

The Samsung logo is located in the top left corner of the cover. It consists of the word "SAMSUNG" in a bold, sans-serif font, enclosed within a dark, horizontally-oriented oval shape. The background of the entire cover is a grid of squares in various shades of gray, creating a subtle gradient effect from top-left to bottom-right.

SAMSUNG

User Manual

High Definition Digital Camcorder
www.samsung.com/register

HMX-S15BN/HMX-S16BN

key features of your full HD camcorder



3.5" Wide Touch Screen

This camcorder adopts 3.5" wide touch LCD supporting 1.15 million pixels which enables you to record videos and photos in sharp color and image. And it also provides an enhanced LCD correction that enables you to make recordings while monitoring the image clearly in a bright sunlight.

Equipped with SSD (Solid State Drive) internal memory (HMX-S15/S16 only)



This camcorder is equipped with an internal SSD flash memory. The SSD memory features a quick booting and response speed which is favorable to instant imaging. Unlike a shaky or sensitive HDD (Hard Disk Drive) camcorder, it is very stable for most of the cases. The SSD memory causes extremely low noise with a high endurance, and its low power consumption helps you manage the battery more efficiently.

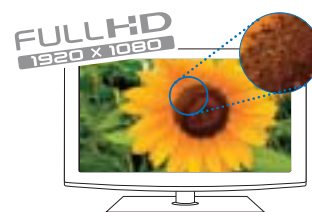
Simple With Fingertips! User-Friendly Touch Screen



If you want to focus on a certain point while recording, simply tap a desired point. Optimized to the tapped point, it enables you to make recording in a professional level with simple operations. With the enhanced touch screen-based interface, you can make recording in simple operations without knowing the complex menu structure.

Sharp & Vivid 1920 x 1080 Full HD!

It can reproduce the best-ever quality comparing the capacity using the latest H.264 codec. You can make recording of vivid images in the Full HD quality, and enjoy full HD videos (with no loss of quality) via the mini HDMI connection.



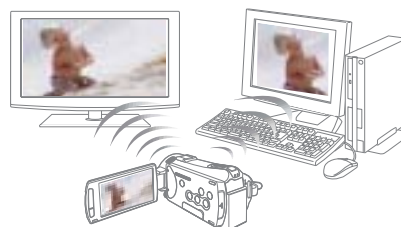
Photos in 10 million pixels

Featured by Samsung's pixel rising technology, it reproduces a high definition still image in great color reproduction. You can enjoy a high definition video of 10 million pixels without using a separate digital camera.



WiFi instant sharing wherever you are (HMX-S15/S16 only)

The WiFi wireless communication technology enables you to share videos and photos on the spot wherever taken. With DLNA, you can transfer and play videos and photos in wireless connection with a home networking device such as TV or PC.



Self-Decision on Situation! Smart Auto

This camcorder automatically recognizes a recording condition and optimizes itself to the scene, which enables a novice to make a quick recording.



Catch the sound! Internal Zooming Microphone

Equipped with the internal zooming microphone, it can capture the sound from the scene clearly. Adjusting the video zooming focus to a nearby or distant scene, you will not miss any source of sound wherever it occurs.



Capture the time! Time Lapse Recording

You can reconfigure otherwise a long time of video to a shortened one using the time lapse recording at a specific time interval. Time lapse recording enables you to capture the passage of clouds, blooming of flowers, natural growing progress of buds, progress of painting, and other documentary videos of personal memory. Use this function to make UGC (User-Generated Content) videos, artistic recordings and educational programs.

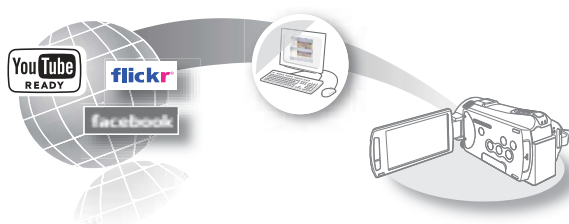


Video at a Glance! iVIEW, Storyboard Printing

You get a quick overview of your video and save it in a single piece of picture. You can take a glance at the video without playing the whole length, which is especially useful if you want to edit the video in a short time.

Direct Upload of Your Videos and Photos to the Web!





The built-in editing Intelli-studio software installs directly from this camcorder to your PC, enabling convenient connection only with a USB cable. Intelli-studio also allows direct uploading of your contents to YouTube, Flickr, or Facebook. Sharing the contents with your friends is simpler than ever before.



before reading this user manual

SAFETY WARNINGS

What the icons and signs in this user manual mean;

 WARNING	Means that there is a potential risk of death or serious injury.
 CAUTION	Means that there is a potential risk of personal injury or damage to the product.
 CAUTION	To reduce the risk of fire, explosion, electric shock, or personal injury when using your camcorder, follow these basic safety precautions.
	Means hints or referential pages that may be helpful when operating the camcorder.
PRECHECK	Settings required before using a function.

These warning signs are here to prevent injury to you and others. Please follow them explicitly. After reading this section, keep it in a safe place for future reference.

PRECAUTIONS

Warning!

- When using the AC power adapter with your camcorder, connect the adapter to an outlet with protective grounding.
- Do not expose the camcorder battery to direct sunlight, heaters, radiators, fire, or any other source of excessive heat.

Caution

If you replace the battery with the wrong battery, you can cause an explosion. Replace only with the same battery or an equivalent type.

If you plug the AC adapter into a 240V AC outlet, be sure to use a suitable plug adapter.

IMPORTANT INFORMATION ON USE

About this user manual

Thank you for purchasing this Samsung Camcorder. Please read this user manual carefully before you use the camcorder and keep it handy for future reference. Should your camcorder fail to operate correctly, refer to Troubleshooting.

This User Manual covers HMX-S10, HMX-S15, and HMX-S16 models.

- The HMX-S15 and HMX-S16 have a 32GB, and 64GB built-in storage media (SSD) respectively but also use memory cards.
- The HMX-S10 do not have built-in storage media (SSD) and use memory cards. Although some features of HMX-S10 models are different, they operate in the same way.
- Illustrations of model HMX-S10 are used in this user manual.
- The displays in this user manual may not be exactly the same as those you see on the LCD screen.
- Designs and specifications of the camcorder and other accessories are subject to change without any notice.
- In this user manual, the icon or symbol in the parenthesis appearing in a description of a submenu item indicates it will appear on the screen when setting the corresponding item.

Ex) Submenu item of "iSCENE" → page ??
- "Sports" (🏃): Recording people or objects in motion. (If set, corresponding icon (🏃) will appear on the screen.)

The following terms are used in this manual:

- 'Scene' refers to the point where you press the **Record Start/Stop** button to start recording until you press again to pause the recording.
- The terms 'photo' and 'still image' are used interchangeably with the same meaning.

