Canon

HD Camcorder
Quick Guide

LEGRIA
HF G25

PAL

HDMI AVCHD

Important Usage Instructions

COPYRIGHT WARNING:
Unauthorized recording of copyrighted materials may infringe on the rights of copyright owners and be contrary to copyright laws.

CAUTION:
TO REDUCE THE RISK OF ELECTRIC SHOCK AND TO REDUCE ANNOYING INTERFERENCE, USE THE RECOMMENDED ACCESSORIES ONLY.

CAUTION:
DISCONNECT THE MAINS PLUG FROM THE SUPPLY SOCKET WHEN NOT IN USE.

To reduce the risk of electric shock, do not expose this product to dripping or splashing.

The Mains plug is used as the disconnect device. The Mains plug shall remain readily operable to disconnect the plug in case of an accident.

CA-570 identification plate is located on the bottom.

European Union (and EEA) only.

These symbols indicate that this product is not to be disposed of with your household waste, according to the WEEE Directive (2002/96/EC), the Battery Directive (2006/66/EC) and/or your national laws implementing those Directives.

This product should be handed over to a designated collection point, e.g., on an authorized one-for-one basis when you buy a new similar product or to an authorized collection site for recycling waste electrical and electronic equipment (EEE) and batteries and accumulators. Improper handling of this type of waste could have a possible impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. Your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources.

For more information about the recycling of this product, please contact your local city office, waste authority, approved scheme or your household waste disposal service or visit www.canon-europe.com/environment.

(EEA: Norway, Iceland and Liechtenstein)

Important Note About the Memory

• Observe the following precautions while the ACCESS indicator is on or flashing. Failing to do so may result in permanent data loss or damage to the memory.

- Do not open the double memory card slot cover.
- Do not disconnect the power source or turn off the camcorder.
- Do not change the operating mode - do not press the ▩⇆▣ button and do not change the position of the mode switch.

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Package contents

- CA-570 Compact Power Adapter (incl. power cord) [①]
- BP-808 Battery Pack
- WL-D89 Wireless Controller (incl. CR2025 lithium button battery)
- Stylus Pen [②]
- HTC-100/S High Speed HDMI Cable [③]
- STV-250N Stereo Video Cable [④]
- IFC-300PCU/S USB Cable
- Lens hood with lens barrier
- Lens cap
- 2 software CD-ROMs
  - PIXELA's **VideoBrowser** CD-ROM*
    Software for saving, managing, editing and playing back your movies.
    Additionally, using **VideoBrowser** you can transfer to a memory card
    connected to a computer music files that can be used as background
    music during playback.
  - 🖫 **LEGRIA** CD-ROM
    Contains the full-version Instruction Manual of the camcorder (PDF file).
    See the explanation on next page.

* The CD-ROM includes the instruction manual of the software (PDF file). A
  printed Startup Guide for PIXELA's software is also supplied. Refer to this
  Startup Guide for details about the supplied software.
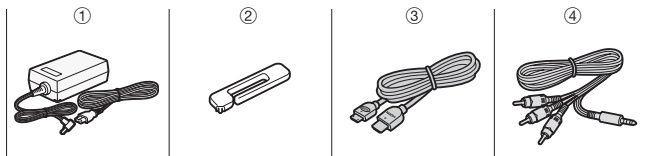
①	②	③	④

Table of Contents

About the Camcorder's PDF Instruction Manual
This guide will get you started and show you how to use the most basic functions of your camcorder to shoot video, take photos and play back your recordings (using the camcorder or connecting it to your TV). To learn more about the more advanced functions of your camcorder, to read important handling precautions and to consult the troubleshooting section if an error message is displayed, be sure to read the full-version Instruction Manual (PDF file*). In this Quick Guide, the 📖**PDF**❯ mark indicates reference page numbers in the PDF file.
* **Adobe® Reader®** 6 or later is required to view the PDF Instruction Manual.

Installing the camcorder's Instruction Manual (PDF file)

1 Turn on the computer.

2 Insert the LEGRIA CD-ROM into the computer's disc drive.

3 **Windows:** Open the drive into which you inserted the CD-ROM using Windows Explorer.
   Mac OS: Use Finder and click the CD-ROM icon.

4 Click/Double-click the **Disc_Setup** icon ⊚.

5 In the installer panel, click [Instruction Manual of the Camcorder] and select your language.

6 When the installation is complete, click [OK], then [Exit].
   The installer will save the camcorder's Instruction Manual (PDF file) on the computer and will create a shortcut icon on the desktop for easy access.

AUTO **Recording movies (using Story Creator)**
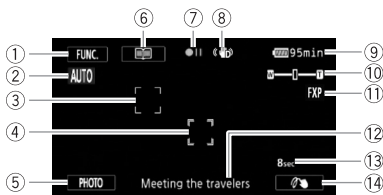
① Control button [FUNC.] - Open the FUNC. panel (❒PDF▶ 28)
② Smart AUTO (❒ 24)
③ Face detection frame (❒PDF▶ 49)
④ **Touch & Track frame:** Touch a moving subject on the screen to keep it clearly in focus at all times. (❒PDF▶ 51)
⑤ Control button [PHOTO] - Take a photo (❒ 22)
⑥ Control button [▦] - Return to the list of story scenes (❒PDF▶ 99)
⑦ Memory operation (❒PDF▶ 153)
⑧ Intelligent IS (❒ 24)
⑨ **Remaining battery time**
  - If the icon appears in yellow or red, the battery pack is almost empty. Replace with a fully charged battery pack.

