required to download and install the software. Download and installation are not possible in environments with no Internet connection.

EOS Utility

With the camera connected to a computer, EOS Utility enables you to transfer still photos and movies shot with the camera to the computer. You can also use EOS Utility to set various camera settings. Also, you can copy background music tracks, such as EOS Sample Music*, to the card.

* Background music can be used when you play a video snapshot album or slide show on your camera.

Digital Photo Professional

This software is recommended for users who mainly shoot RAW images. You can quickly view, edit, process, and print RAW images. You can also edit JPEG images while retaining the original images.

Picture Style Editor

You can edit Picture Styles and create and save original Picture Style files. This software is aimed at advanced users who are experienced in processing images.

ImageBrowser EX

You can easily view and play back still photos, MOV movies, and video snapshot albums, edit and print JPEG images, etc.

🔔 Note that the software ZoomBrowser EX/ImageBrowser provided with previous cameras does not support still photos and MOV movie files shot with this camera (it is not compatible). Use ImageBrowser EX.

Downloading and Installing the Software

⚠ ● **Do not connect the camera to your computer before you install the software. Otherwise, the software will not be installed properly.**
  ● Even if your computer already has ImageBrowser EX installed, install ImageBrowser EX by following the steps below. It is the latest version with features optimized for your camera. You can also use the auto update feature to add the latest functions.
  ● Even if a previous version of EOS software other than ImageBrowser EX is installed to your computer, install the software by following the steps below. (The newer version will overwrite the previous version.)

1 Download the software.
  ● Connect to the Internet from a computer and access the Canon Web site at the following URL.

  http://www.canon.com/icpd/

  ● Select your country or region of residence and download the software.

  ● Decompress it on the computer.

  For Windows : Click the displayed installer file to start the installer.
  For Macintosh: A dmg file will be created and displayed. Follow the steps below to start the installer.
   (1) Double-click the dmg file.
      ▶ A drive icon and installer file will appear on the desktop. If the installer file does not appear, double-click the drive icon to display it.
   (2) Double-click the installer file.
      ▶ The installer starts.

2 Click [Easy Installation] and follow the on-screen instructions to install.
  ● For Macintosh, click [**Install**].
  ● If the "Microsoft Silverlight" installation prompt is displayed during installation, install "Microsoft Silverlight".

3 Click [Restart] to restart the computer.
  ● When the computer has restarted, the installation is complete.

Downloading and Viewing the Software Instruction Manual PDFs ▬

Internet connection is required to download the Software Instruction Manual PDFs. Download is not possible in environments with no Internet connection.

1 Download the Software Instruction Manual PDFs.

● Connect to the Internet from a computer and access the Canon Web site at the following URL.

http://www.canon.com/icpd/

● Select your country or region of residence and download the Software Instruction Manual PDFs.
● You do not need to download the ImageBrowser EX Instruction Manual PDF (ImageBrowser EX Guide) since it is included in the software.

2 View the Software Instruction Manual PDFs.

● Double-click a downloaded Software Instruction Manual PDF to open it.
● Adobe Reader (most recent version recommended) must be installed on your computer.
● Adobe Reader can be downloaded free from the Internet.

Downloading Images to a Computer

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

Download by Connecting the Camera to the Computer

1 Install the software (p.103)**.**
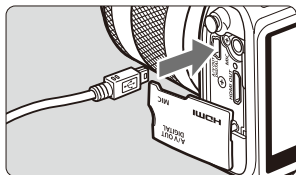
2 Use the provided interface cable to connect the camera to your computer.

- Use the interface cable provided with the camera.
- Connect the cable to the camera's <**DIGITAL**> terminal with the cable plug's <⟨⟩> icon facing the back of the camera.
- Connect the cord's plug to the computer's USB terminal.
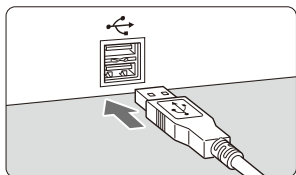
3 Use EOS Utility to download the images/movies.