Before using this camcorder

- **This camcorder records video in H.264 (MPEG4 part10/AVC) format and in High Definition Video (HD-VIDEO) or Standard Definition Video (SD-VIDEO). You can play back and edit the video recorded by the camcorder on a personal computer with the built-in software in this camcorder.**
- **Please note that this camcorder is not compatible with other digital video formats.**
- **Before recording important video, make a trial recording.**
Play back your trial recording to make sure the video and audio have been recorded properly.
- **The recorded contents cannot be compensated for:**
 - Samsung cannot compensate for any damage caused when a recording cannot be played back because of a defect in the camcorder or memory card. Samsung cannot be responsible for your recorded video and audio.

before reading this user manual

- Recorded contents may be lost due to a mistake when handling this camcorder or memory card, etc. Samsung shall not be responsible for compensation for damages due to the loss of recorded contents.
- **Make a backup of important recorded data.**



Protect your important recorded data by copying the files to a PC. We also recommend you to copy it from your PC to other recording media for storage. Refer to the software installation and USB connection guide.
- **Copyrights: Please note that this camcorder is intended for individual use only.**

Data recorded on the storage media in this camcorder using other digital/analog media or devices is protected by the copyright act and cannot be used without permission of the owner of the copyright, except for personal enjoyment. Even if you record an event such as a show, performance or exhibition for personal enjoyment, it is strongly recommended that you obtain permission beforehand.
- It is recommended to use the camcorder at least once a month to maintain its performance and life.
- Check the image resolution before developing photos.
- Make sure to check all functions of the camcorder to prevent a inevitable recording failure before recording.
- For Open Source licenses information, refer to the "OpenSource.pdf" in the provided CD-ROM.

Notes regarding trademarks

- All the trade names and registered trademarks mentioned in this manual or other documentation provided with your Samsung product are trademarks or registered trademarks of their respective holders.
- The SD logo is a trademark. The SDHC logo is a trademark.
- Microsoft®, Windows®, Windows Vista® and DirectX® are either registered trademarks or trademarks of the Microsoft Corporation in the United States and/or other countries.
- Intel®, Core™, and Pentium® are the registered trademarks or trademarks of the Intel Corporation in the United States and other countries.
- Macintosh, Mac OS are either registered trademarks or trademarks of Apple Inc. in the United States and/or other countries.
- YouTube is a trademark of Google Inc.
- Flickr™ is a trademark of Yahoo.
- Facebook is a trademark of Facebook Inc.
- HDMI, the HDMI logo and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing LLC.
- Adobe, the Adobe logo, and Adobe Acrobat are either registered trademarks or trademarks of Adobe Systems Incorporated in the United States and/or other countries.
- All the other product names mentioned here in may be the trademark or registered trademarks of their respect companies. Furthermore, "TM" and "®" are not mentioned in each case in this manual.

important safety instructions

	CAUTION RISK OF ELECTRIC SHOCK DO NOT OPEN	
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER-SERVICEABLE PARTS INSIDE REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.		



This symbol indicates that dangerous voltage consisting a risk of electric shock is present within this unit.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.


Warning

To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture.

Caution

Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

To disconnect the apparatus from the mains, the plug must be pulled out from the mains socket, therefore the mains plug shall be readily operable.

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachment/accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over. 
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.

important safety instructions

15. Apparatus shall not be exposed to dripping or splashing and no objects filled with liquids, such as vases, shall be placed on the apparatus.

16. VENTILATION:

Slots and openings in the cabinet are provided for ventilation to ensure reliable operation of the CAMCORDER and to protect it from overheating. These openings must not be blocked or covered. Never place your CAMCORDER on a bed, sofa, rug, or other similar surface: on or near a radiator or heat register. This CAMCORDER should not be placed in a built-in installation such as a bookcase or rack unless proper ventilation is provided or the manufacturer's instructions have been adhered to.

17. POWER SOURCES:

The CAMCORDER should be operated only from the type of power source indicated on the label. If you are not sure of the type of power supply at your home, consult your appliance dealer or local power company. A CAMCORDER is intended to be operated from battery power, or other sources, refer to the operating instructions.

18. GROUNDING OR POLARIZATION:

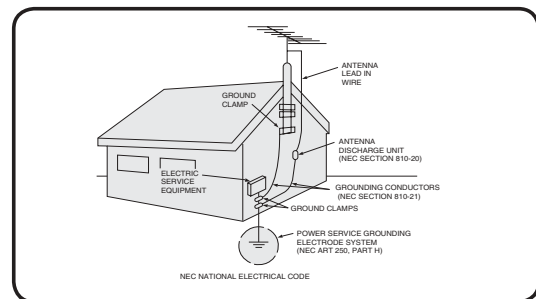
This CAMCORDER may be equipped with either a polarized 2-wire AC line plug (a plug having one blade wider than the other) or a 3-wire grounding type plug, a plug having a third (grounding) pin. If you are unable to insert the plug fully into the outlet, try reversing the plug. If the plug still fails to fit, contact your electrician to replace your outlet. Do not defeat the safety purpose of the polarized plug.

19. POWER-CORD PROTECTION:

Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords or plugs, convenient receptacles, and the point where they exit from the unit.

20. OUTDOOR ANTENNA GROUNDING:

CAMCORDER, be sure the antenna or cable system is grounded to provide some protection against voltage surges and built-up static charges, Section 810 of the National Electrical Code, ANSI/NFPA No. 70-1984, provides information with respect to proper grounding of the mast and supporting structure, grounding of the lead-in wire and supporting structure, grounding of the mast and supporting structure, grounding of the lead-in wire to an antenna discharge unit, size of grounding to conductors, location of antenna-discharge unit, connection to grounding electrodes and requirements for the grounding electrode. See figure below.



21. LIGHTNING:

For added protection of this CAMCORDER during a lightning storm or when it is left unattended and unused for long periods of time, unplug it from the wall outlet and disconnect the antenna or cable system. This will prevent damage to the CAMCORDER due to lightning and powerline surges.

22. POWER LINES:

An outside antenna system should not be located in the vicinity of overhead power lines or other electric light or power circuits where it can fall into such power lines or circuits. When installing an outside antenna system, extreme care should be taken to keep from touching such power lines or circuits as contact with them might be fatal.

23. OVERLOADING:

Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

24. OBJECTS AND LIQUIDS:

Never push objects of any kind into this CAMCORDER through openings as they may touch dangerous voltage points or short out a part that could result in a fire or electric shock. Never spill liquids of any kind onto the CAMCORDER. Should spillage occur, unplug unit and have it checked by a technician before use.

25. SERVICING:

Do not attempt to service this CAMCORDER yourself. Opening or removing covers may expose you to dangerous voltage or other hazards. Refer all servicing to qualified service personnel.

26. DAMAGE REQUIRING SERVICE:

Unplug this CAMCORDER from the wall outlet and refer servicing to qualified service personnel under the following conditions:

- a. When the power-supply cord or plug is damaged.
- b. If any liquid has been spilled onto, or objects have fallen into the CAMCORDER.
- c. If the CAMCORDER has been exposed to rain or water.
- d. If the CAMCORDER does not operate normally by following the operating instructions, adjust only those controls that are covered by the operating instructions. Improper adjustment of other controls may result in damage and will often require extensive work by a qualified technician to restore the CAMCORDER to its normal operation.
- e. If the CAMCORDER has been dropped or the cabinet has been damaged.
- f. When the CAMCORDER exhibits a distinct change in performance, this indicates a need for service.

27. REPLACEMENT PARTS:

When replacement parts are required, be sure the service technician has used replacement parts specified by the manufacturer and having the same characteristics as the original part. Unauthorized substitutions may result in fire, electric shock or other hazards.

28. SAFETY CHECK:

Upon completion of any service or repairs to this CAMCORDER, ask the service technician to perform safety checks to determine that the CAMCORDER is in safe operating order.