  - When the camcorder is off, press [BATT.INFO] to display the charge status of a battery pack. The Intelligent System will display the charge status (as a percentage) and the remaining recording time (in minutes) for 5 seconds. If the battery pack is exhausted, the battery information may not be displayed.
⑩ Zoom (❒ 23)
⑪ Recording mode (❒ 27)
⑫ Current story scene (❒PDF▶ 99)
⑬ Recommended scene length (❒PDF▶ 99)

7
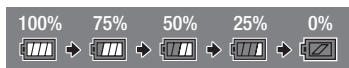
⑭ Control button: Last FUNC. panel function used ([🖉 Decoration] in this case)

Decoration: Add a fun personal touch using stamps, drawings, image mix and more. (📖PDF▸ 103)

M , CINEMA Recording movies

M Manual mode
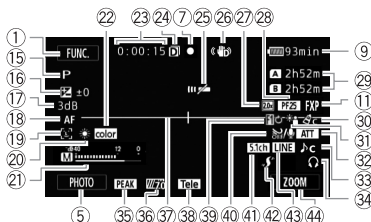
CINEMA mode
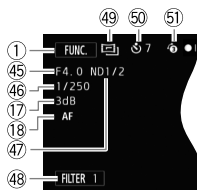
⑮ **Recording program:** Recording programs allow you to change various picture-related settings to your preference, or to use a special scene recording program to apply the camcorder settings most appropriate for a variety of situations. (📖PDF▸ 57, 64)

⑯ **Exposure compensation:** Correct the exposure manually for a picture darker/brighter than the one obtained using the automatic exposure set by the camcorder. (📖PDF▸ 60)

⑰ Gain (during the [**M** Manual Exposure] recording program) (📖PDF▸ 59); AGC (automatic gain control) limit (📖PDF▸ 56)

⑱ [**I.AF**] Instant AF/[**M.AF**] Medium AF/[**AF**] Normal AF (📖PDF▸ 48); MF Manual focus (📖PDF▸ 47)

⑲ **Face detection:** You can have the camcorder automatically detect people's faces and use this information to adjust the focus and set the best exposure and color control settings for beautiful videos and photos. (📖PDF▸ 49); 🔲 Autofocus only for faces (📖PDF▸ 50)

⑳ **White balance:** Change the setting so different lighting conditions do not affect the colors in your recordings and white objects look truly white. (📖PDF▸ 62)

㉑ **Audio level indicator:** Manually adjust the audio recording level. (PDF 69)

㉒ **x.v.Color:** The camcorder uses a color space with an extended gamut to achieve deeper colors, closer to real life. (PDF 145)

㉓ While recording/during playback: Scene counter (hours : minutes : seconds)

㉔ Double slot recording (PDF 35)

㉕ Remote sensor off (PDF 148)

㉖ **Image stabilizer:** The stabilizer will compensate for varying degrees of camcorder shake so you can get beautiful, steady recordings. (PDF 55)

㉗ Digital tele-converter (PDF 54)

㉘ Frame rate (PDF 46)

㉙ Remaining recording time

  A / B On the memory card; 🔟 In the built-in memory

  🔟▸/ A ▸ Relay recording (PDF 34)

  - When there is no more free space on the memory, [🔟 End] (built-in memory) or [A End] (memory card A) or [B End] (memory card B) will be displayed in red and recording will stop.

㉚ **Image effects:** Fine-tune the brightness, sharpness, color and contrast of your recordings. (PDF 66)

㉛ Backlight correction (PDF 61)

㉜ **Microphone attenuator:** Use the attenuator to avoid audio distortions when the sound is too loud. (PDF 142)

㉝ Audio scene select (PDF 68)

㉞ Headphone output (PDF 73)

㉟ Peaking (PDF 48)

㊱ Zebra pattern (PDF 59)

㊲ **Level marker:** Display onscreen markers to check your composition and make sure horizontal or vertical lines do not appear crooked in your recordings. (PDF 142)

㊳ Conversion lens (Tele-converter shown) (PDF 142)

㊴ Fader (PDF 83)

㊵ **Auto wind screen:** Wind screen automatically removes the background sound of wind when recording outdoors. You may want to turn it off when recording indoors in very quiet surroundings. (PDF 71)

㊶ Built-in microphone directionality (ⓟPDF⟩ 70); Directionality of the optional SM-V1 Surround Microphone (ⓟPDF⟩ 75)

㊷ Mini advanced shoe (ⓟPDF⟩ 74)

㊸ External audio input (ⓟPDF⟩ 72)

㊹ Control button - Last FUNC. panel function used ([ZOOM] in this case)

㊺ Aperture value (ⓟPDF⟩ 57, 59)

㊻ Shutter speed (ⓟPDF⟩ 57, 59)