- For details, refer to the Software Instruction Manual (PDF).

If [**52: Wi-Fi**] is set to [**Enable**], the images cannot be downloaded to a computer. Set it to [**Disable**], then connect the interface cable.

Downloading Images with a Card Reader

If you have a commercially-available card reader, you can use it to download images to your computer.

1 Install the software (p.103)**.**

2 Insert the card into the card reader.
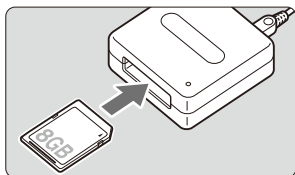
3 Use EOS software to download the images/movies.
▶ **Use Digital Photo Professional.**
▶ **Use ImageBrowser EX.**
● For details, refer to the Software Instruction Manual (PDF).

When downloading images/movies from the camera to your computer, if you do not use EOS software and instead use a card reader, copy the DCIM folder on the card to your computer.

MEMO

MEMO

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"This product is licensed under AT&T patents for the MPEG-4 standard and may be used for encoding MPEG-4 compliant video and/or decoding MPEG-4 compliant video that was encoded only (1) for a personal and non-commercial purpose or (2) by a video provider licensed under the AT&T patents to provide MPEG-4 compliant video. No license is granted or implied for any other use for MPEG-4 standard."
* Notice displayed in English as required.

Safety Warnings

Follow these safeguards and use the equipment properly to prevent injury, death, and material damage.

Preventing Serious Injury or Death

- To prevent fire, excessive heat, chemical leakage, and explosions, follow the safeguards below:
  - Do not use any batteries, power sources, and accessories not specified in this booklet. Do not use any home-made or modified batteries.
  - Do not short-circuit, disassemble, or modify the battery pack or back-up battery. Do not apply heat or apply solder to the battery pack or back-up battery. Do not expose the battery pack or back-up battery to fire or water. And do not subject the battery pack or back-up battery to strong physical shock.
  - Do not install the battery pack or back-up battery in reversed polarity (+ –). Do not mix new and old or different types of batteries.
  - Do not recharge the battery pack outside the allowable ambient temperature range of 0°C - 40°C (32°F - 104°F). Also, do not exceed the recharging time.
  - Do not insert any foreign metallic objects into the electrical contacts of the camera, accessories, connecting cables, etc.
- Keep the back-up battery away from children. If a child swallows the battery, consult a physician immediately. (Battery chemicals may harm the stomach and intestines.)
- When disposing of a battery pack or back-up battery, insulate the electrical contacts with tape to prevent contact with other metallic objects or batteries. This is to prevent fire or an explosion.
- If excessive heat, smoke, or fumes are emitted during battery pack recharging, immediately unplug the battery charger from the power outlet to stop the recharging and prevent a fire.
- If the battery pack or back-up battery leaks, changes color, deforms, or emits smoke or fumes, remove it immediately. Be careful not to get burned in the process.
- 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.
- During the recharging, keep the equipment away from the reach of children. The cord can accidentally choke the child or give an electrical shock.
- 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. The use of 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 someone driving a car. It may cause an accident.
- Do not fire the flash near a person's eyes. It may impair the person's vision. When using flash to photograph an infant, keep at least 1 meter/3.3 feet away.
- Before storing the camera or accessory when not in use, remove the battery pack and disconnect the power plug. This is to prevent electrical shock, heat generation, and fire.
- Do not use the equipment where there is flammable gas. This is to prevent an explosion or fire.

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• If you drop the equipment and the casing breaks open to expose the internal parts, do not touch the internal parts due to the possibility of 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 the camera from the reach of small children. The neck strap can accidentally choke the child.

• Do not store the equipment in dusty or humid places. This is to prevent fire and electrical shock.

• 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 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 insulation has been damaged.