29. To prevent damage which may result in fire or shock hazard, do not expose this appliance to rain or moisture.

30. If this power supply is used at 240V ac, a suitable plug adaptor should be used.

31. This product is covered by one or more of the following U.S. patents:

5,060,220 5,457,669 5,561,649 5,705,762
5,987,417 6,043,912 6,222,983 6,272,096
6,377,524 6,377,531 6,385,587 6,389,570
6,408,408 6,466,532 6,473,736 6,477,501
6,480,829 6,556,520 6,556,521
6,556,522 6,578,163 6,594,208 6,631,110
6,658,588 6,674,697 6,674,957 6,687,455
6,697,307 6,707,985 6,721,243 6,721,493
6,728,474 6,741,535 6,744,713
6,744,972 6,765,853 6,765,853 6,771,890
6,771,891 6,775,465 6,778,755 6,788,629
6,788,630 6,795,637 6,810,201 6,862,256
6,868,054 6,894,963 6,937,552

important safety instructions

USER INSTALLER CAUTION:

Your authority to operate this FCC certified equipment could be voided if you make changes or modifications not expressly approved by this party responsible for compliance to part 15 FCC rules.

NOTE:

(Hg) LAMP(S) INSIDE THIS PRODUCT CONTAIN MERCURY AND MUST BE RECYCLED OR DISPOSED OF ACCORDING TO LOCAL, STATE OR FEDERAL LAWS. For details see lamprecycle.org, eiaa.org, or call 1-800-Samsung (7267864)

CALIFORNIA USA ONLY

This Perchlorate warning applies only to primary CR (Manganese Dioxide) Lithium coin cells in the product sold or distributed ONLY in California USA

“ Perchlorate Material - special handling may apply, See www.dtsc.ca.gov/hazardouswaste/perchlorate.”

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment.

This equipment is hand-held used only and it should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter. This equipment has been tested and found to comply with the limits for a class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules.

These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation.

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
 - Increase the separation between the equipment and receiver.
 - Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
 - Consult the dealer or an experienced radio/TV technician for help and for additional suggestions.
- The user may find the following booklet prepared by the Federal Communications Commission helpful: “How to Identify and Resolve Radio-TV Interference Problems.” This Booklet is available from the U.S. Government Printing Office, Washington, D.C. 20402, Stock No. 004-000-00345-4.

FCC Warning

The user is cautioned that changes or modifications not expressly approved by the manufacturer could void the user’s authority to operate the equipment.

This device complies with Part 15 of 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.

safety information

The safety precautions illustrated below are to prevent personal injury or material damages. Heed all instructions carefully.



WARNING

Means that there is a potential risk of serious personal injury.



CAUTION

Means that there is a potential risk of personal injury or damage to the product



Prohibited action.



Do not touch the product.



Do not disassemble the product.

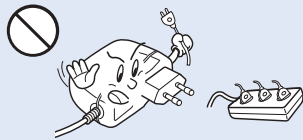


This precaution must be kept.

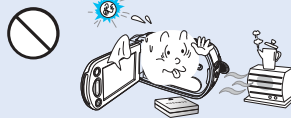


Unplug from the power supply.

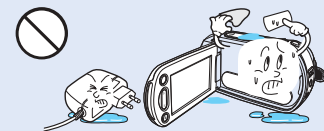
! WARNING



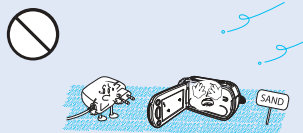
Do not overload outlets or extension cords as this may result in abnormal heat or fire.



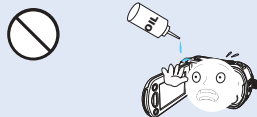
Using the camcorder at temperatures over 60 °C (140 °F) may result in fire. Keeping the battery at a high temperature may cause an explosion.



Do not allow water or metal and inflammable matter to enter the camcorder or AC power adaptor. Doing so may pose a fire hazard.



No sand or dust! Fine sand or dust entering the camcorder or AC power adaptor could cause malfunctions or defects.



No oil! Oil entering the camcorder or AC power adaptor could cause electric shock, malfunctions or defects.



Do not aim the camcorder directly into the sun. Doing so could cause eye injuries, as well as lead to malfunctioning of internal parts of the product.



Do not bend the powercord or damage the AC power adaptor by pressing on it with a heavy object. There may be a risk of fire or electric shock.

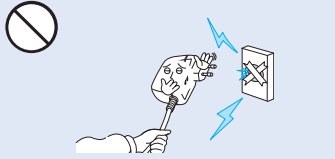


Do not disconnect the AC adaptor by pulling on its power-cord, as this could damage the power-cord.




Do not use the AC adaptor if it has damaged, split or broken cords or wires. Doing so may cause fire or electric shock.

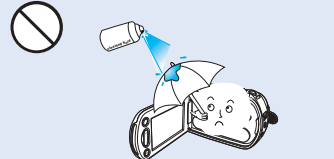
safety information




Do not connect the AC adaptor unless the plug can be fully inserted with no part of the blades exposed.



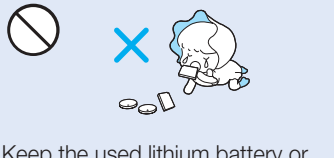
Do not dispose of battery in a fire as it may explode.



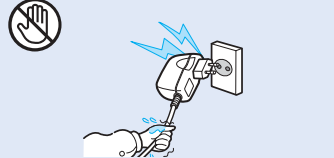
Never use cleaning fluid or similar chemicals. Do not spray cleaners directly on the camcorder.



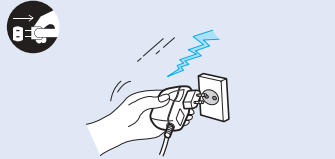
Keep the camcorder away from water when used near the beach or pool or when it rains. There is a risk of malfunction or electric shock.



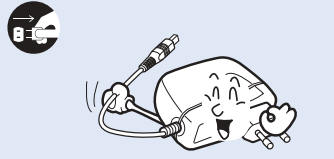
Keep the used lithium battery or memory card out of the reach of children. If the lithium battery or memory card is swallowed by children, consult physician immediately.



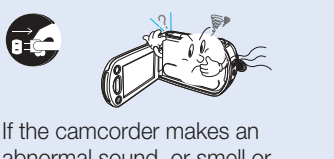
Do not plug or unplug the power cord with wet hands. There is a risk of electric shock.



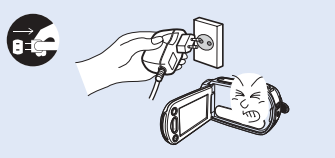
Keep the power-cord unplugged when not in use or during lightning storms. There is a risk of fire.



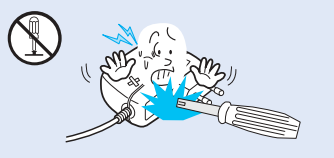
When cleaning the AC adaptor, unplug the power-cord. There is a risk of malfunction or electric shock.



If the camcorder makes an abnormal sound, or smell or smokes, unplug the power-cord immediately and request service from a Samsung service center. There is a risk of fire or personal injury.