㊼ ND filter (ⓟPDF⟩ 142)

㊽ Control button [FILTER 1] - **Cinema-look filters:** Use cinema-look filters to create unique movies with distinctive looks. (ⓟPDF⟩ 101)

㊾ CINEMA mode (ⓟPDF⟩ 101)

㊿ Self timer (ⓟPDF⟩ 67)

�51 **Pre-recording:** The camcorder will start recording video 3 seconds before you press [START/STOP], so you do not miss important shooting opportunities. (ⓟPDF⟩ 81)

Playing movies (during playback)
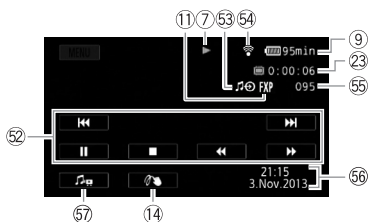
�52 Playback control buttons (▯ 29)

�53 **External audio input:** Connect your portable audio player to use your favorite music as background music during playback. (ⓟPDF⟩ 111)

�54 **Eye-Fi Wireless Communication:** Using an Eye-Fi card you can upload you recordings wirelessly. Important restrictions apply so be sure to refer to *Using an Eye-Fi card* (ⓟPDF⟩ 136).

�55 Scene number

56 **Data code:** In addition to the date and time of recording, you can choose to display information related to the camcorder settings like the shutter speed or aperture value used. (PDF 82, 143)

57 Volume and background music balance controls (PDF 88, 111)

Viewing photos
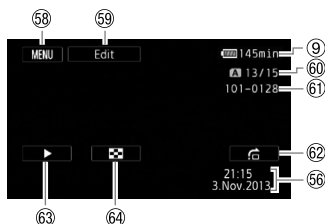
58 Control button [MENU] - Open the setup menus (PDF 29, 141)
59 Control button [Edit] - Open the Edit panel (PDF 140)
60 Current photo / Total number of photos
61 File number (PDF 145)
62 Control button [⌂] - Photo jump (PDF 121)
63 Control button [▶] - **Slideshow:** Play back a slideshow of your photos and use your favorite background music. (PDF 122)
64 Control button [▣] - Return to the [Photos] index screen (PDF 120)

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Charging the Battery Pack

The camcorder can be powered with a battery pack or directly using the compact power adapter. When you use the compact power adapter, the power of the battery pack will not be consumed. Charge the battery pack before use.
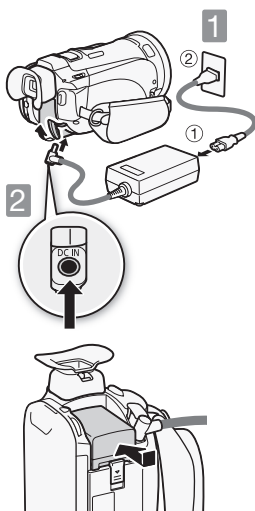
1 Connect the compact power adapter.

① Connect to the adapter.
② Plug into a power outlet.

2 Connect the camcorder.
Plug into the DC IN terminal.

3 Insert the battery pack.

① Press softly into the battery attachment unit.
② Slide forward until it clicks in place.

Charging will start when the camcorder is turned off.

POWER   ON/OFF ⏻
              (CHG)

Indicator off
(camcorder turned off)
↓
Red indicator on
(charging)
↓
Indicator off
(battery pack fully charged)
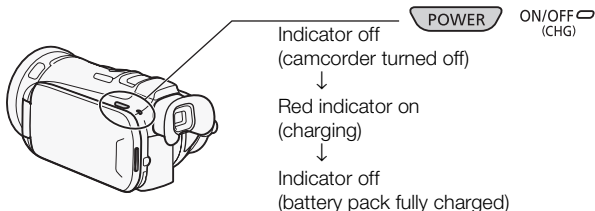
Charging times

Charging the supplied BP-808 Battery Pack will take approximately 2 hours 30 minutes. A fully charged battery pack will allow for the following operations (movies in FXP mode).

	Typical recording	Playback
Memory card	1 hr. 5 min.	2 hr. 30 min.
Built-in memory	1 hr. 5 min.	2 hr. 35 min.

All given times are approximate and vary according to recording mode and charging, recording or playback conditions.

See *Charging*, *Recording and Playback Times* (🖵PDF ▶ 171) for details.

🛈 IMPORTANT

- Do not connect to the camcorder's DC IN terminal or to the compact power adapter any electrical equipment that is not expressly recommended for use with this camcorder.
- Do not connect the supplied compact power adapter to voltage converters or special power sources such as those on aircraft, DC-AC inverters, etc.

ⓘ NOTES

- We recommend charging the battery pack in temperatures between 10 °C and 30 °C. If either the ambient temperature or the battery pack's temperature is outside the range of approx. 0 °C to 40 °C, charging will not start.
- The battery pack will be charged only when the camcorder is off.
- If remaining battery time is an issue, you can power the camcorder using the compact power adapter so the battery pack will not be consumed.
- Charged battery packs continue to discharge naturally. Therefore, charge them on the day of use, or the day before, to ensure a full charge.
- We recommend that you prepare battery packs to last 2 to 3 times longer than you think you might need.
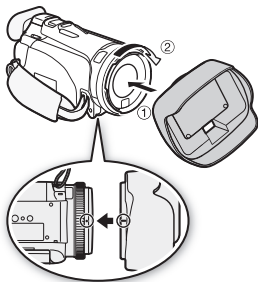
step 2
Basic Preparations

Before you begin, make basic adjustments and learn about a few of the frequently-used parts.