• Occasionally unplug the power plug and use a dry cloth to clean off the dust around the power outlet. If the surrounding is dusty, humid, or oily, the dust on the power outlet may become moist and short-circuit the outlet to cause a fire.

Preventing Injury or Equipment Damage

• Do not leave equipment inside a car under the hot sun or near a heat source. The equipment may become hot and cause skin burns.

• Do not carry the camera around while 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 a lens or lens-attached camera under 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 battery-recharging apparatus with a cloth. Doing so may trap heat within and cause the casing to deform or catch fire.

• If you drop the camera in water or if water or metal fragments enter inside the camera, promptly remove the battery pack and back-up battery. This is to prevent fire and electrical shock.

• Do not use or leave the battery pack or back-up battery in a hot environment. Doing so may cause battery leakage or a shorter battery life. The battery pack or back-up battery can also become hot and cause skin burns.

• Do not use paint thinner, benzene, or other organic solvents to clean the equipment. Doing so may cause fire or a health hazard.

If the product does not work properly or requires repair, contact your dealer or your nearest Canon Service Center.

Digital Camera Model DS126471 Systems

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Note: This equipment has been tested and found to comply with the limits for class B digital devices, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:
— Reorient or relocate the receiving antenna.
— Increase the separation between the equipment and receiver.
— Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
— Consult the dealer or an experienced radio/TV technician for help.

The cable with the ferrite core provided with the digital camera must be used with this equipment in order to comply with Class B limits in Subpart B of Part 15 of the FCC rules.

Do not make any changes or modifications to the equipment unless otherwise specified in the manual. If such changes or modifications should be made, you could be required to stop operation of the equipment.

Canon U.S.A., Inc.
One Canon Park, Melville, NY 11747, U.S.A.
Tel No. 1-800-OK-CANON (1-800-652-2666)

CAN ICES-3 (B) / NMB-3 (B)

⚠ When connecting to and using a household power outlet, use only AC Adapter Kit ACK-E12 (rated input: 100-240 V AC 50/60 Hz, rated output: 7.4 V DC). Using anything else can cause fire, overheating, or electrical shock.

IMPORTANT SAFETY INSTRUCTIONS
1. **SAVE THESE INSTRUCTIONS** — This manual contains important safety and operating instructions for Battery Charger LC-E12 & LC-E12E.
2. Before using the charger, read all instructions and cautionary remarks on (1) the charger, (2) the battery pack, and (3) the product using the battery pack.
3. **CAUTION** — To reduce risk of injury, charge only the Battery Pack LP-E12. Other types of batteries may burst, causing personal injury and other damage.
4. Do not expose the charger to rain or snow.
5. Use of an attachment not recommended or sold by Canon may result in fire, electric shock, or personal injury.
6. To reduce risk of damage to electric plug and cord, pull by plug rather than by cord when disconnecting charger.
7. Make sure cord is located so that it will not be stepped on, tripped over, or otherwise subjected to damage or stress.
8. Do not operate the charger with damaged cord or plug - replace them immediately.
9. Do not operate the charger if it has received a sharp blow, been dropped, or otherwise damaged in any way; take it to a qualified serviceman.
10. Do not disassemble the charger; take it to a qualified serviceman when service or repair is required. Incorrect reassembly may result in a risk of electric shock or fire.
11. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.

MAINTENANCE INSTRUCTION
Unless otherwise stated in this manual, there are no user serviceable parts inside. Refer servicing to qualified serviceman.

USA and Canada only:
The Lithium ion/polymer battery that powers the product is recyclable. Please call 1-800-8-BATTERY for information on how to recycle this battery.

For CA, USA only
Included lithium battery contains Perchlorate Material – special handling may apply.
See www.dtsc.ca.gov/hazardouswaste/perchlorate/ for details.

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

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The lenses and accessories mentioned in this Instruction Manual are current as of October 2013. For information on the camera's compatibility with any lenses and accessories introduced after this date, contact any Canon Service Center.