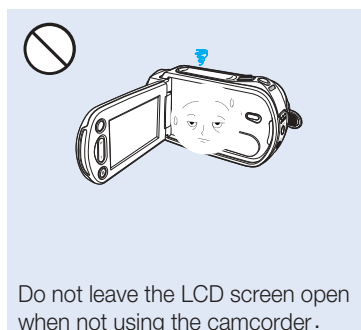
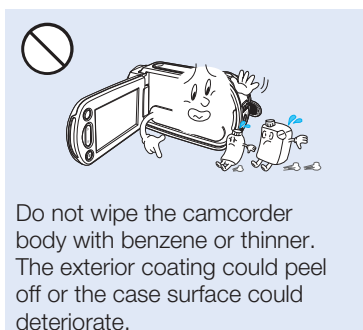
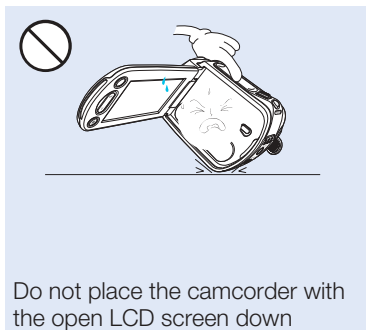
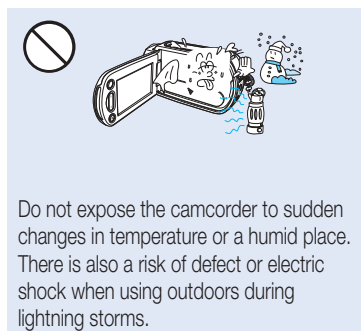
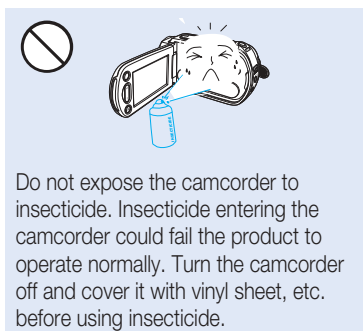
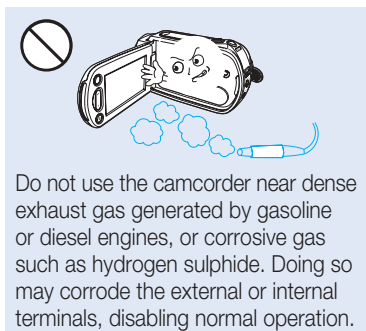
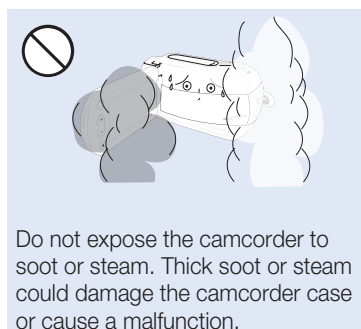
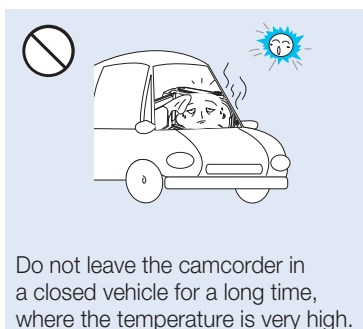
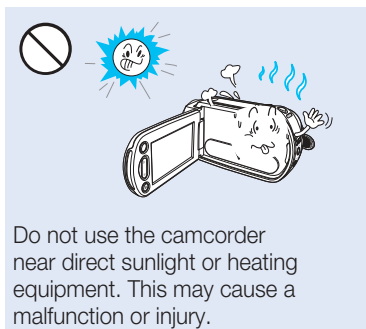
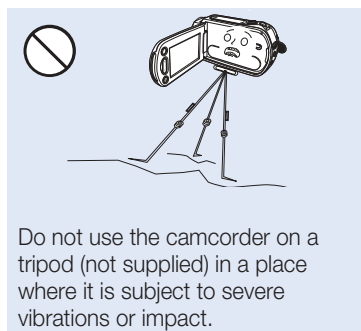
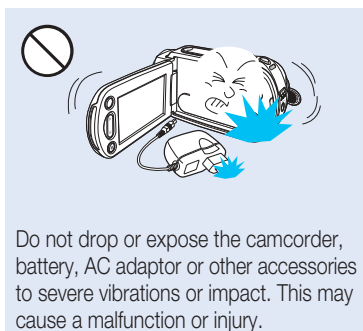
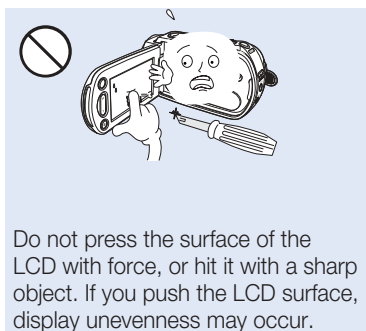


If the camcorder malfunctions, immediately detach the AC adaptor or battery from the camcorder. There is a risk of fire or injury.




Do not attempt to disassemble, repair, or reform the camcorder or the AC adaptor to avoid a risk of fire or electric shock.

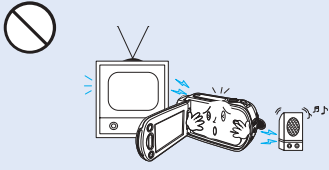
! CAUTION



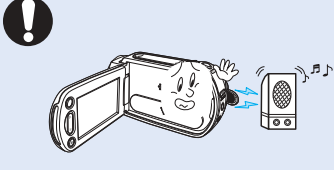
safety information



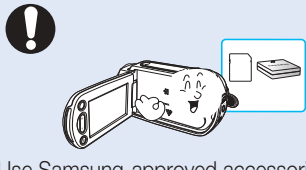
Do not hold the camcorder by the LCD monitor when lifting it. The LCD screen could detach and the camcorder may fall.



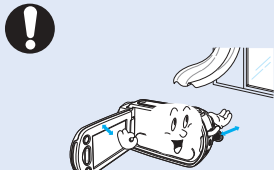
Do not use the camcorder near TV or radio: This could cause noise on the TV screen or to radio broadcasts.



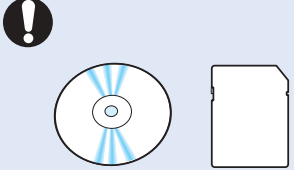
Do not use the camcorder near strong radio waves or magnetism such as speakers and a large motor. Noise could enter video or audio that are being recorded.



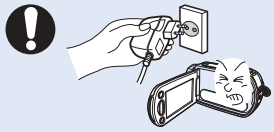
Use Samsung-approved accessories only. Using products from other manufacturers may cause overheating, fire, explosion, electric shock or personal injuries caused by abnormal operation.



Place the camcorder on a stable surface and a place with ventilation openings.



Keep important data separately. Samsung is not responsible for data loss.