See *Grip Belt and Straps* (📖PDF 23), *Adjusting the Position and Brightness of the LCD screen* (📖PDF 22) for details.

Attaching the lens hood

Place the lens hood on the front of the lens so that the groove on the lens hood is aligned with the bottom of the lens (①), and then turn the lens hood clockwise until it stops with a click (②).

• Be careful not to deform the lens hood.
• Make sure that the lens hood is aligned with the thread.

Attaching the grip belt
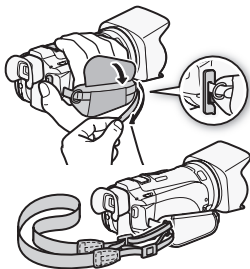
Fasten the grip belt.

Adjust it so you can reach the zoom lever with your index finger, and the [START/STOP] button with your thumb. You can use the grip belt together with an optional shoulder strap.

Rotating the LCD panel

Open the LCD panel and adjust the angle.
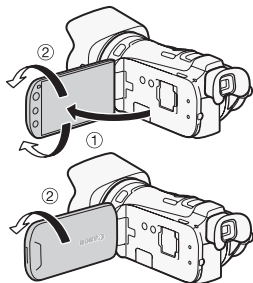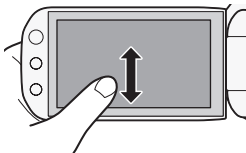
① Rotate it up to 90 degrees down (for example, to record with your hand extended above a crowd).

② Rotate it up to 180 degrees toward the lens (for example, to record video of yourself).

③ Pull out the viewfinder to use it.

See *Using the Viewfinder* (𝔻 PDF ❭ 21) for details.

Using the touch screen

In addition to touching buttons to select items, you can also drag your finger across the screen for operations such as scrolling menus. While applying pressure, swipe your finger across the screen.

You can also use the supplied stylus pen for more precise operations.

See *Handling Precautions* (𝔻 PDF ❭ 165), *Cleaning* (𝔻 PDF ❭ 168) for important information about how to take care of the touch screen.

ⓘ IMPORTANT

• The camcorder uses a pressure-sensitive touch screen. Press firmly when using touch operations.
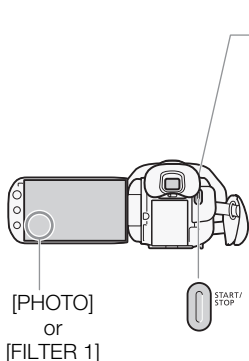
Mode switch

Select the camcorder's operating mode for recording movies and photos.

[PHOTO]
or
[FILTER 1]

START/
STOP

AUTO mode

Take it easy and leave all the settings to the camcorder. Press [START/STOP] to shoot movies or touch [PHOTO] on the screen to take photos.

M (Manual) mode

You can use a wide array of advanced functions for recording movies and photos and access all the menus to change various settings to your preference.
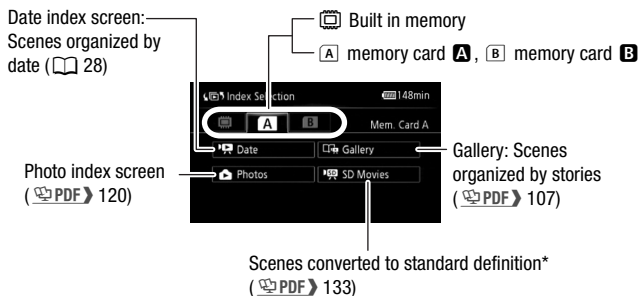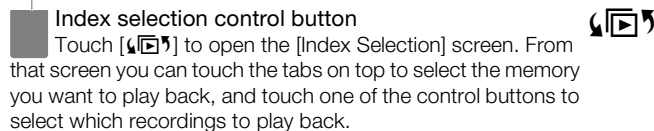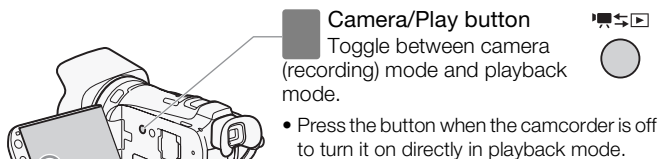
CINEMA CINEMA mode

Give your recordings a cinematic look: Touch [FILTER 1] on the screen to use unique cinema-look filters. In this mode you cannot record photos.

See *Recording* (PDF) 37) for details.

Camera/Play button '🎥⇆▶
Toggle between camera
(recording) mode and playback
mode.

* Press the button when the camcorder is off
to turn it on directly in playback mode.

Index selection control button ᶜ▣ᵓ
Touch [ᶜ▣ᵓ] to open the [Index Selection] screen. From
that screen you can touch the tabs on top to select the memory
you want to play back, and touch one of the control buttons to
select which recordings to play back.