Use the mains plug where it can be readily operable. If any problem occurs with the product, the mains plug must be removed to disconnect power completely. Turning off the power button on the product does not completely disconnect the power.

contents

QUICK START GUIDE

07

GETTING TO KNOW THE CAMCORDER

11

- 11 What's included with your camcorder
- 12 Location of controls
- 14 Using the remote control
- 16 Identifying the screen displays


GETTING STARTED

20

- 20 Attaching/detaching the battery
- 21 Charging the battery
- 22 Checking the battery state

BASIC OPERATION OF THE CAMCORDER

25

- 25 Turning your camcorder on/off
- 26 Switching to the power saving mode
- 27 Setting the operation modes
- 27 Using the display([) button
- 28 Using the touch panel

FIRST TIME SETTINGS

29

- 29 Setting the time zone and date/time
- 29 For the first time
- 30 Selecting the languages

GETTING READY TO START RECORDING

31

- 31 Selecting the storage media (HMX-S15/S16 only)
- 32 Inserting / ejecting a memory card (Not supplied)
- 33 Selecting a suitable memory card (Not supplied)
- 35 Recordable time and capacity
- 36 Attaching the grip belt
- 36 Adjusting the lcd screen
- 37 Basic camcorder positioning

BASIC RECORDING

38

- 38 Recording videos
- 40 Capturing photos during video
- 40 Recording (dual recording)
- 41 Recording photos
- 42 Recording with ease for beginners (Smart auto)
- 43 Capturing photos while playing back videos
- 44 Zooming
- 45 Setting the anti-shake
- 45 (OIS: Optical Image Stabilizer)

contents

BASIC PLAYBACK

49

USING THE MENU ITEMS

55

ADVANCED RECORDING

60

46 Using back light compensation mode
47 Using the flash
48 Using the manual dial

49 Changing the playback mode
50 Playing back videos
53 Viewing photos

55 Handling menus and quick menus
56 Menu items
59 Quick menu items

60 iSCENE
61 Resolution
62 Slow motion
63 White balance
64 ISO
65 Aperture
66 Shutter
67 EV
68 Super C.Nite
69 Focus
70 Face Detection
71 Magic Touch
72 Metering
72 XvYCC
73 Digital Effect
74 Fader
75 Tele Macro
75 Cont. Shot
76 Wind Cut
76 Zoom Mic
77 Voice Reduction
77 MIC Level
78 Digital Zoom
78 Self Timer
79 Time Lapse REC
81 Play Option
81 Highlight
82 **i** View
83 Story-Board Print
83 Slide Show Start
84 Slide Show Option
84 File Info

SYSTEM SETTING

85

- 85 LCD Brightness
- 85 LCD Enhancer
- 86 Guideline
- 86 Date/Time Display
- 87 TV Type
- 87 TV Display
- 88 HDMI TV Out
- 88 Auto LCD Off
- 89 Remote
- 89 PC Software
- 90 USB Connect
- 90 TV Connect guide
- 91 Anynet+ (HDMI-CEC)
- 92 Storage Type (HMX-S15/S16 only)
- 92 Storage Info
- 93 Format
- 93 File No.
- 94 Time Zone
- 95 Date/Time Set
- 95 Date Type
- 95 Time Type
- 96 Beep Sound
- 96 Shutter Sound
- 97 Auto Power Off
- 98 Quick On Stby
- 99 Custom Dial
- 99 Rec Lamp
- 100 Default Set
- 100 Language
- 101 Demo

EDITING VIDEO CLIPS

102

- 102 Deleting a section of a video (partial delete)
- 103 Dividing a video
- 104 Combining videos

FILE MANAGEMENT

105

- 105 Protection from accidental erasure
- 106 Deleting files
- 107 Copying files (HMX-S15/S16 only)

WIRELESS NETWORK CONNECTION AND CONFIGURATION

108

- 108 Auto connecting to the network
- 109 WPS connection method
- 110 Manual network connection
- 111 Device information
- 112 Playing videos/photos on the TV screen
- 113 Sharing the videos/photos
- 114 Saving the videos/photos to the PC
- 115 Transferring videos and photos between camcorders

contents

CONNECTING TO A TV	117	Connecting to a high definition TV
	119	Connecting to a regular TV
	120	Viewing on a TV screen
	117	
DUBBING VIDEOS	121	Dubbing to a vcr or dvd/hdd recorder
	121	
PRINTING PHOTOS	122	Direct printing with a pictbridge printer
	122	
USING WITH A WINDOWS COMPUTER	124	Checking your computer type
	125	What you can do with a Windows computer
	126	Using the Intelli-studio program
	130	Using as a removable storage device
	124	
TROUBLESHOOTING	132	Warning indicators and messages
	136	Symptoms and solutions
	132	
MAINTENANCE & ADDITIONAL INFORMATION	143	Maintenance
	144	Using your camcorder abroad
	143	
SPECIFICATIONS	145	Specifications
	145	

quick start guide

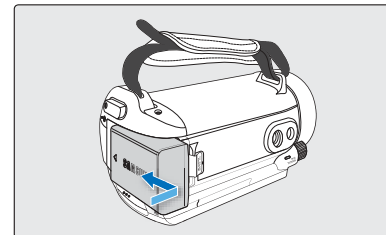
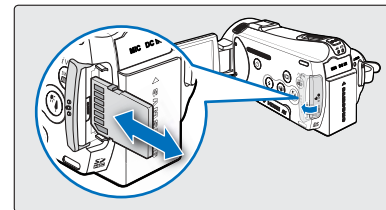
This quick start guide introduces the basic operation and features of your camcorder. See the reference pages for more information.

You can record videos in H.264 format!

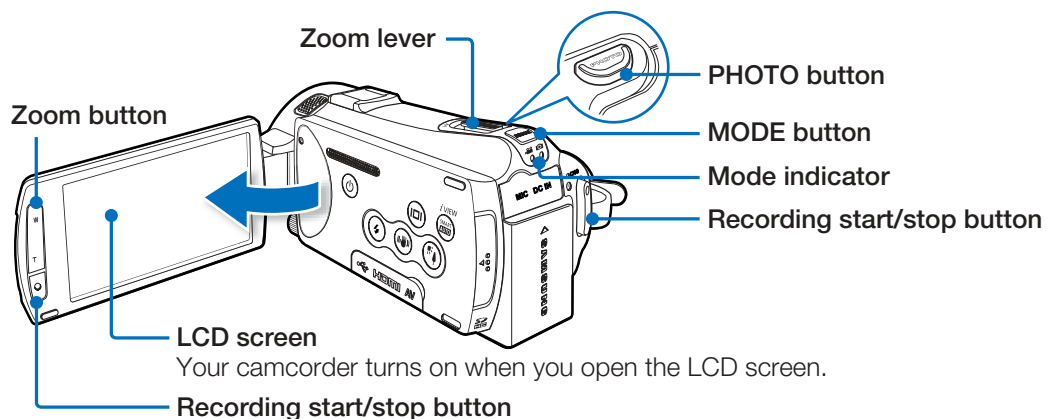
You can record videos in H.264 format that is convenient to email and share with your friends and family. You can also take photos with your camcorder.

STEP1: Get ready

1. Insert a memory card. ↪ page ??
 - You can use commercially available SDHC (SD High Capacity) or SD memory cards with this camcorder.
 - Set the appropriate storage media. ↪ page ?? (HMX-S15/S16 only)
2. Attach the battery to the camcorder. ↪ page ??
 - Align the battery with the indicator (▲) on the battery compartment, push the battery toward the arrow direction.



STEP2: Record with your camcorder

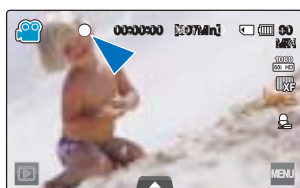


quick start guide

Recording videos with HD (high definition) image quality

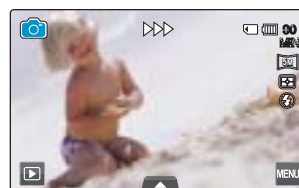
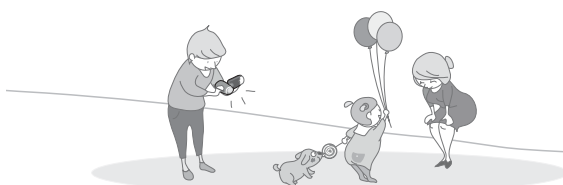
Your camcorder uses advanced H.264 compression technology to realize the clearest video quality.

1. Open the LCD screen.
 - Your camcorder turns on when you open the LCD screen.
2. Press the **Recording start/stop** button.
 - To stop recording, press the **Recording start/stop** button.



Recording photos

1. Open the LCD screen.
2. Press the **PHOTO** button lightly to adjust the focus, then press it fully (a shutter click sounds).



Using 'Quick On STBY' by opening/closing the LCD screen. ↪ page ??

When you close the LCD screen during standby, your camcorder goes to Quick On STBY mode (power saving mode). You can start recording quickly when you open the LCD screen.



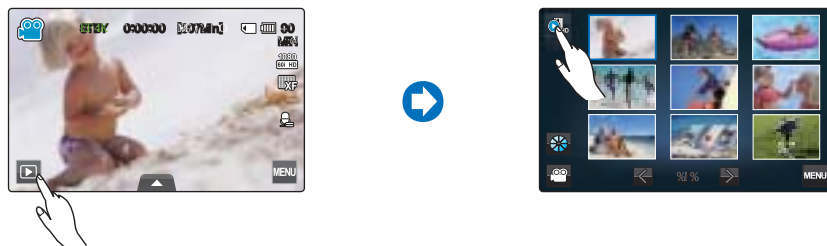
- Your camcorder is compatible with H.264 format "1080/60i(XF)" which provides highly detailed, beautiful images.
- The default setting is "1080/60i(XF)". You can also record with SD (standard definition) video quality.
- You can also take photos while recording videos. ↪ page ??

STEP3: Play back videos or photos

Viewing the LCD screen of your camcorder

You can find your desired recordings quickly by using the thumbnail index view.

1. Touch the Play (▶) tab on the LCD screen in STBY mode.
2. Touch the desired thumbnail (▶/▶/▶) tab, then touch the desired image.



Viewing on a high definition TV

- You can enjoy HD (high definition) videos. →page ??



You can also play back videos on a SD (standard definition) image quality TV.
→page ??

STEP4: Save recorded videos or photos

Simple and fun! Enjoy the various features of Intelli-studio on your Windows computer.

Using the Intelli-studio program built in your camcorder, you can import videos/photos onto your computer, edit or share the videos/photos with your friends. For details, see pages ??~??.



quick start guide

Importing and viewing videos/photos from the camcorder to your PC

1. Launch the Intelli-studio program by connecting the camcorder to your PC via USB cable.
 - A new file saving screen appears with the Intelli-studio main window. Click **“Yes”**, the uploading procedure will start.
2. The new files are saved to your PC and registered to **“Contents Manager”** on the Intelli-studio program.
 - You can arrange the files by different options such as Date, Location, etc.
3. You can double-click on the file you would like to start playback.



Sharing the videos/photos onto YouTube/Flickr/FaceBook

Share your contents with the world, by uploading videos and photos directly to web site with one click.

Click **“Share (📷)”** → **“Upload”** tab on the browser. ↪ page ??



The Intelli-studio runs automatically once the camcorder is connected to a Windows computer (when you specify **“PC Software: On”**). ↪ page ??

STEP5: Delete videos or photos

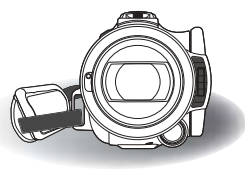
If the storage media is full, you cannot record new videos or photos. Delete videos or photos data that has been saved on a computer from the storage media. Then you can record new videos or photos on newly freed up space.

Touch the **Play (▶)** tab → **Menu (☰)** tab → **“Delete”** on the LCD screen. ↪ page ??

getting to know the camcorder

WHAT'S INCLUDED WITH YOUR CAMCORDER

Your new camcorder comes with the following accessories. If any of these items is missing from your box, call Samsung's Customer Care Center.



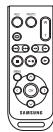
Model name	Internal memory	Color	Memory card slot	LCD screen	Lens
HMX-S10BN	-	Black	1 slot	Color / Touch panel	Optical zoom ratio: x15 (Intelli zoom ratio: x18) Digital zoom ratio: x10 (Video recording mode only)
HMX-S15BN	32GB	Black	1 slot	Color / Touch panel	
HMX-S16BN	64GB	Black	1 slot	Color / Touch panel	

- Although some features of the models are different, they operate in the same way.

Checking your accessories



Battery
(IA-BP210E)
(AD00-00000A)



Remote control & button type battery
(AD00-00000A)



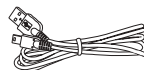
AC power adaptor
(AA-MA9 type)
(AD00-00000A)



Audio/Video cable
(AD00-00000A)



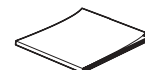
Mini HDMI cable
(AD00-00000A)



USB cable
(AD00-00000A)



User manual CD
(AD00-00000A)



Quick start guide
(AD00-00000A)

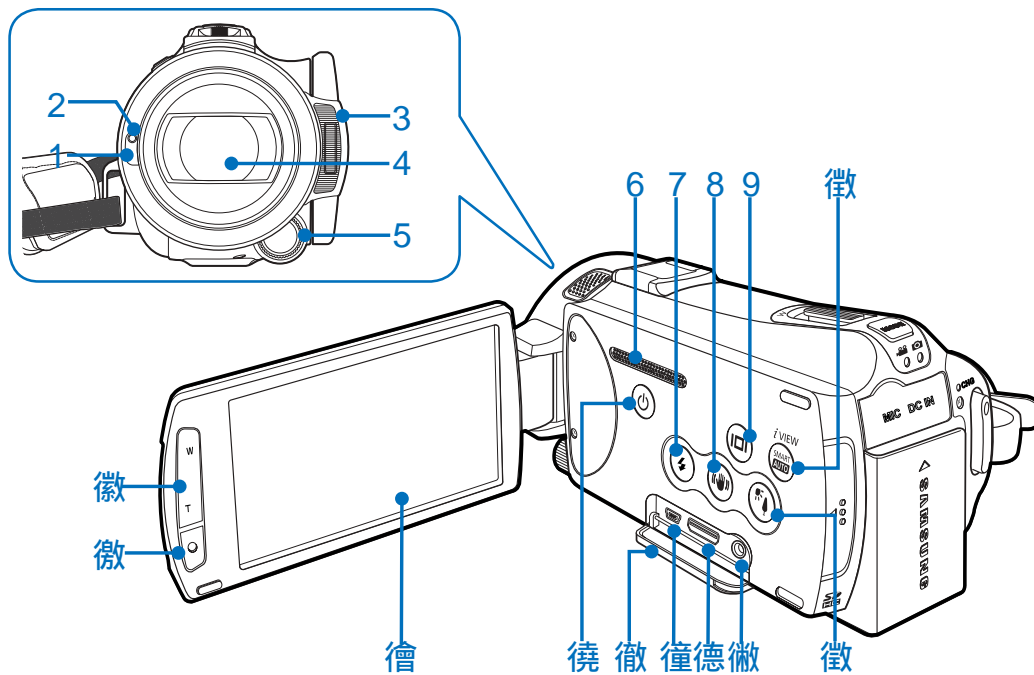


- The exact appearance of each item may vary by model.
- The contents may vary depending on the sales region.
- Parts and accessories are available for purchase at your local Samsung dealer. SAMSUNG is not responsible for reduced battery life time or malfunctions caused by any unauthorized use of accessories such as the AC power adaptor or the batteries.
- A memory card is not included. See page ?? for memory cards compatible with your camcorder.
- Your camcorder includes the user manual CD and printed quick start guide.