Date index screen:
Scenes organized by
date (🔲 28)

🗔 Built in memory
Ⓐ memory card Ⓐ, Ⓑ memory card Ⓑ

Photo index screen
(🕮 PDF) 120)

Gallery: Scenes
organized by stories
(🕮 PDF) 107)

Scenes converted to standard definition*
(🕮 PDF) 133)

ᶜ▣ᵓ Index Selection   🖃148min
🗔 Ⓐ Ⓑ   Mem. Card A
'🎥 Date   ▯▯ Gallery
📷 Photos   ▯▯ SD Movies

* Available only when a memory card is selected.

Setting the Date/Time and Language

When you turn on the camcorder for the first time, you will need to set the date and time before using the camcorder. You can also change the date format and time zone. (For your convenience, you can do so after changing the language to your preference.)

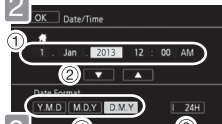See *Changing the Time Zone* (PDF) 31) for details.

1
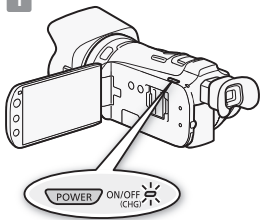
1 Press POWER.

▼

When the internal clock is not set, the [Date/Time] screen will appear.

2 Change the date/time.

① Touch a field you want to change.
② Touch [▼] or [▲] to change the field.

2

3 Select your preferred date/time format.

① Touch one of the control buttons.
② Touch to use 24-hour clock.

4 Touch [OK].

4

5 Select the language used for menus and onscreen displays.
You can select one of 27 languages to display the camcorder's menus and onscreen displays. Select the language of your preference using the menu.

See *Using the Menus* (🖳PDF ▸ 28) for details.

[FUNC.]* ❯ [MENU] ❯ 🗔 ❯ [Language 🗨] ❯
Desired language ❯ [✖]

* Only when performing the procedure in a recording mode.
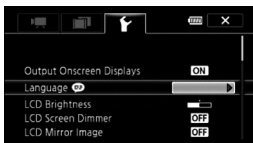

English is the default language

(i) NOTES

• If you changed the language by mistake, look for the menu option with the 🗨 mark.

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Using a Memory Card

Use commercially available ⬚ SD, ⬚ SDHC (SD High Capacity) or ⬚ SDXC (SD eXtended Capacity) memory cards. Make sure you use a compatible memory card. See *Memory Cards Compatible for Use with the Camcorder* (📖PDF) 32) for memory cards that can be used. Before using an Eye-Fi card be sure to refer to *Using an Eye-Fi card* (📖PDF) 136).
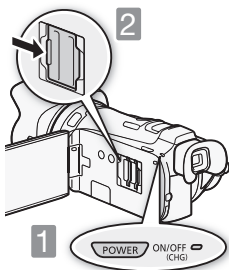
1. Turn off the camcorder.
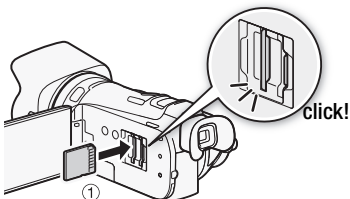Make sure the indicator is off.

2. Open the double memory card slot cover.

3. Insert the memory card into one of the memory card slots and close the double memory card slot cover.

① Push the memory card into the memory card slot.
② Securely close the cover. Do not force it closed if the memory card is not correctly inserted.

click!

① The label of the memory card facing toward the lens
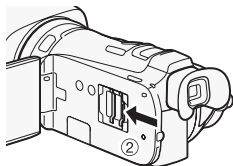
Selecting the memory to use for recording

You can select to record your movies and photos in the built-in memory or on one of the memory cards. The default memory for recording both movies and photos is the built-in memory but you can select the recording memory independently for movies and for photos.

See *Selecting the Memory for the Recordings* (🖳 PDF) 33) for details.

⚠ IMPORTANT

• Memory cards have front and back sides that are not interchangeable. Inserting a memory card facing the wrong direction can cause a malfunction of the camcorder.
• For important information regarding the use of SDXC memory cards be sure to refer to *SDXC Memory Cards* (🖳 PDF) 32).
• Initialize memory cards when you use them with this camcorder for the first time.
  See *Initializing the Memory* (🖳 PDF) 35) for details.

ⓘ NOTES

• You can use two memory cards, one in each slot, to enjoy the advantages of continuous relay recording or simultaneous double slot recording.
  See *Relay Recording* (🖳 PDF) 34) and *Double Slot Recording* (🖳 PDF) 35) for details.
• To use the wireless communication features of an Eye-Fi card, insert it into memory card slot **B**.
• **To remove the memory card:** Push the memory card once to release it. When the memory card springs out, pull it all the way out.

Shooting Video and Taking Photos

In AUTO mode you can easily record movies and photos. You do not need to worry about any settings or menu options - the camcorder will select the most appropriate settings automatically.