getting to know the camcorder

LOCATION OF CONTROLS

Front/Left



- 1 Remote control sensor
- 2 Recording indicator
- 3 Built-in flash
- 4 Lens
- 5 Manual button/dial

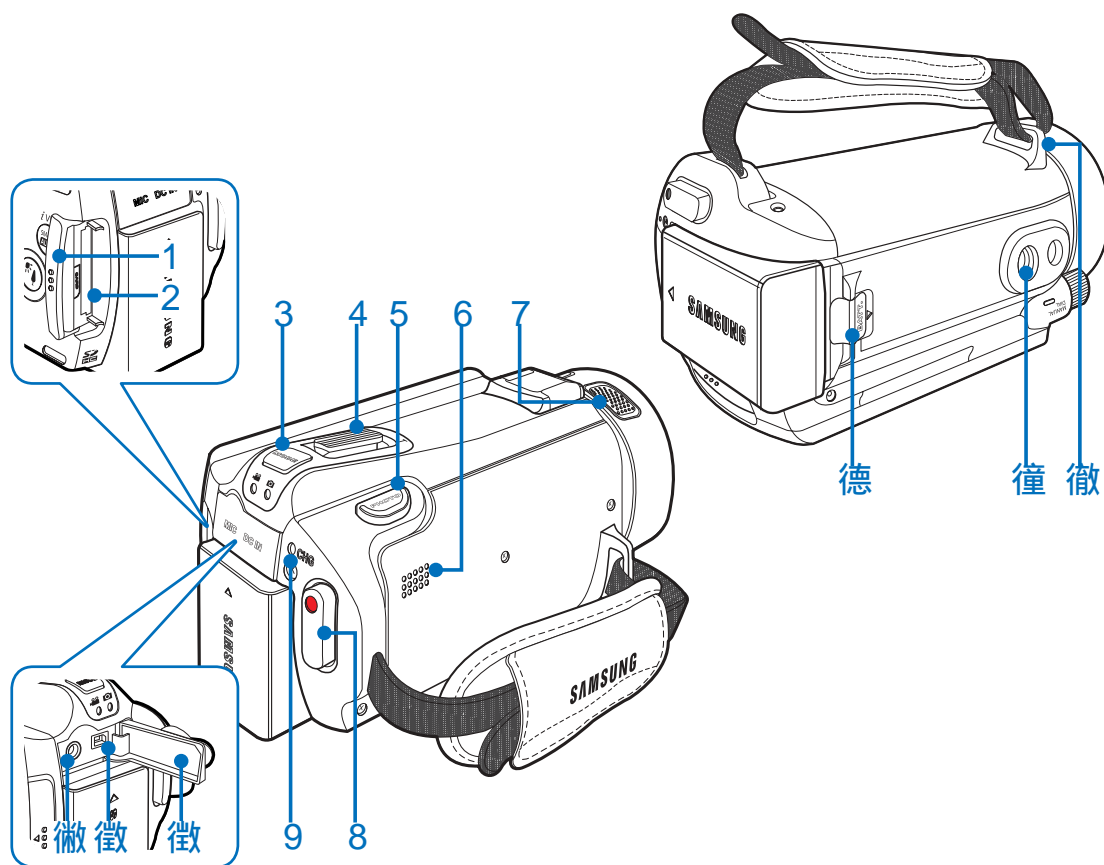
- 徠 Backlight (☾) button
- 廾 AV jack (Composite)
- 廾 HDMI jack
- 廾 USB jack
- 廾 Jack cover (HDMI AV)
- 廾 Power (⏻) button
- 廾 TFT LCD screen (Touch screen)
- 廾 Recording start/stop button
- 廾 Zoom (W/T) button

廾 SMART **AUTO** / FVIEW button



During a recording, be careful not to block the internal microphone and lens.

Rear/Right/Top/Bottom



1 Memory card cover

2 Memory card slot

3 MODE button / Mode indicator

📹: Video mode

📷: Photo mode

4 Zoom (W/T) lever

5 PHOTO button

6 Built-in speaker

7 Internal zoom microphone

8 Recording start/stop button

9 Charging (CHG) indicator

座 Jack cover (MIC DC IN)

廩 DC IN jack

座 External microphone (MIC) jack

廩 Battery release switch

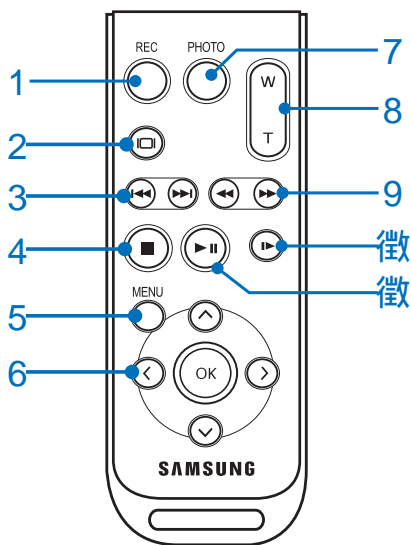
庫 Tripod receptacle

廩 Grip belt hook

getting to know the camcorder

USING THE REMOTE CONTROL

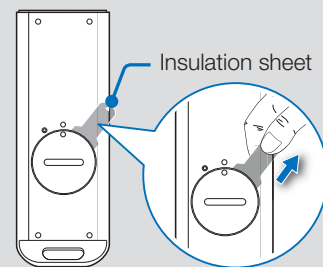
You can operate the camcorder at a distance with a remote control.



1	REC (Recording start/stop) button
2	Display (⊞) button
3	Skip (⏮/⏭) button
4	Stop (⏹) button
5	MENU button
6	Control (⏪/⏩/⏮/⏭/⏹) buttons
7	PHOTO button
8	Zoom (W/T) button
9	Search (⏮/⏭) button
座	Slow playback (⏮) button
摩	Play/Pause (⏹) button

Remove the insulation sheet before using the remote control!

Remove the insulation sheet before using the remote control as shown in the illustration.



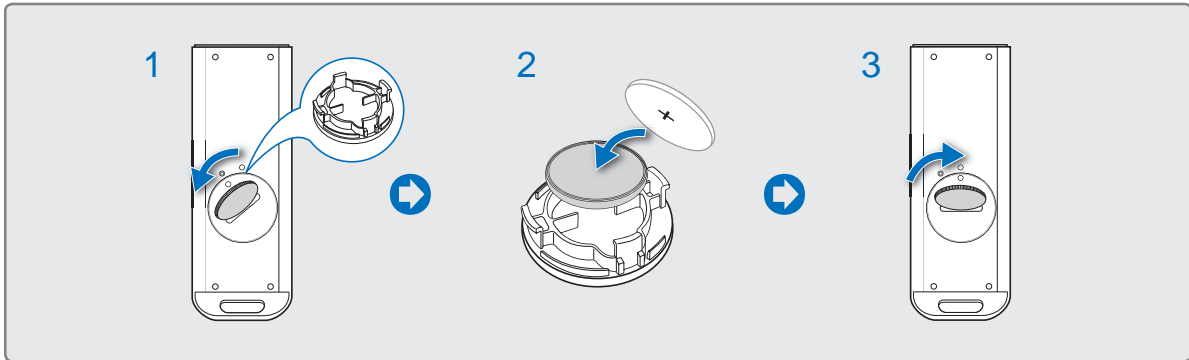
The remote control may malfunction or not work when two buttons are pressed at the same time.