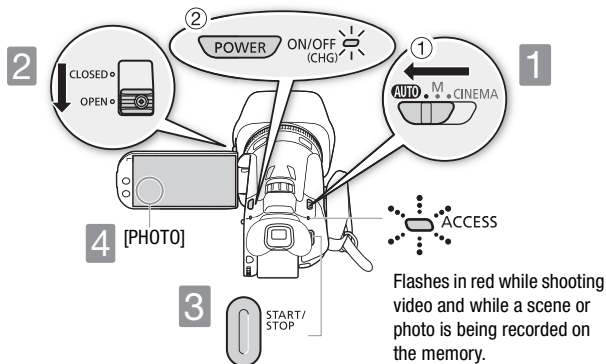Before using an Eye-Fi card be sure to refer to *Using an Eye-Fi card* (PDF> 136).

1 Set the camcorder to AUTO mode.

① Set to AUTO. ② Press POWER.

2 Open the lens barrier.
Set to OPEN.

3 Start recording movies.
Press to start recording. Press again to pause the recording and record the video on the memory as one scene.

4 Take a photo.
Touch [PHOTO] on the screen.

2 CLOSED / OPEN

② POWER ON/OFF (CHG)

① AUTO · M · CINEMA

1

4 [PHOTO]

ACCESS

3 START/STOP

Flashes in red while shooting video and while a scene or photo is being recorded on the memory.

Use the zoom to frame the subject

Use the zoom lever, the onscreen zoom controls or the zoom buttons on the wireless controller. To zoom out, zoom toward the **W** (wide angle) end. To zoom in, zoom toward the **T** (telephoto) end.

ZOOM
T
W
Canon

W ─ T

Touch [FUNC.] ▶ [ZOOM] to display the onscreen zoom controls

23
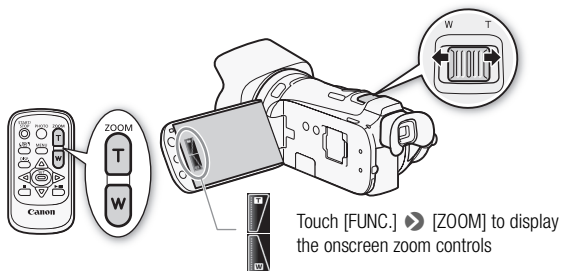
(i) NOTES

• **Smart AUTO mode:** In AUTO mode the camcorder will automatically use the Smart AUTO function so you can get perfect recordings every time. Just point the camcorder and Smart AUTO will automatically select the best settings for your subject and the scene you want to use. One of 38 icons will appear depending on the characteristics of the subject, background, lighting conditions, etc.

   See *Smart AUTO* (PDF 39) for details.

• **Intelligent IS:** In AUTO mode, the camcorder will automatically select the best image stabilization setting for the situation.

   See *Intelligent IS* (PDF 39) for details.

• Use M or CINEMA mode to access the menus and advanced functions and to change various settings up to your preferences.

   See *Recording in M (Manual) Mode* (PDF 42), *CINEMA Mode and Cinema-Look Filters* (PDF 101) and all through *Recording* (PDF 37) for details.

• Follow the suggestions of the Story Creator to transform casual and random videos to interesting video stories. Story Creator offers easy-to-follow scripts optimized for various scenarios.

   See *Using Story Creator to Create Video Stories* (PDF 99) for details.

• **About the zoom:** The camcorder features 10x optical zoom. When recording in M mode, you can also use the 200x digital zoom.

   See *[Digital Zoom]* (PDF 142) for details.

• **About the zoom speed:**
   - Zoom buttons on the wireless controller: one of three constant speeds.
   - Onscreen zoom controls: depends on where you touch within the zoom control.
   - Zoom lever: variable speed. That is, the zoom speed depends on how you press the lever: press gently for slower zooms; press harder for faster zooms. You can also change the zoom speed to one of three constant speeds.

   See *Zooming* (PDF 52) for details.

• In most situations, keep at least 60 cm away from the subject. The minimum focusing distance at full wide angle is 2 cm.

Quick Start

In a recording mode, you can simply close the LCD panel to set the camcorder in standby mode, which consumes less power and allows the camcorder to use the battery pack longer. During standby mode, the ON/OFF (CHG) indicator will change from green to orange. Open the LCD panel to return the camcorder to record pause mode.
When recording using only the viewfinder, return the viewfinder to its retracted position to set the camcorder in standby mode and pull out the viewfinder when you are ready to resume recording.
See Quick Start (📖 PDF) 44) for details.

❶ IMPORTANT

• Do not disconnect the power source during standby mode (while the ON/OFF (CHG) indicator is lit in orange).

When you have finished recording

ON/OFF (CHG)
ACCESS
Confirm that the indicator goes out

Make sure the camcorder has finished writing the scenes or photos on the memory before turning it off.

① Close the lens barrier.
② Check that the indicator is off.
③ Press [POWER].
④ Close the LCD panel.

Selecting the Quality of Video

The camcorder offers 5 recording modes (or levels of video quality). Changing the recording mode will change the recording time available on the memory. Select MXP or FXP mode for better movie quality or LP mode for longer recording times.

See *Selecting the Video Quality (Recording Mode)* ($\mathbb{Q}$**PDF** 45) for approximate recording times.

You need to access the menu to select the recording mode, but the recording mode selected will apply also when the camcorder is set to AUTO mode.

See *Using the Menus* ($\mathbb{Q}$**PDF** 28) for details.
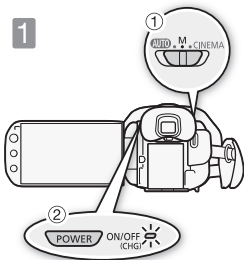
1. Set the camcorder to ▣M▢ mode.

① Set to **M**. ② Press POWER.

Default recording mode

2. Select the recording mode.

[FUNC.] ❯ [MENU] ❯ ▁▛▔ ❯ [Recording Mode] ❯ Desired recording mode ❯ [✕]

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Playing Back Movies and Viewing Photos

The basic playback screen is the date index screen. You can change the index screen displayed from the [Index Selection] screen. You can also play back complete stories from the gallery.

See *Playing Back Video* (PDF 87), *Playing Back Stories from the Gallery* (PDF 107), *Viewing Photos* (PDF 120) for details.
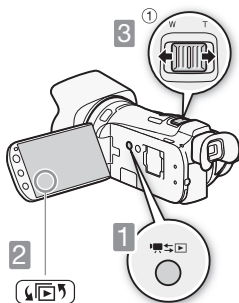
1 Press to set the camcorder to playback mode.

2 Change the index screen, if necessary (17).
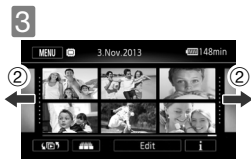
3 Look for the scene or photo you want to play back.

① Move toward **W** to show 15 scenes/photos; move toward **T** to show 6 scenes/photos.
② Drag your finger left or right for the next/previous index page.

MENU 3.Nov.2013 148min

Edit

4 Touch the desired scene or photo to play back.

Movies: The selected scene is played back. Playback continues until the end of the last scene in the index screen. Touch the screen during playback to display the playback controls.

Touch anywhere else to hide the playback controls.

Beginning of the scene (double-tap to jump to the previous scene)

Pause (touch again to resume playback)

Volume and background music controls
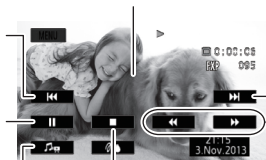
Next scene

Fast playback* (touch again to increase the playback speed)

Stop (return to the index screen)

* In playback pause, these controls are replaced by the slow playback controls.

Photos: The selected photo is displayed in single photo view. Drag your finger left/right to browse through the photos one by one. Touch the screen to display the playback controls.

IMPORTANT

- You may not be able to play back with another device the movies you recorded on the memory card with this camcorder. In such case, play back the movies on the memory card using this camcorder.
- You may not be able to play back with this camcorder movies recorded on a memory card using another device.
- When viewing photos, the following images may not be displayed correctly.
  - Images that were not recorded with this camcorder.
  - Images edited on a computer.
  - Images whose file names have been changed.

NOTES

- When playing back movies, depending on the recording conditions, you may notice brief stops in video or sound playback between scenes.

Playback on a TV Screen

Connect your camcorder to a TV to enjoy your recordings with family and friends.

1 Turn off the camcorder and the TV.

2 Connect the camcorder to the TV.
Select the most appropriate connection according to the input terminals on your TV. In decreasing order of picture quality, the connections are: ① HDMI, ② Component video, ③ Composite video.
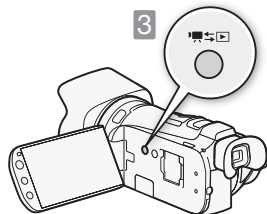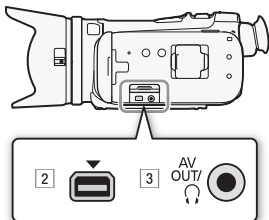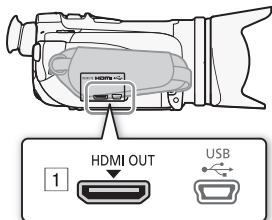
3 Turn on the camcorder.
Press to turn on the camcorder directly in playback mode.

4 Play back your movies or photos as described in the previous pages.

1 HDMI connection: All digital, high-definition connection.

See *Connection Diagrams - Connection* 1 (🖥PDF ⟩ 117) for details about additional settings.

HDMI OUT

HDMI mini connector

HTC-100/S High Speed HDMI Cable (supplied)

HDMI IN

HDMI connector (standard)

2 Component video connection: Analog, high-definition connection.

See *Connection Diagrams - Connection* 2 (🖥PDF ⟩ 117) for details about additional settings.

CTC-100 Component Cable (optional)

Red — Pr/Cr
Blue — Pb/Cb
Green — Y

AV OUT/ 🎧

STV-250N Stereo Video Cable (supplied)

White
Red
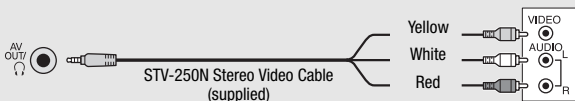
AUDIO
L
R
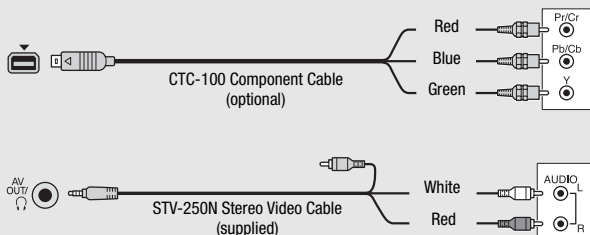
3 Composite video connection: Analog, standard-definition connection.

See *Connection Diagrams - Connection* 3 (🖥PDF ⟩ 118) for details about additional settings.

AV OUT/ 🎧

STV-250N Stereo Video Cable (supplied)

Yellow — VIDEO
White — AUDIO L
Red — R

(i) NOTES

• The illustrations are for reference only. The layout of terminals on your TV may be different.

• We recommend powering the camcorder using the compact power adapter.

• Sound from the built-in speaker will be muted while the STV-250N Stereo Cable is connected to the camcorder.

• Adjust the volume using the TV.

• When you play back 16:9 movies on standard TV sets with a 4:3 aspect ratio, the TV set will switch automatically to widescreen mode if it is compatible with the WSS system. Otherwise, change the aspect ratio of the TV manually.

See *[TV Type]* (PDF ⟩ 143) for details.

• Using a SCART adapter, you can connect the camcorder also to the SCART terminal on the TV.

See *Connection Diagrams - Connection* **3** (PDF ⟩ 118) for details.

Saving and Sharing Your Recordings

It is recommended that you periodically save your recordings on a computer.

Video-related software: VideoBrowser (Windows only)

- Refer to the Startup Guide (supplied leaflet) and Software Guide (PDF file) of the supplied PIXELA's software for details about installing and using the software.
- Using the camcorder, you can convert your scenes into standard definition. You can then easily upload these SD movies to your favorite video sharing Web site.

  See *Saving Movies (Windows only)* (PDF 127) and *Uploading Recordings to the Web* (PDF 133) for details.

Photo-related software: ImageBrowser EX (Windows/Mac OS)

- Software for saving, managing and editing your photos.
  See *Saving Photos (Windows/Mac OS)* (PDF 128) for details.

Abridged Specifications

The specifications given here are **an abridged version** of the full specifications of the camcorder. Be sure to read the full version of the instruction manual for the complete information.

See *Specifications* (📖PDF 175) for details.

Recording media
- Built-in memory: 32 GB
- SD, SDHC (SD High Capacity) or SDXC (SD eXtended Capacity) memory card (not included)

Maximum recording time (approximate figures)
- 32 GB built-in memory:
  MXP mode: 2 hr. 55 min. **FXP** mode: 4 hr. 10 min. **XP+** mode: 5 hr. 45 min.
  SP mode: 9 hr. 35 min. **LP** mode: 12 hr. 15 min.
- Commercially available 8 GB memory card:
  MXP mode: 40 min. **FXP** mode: 1 hr. **XP+** mode: 1 hr. 25 min.
  SP mode: 2 hr. 20 min. **LP** mode: 3 hr.

Power supply (rated)
7.4 V DC (battery pack), 8.4 V DC (compact power adapter)

Power consumption
3.1 W (FXP mode, AF on, LCD normal brightness)
2.9 W (FXP mode, AF on, viewfinder)

Operating temperature (approximate)
0 - 40 °C

Dimensions (W x H x D, approximate, excluding the grip belt)
Camcorder only: 77 x 78 x 161 mm
Camcorder with the lens hood attached: 95 x 82 x 210 mm

Weight (approximate, camcorder with grip belt and lens hood attached)
575 g

Battery Pack

DANGER!
Treat the battery pack with care.
- Keep it away from fire (or it might explode).
- Do not expose the battery pack to temperature higher than 60 °C. Do not leave it near a heater or inside a car in hot weather.
- Do not try to disassemble or modify it.
- Do not drop it or subject it to shocks.
- Do not get it wet.

Lithium Button Battery

WARNING!
- The battery used in this device may present a fire or chemical burn hazard if mishandled.
- Do not disassemble, modify, immerse in water, heat above 100 °C or incinerate the battery.
- Replace with a CR2025 battery made by Panasonic, Hitachi Maxell, Sony, FDK, or with Duracell2025. Use of other batteries may present a risk of fire or explosion.
- Do not insert the battery into the mouth. If swallowed, seek medical assistance immediately. The battery case may break and the battery fluids may cause internal damage.
- Keep the battery out of the reach of children.
- Do not recharge, short-circuit or insert the battery in the wrong direction.
- The used battery should be returned to the supplier for safe disposal.
- Do not pick up the battery using tweezers or other metal tools, as this will cause a short circuit.
- Wipe the battery with a clean dry cloth to ensure proper contact.

Optional Accessories

Canon offers a wide range of optional accessories for your camcorder.

See *Optional Accessories* (🖳PDF) 170) for details.

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.

This mark identifies genuine Canon video accessories. When you use Canon video equipment, we recommend Canon-brand accessories or products bearing the same mark.

Canon

For support concerning the supplied PIXELA's software, please call
PIXELA customer support (see the back cover of the Startup Guide
for PIXELA's software).

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