- The buttons on the remote control function the same as those on the camcorder.
- You can use the remote control conveniently when recording yourself with the camcorder fixed on a tripod (not supplied).

Installing the button type battery (CR2025) in the remote control

1. Turn the battery holder counter clockwise (as indicated with (⊙) mark) using your fingernail or a coin to open it.
 - The battery holder opens.
2. Insert the battery into the battery holder with the positive (+) terminal facing down and press it firmly until you hear a locking sound.
3. Place the battery holder back in the remote control, match its (⊙) mark with the (○) mark on the remote control, and turn the battery holder clockwise to lock it.



Precautions regarding the button type battery

- There is a danger of explosion if the button type battery is incorrectly replaced. Replace only with the same or equivalent type.
- Lithium battery has a expected lifetime of 5~6 months and it depends on the use time of the remote control.
- You can purchase the lithium battery in your nearest Samsung dealer and replace with new one when the remote control does not work due to the low battery. (CR2025 type)
- Do not pick up the battery using tweezers or other metal tools. This will cause a short circuit.
- Do not recharge, disassemble, heat or immerse the battery in water, to avoid the risk of explosion.
- Keep the button type battery out of the reach of the children. Should any battery be swallowed, consult a doctor immediately.

getting to know the camcorder

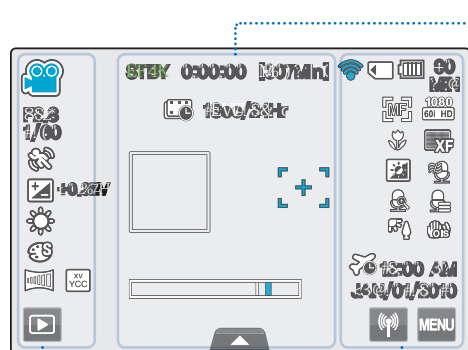
IDENTIFYING THE SCREEN DISPLAYS

The available functions vary depending on the selected operation mode, and different indicators appear depending on the setting values.

PRECHECK!

- This On Screen Display (OSD) is shown in the Video record mode only.
- Select the Video record (📹) mode by pressing the **MODE** button. →page ??

Video record mode



Center of the LCD screen

Indicator	Meaning
STBY / ● / 📹	Operating status (standby / recording) / Self Timer
0:00:00	Time counter (video recording time)
[0:07Min]	Remaining recordable time
📹 13.0v/3.4Hz	Time Lapse REC
□	Face Detection frame
[+]	Touch point
▬	Optical zoom / Digital zoom
▶	Quick menu tab

Left of the LCD screen

Indicator	Meaning
📹 ! 📹	Video record mode / Smart Auto mode
F2.8 / 1/60	Manual aperture*, Manual shutter* / Super C.Nite
📹	iSCENE
📷 +0.3EV	Exposure value*
☀️	White Balance
🌀	Digital Effect
🔊 , xv YCC	Fader*, xvYCC
▶	Play tab

Right of the LCD screen

Indicator	Meaning
📶	Strength of the wireless network signal (HMX-S15/S16 only)
📷 / 📷	Storage media (memory card or internal memory (HMX-S15/S16 only))
🔋 90%	Battery info. (remaining battery level)
📷 / 📷 / 📷 , 📷 / 📷	Manual focus / Touch Point / Face Detection, Video resolution / Slow Motion
📷 , 📷	Tele Macro, Video quality
📷 , 📷	LCD Enhancer, Wind Cut
📷 , 📷	Zoom MIC, MIC Level
📷 , 📷	Back light, Anti-shake (OIS)
📷 12:00 AM 1/1/2010	Time Zone (visit), Date/Time
📶 , MENU	Wireless Networking tab (HMX-S15/S16 only), Menu tab

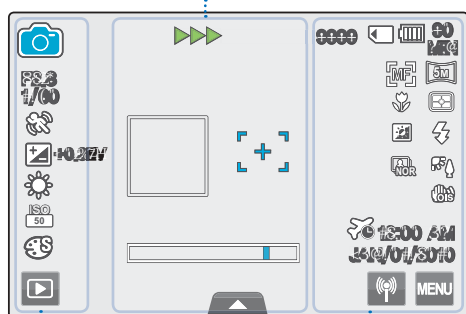


- Functions marked with * will not be retained when the camcorder is powered back on.
- The on-screen indicators are based on a 32GB SDHC memory card capacity.
- The above screen is illustrated for explanation purposes and may differ from the actual display.
- For warning indicators and messages, see pages ??~??
- The above illustrated items and their positions can be changed without notice for the purpose of better performance.

PRECHECK!

- This On Screen Display (OSD) is shown in the Photo record mode only.
- Select the Photo record (📷) mode by pressing the **MODE** button. →page ??

Photo record mode



Center of the LCD screen

Indicator	Meaning
● / ►►► / ⌚	Operating status (focus / recording)/ Self Timer
□	Face Detection frame
⊕	Magic Touch point
▬	Optical zoom
▶	Quick menu tab

Left of the LCD screen

Indicator	Meaning
📷 / 📷	Photo record mode / Smart Auto mode
F2.8 / 1/60	Manual aperture*, Manual shutter*
🌀	iSCENE
+0.3EV	Exposure value*
☀️	White Balance
ISO 50	ISO
🌀	Digital Effect
▶	Play tab

Right of the LCD screen

Indicator	Meaning
9999 / 📶	Image counter (total number of recordable photo images)/ Strength of the wireless network signal (HMX-S15/S16 only)
📁 / 📁	Storage media (memory card or internal memory (HMX-S15/S16 only))
🔋 50%	Battery info. (remaining battery level)
🔍 / 📷 / 📷	Manual focus / Magic Touch / Face Detection, Video quality
📷, 📷	Tele Macro, Metering
📷, 📷	LCD Enhancer, Flash
📷, 📷	Cont. Shot, Back light
📷	Anti-shake (OIS)
🌍 12:00 AM / JAN/01/2010	Time Zone (visit), Date/Time
📶, MENU	Wireless Networking tab (HMX-S15/S16 only), Menu tab



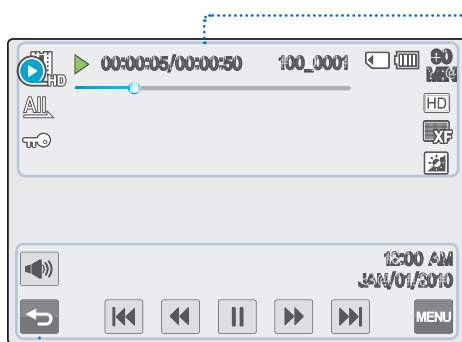
- Functions marked with * will not be retained when the camcorder is powered back on.
- The total number of recordable photos is counted based on available space on the storage media.
- The number of recordable photos may remain if the available space on the storage media rarely changes after recording.
- The maximum number of recordable photos on the On Screen Display (OSD) is “9999.”

getting to know the camcorder

PRECHECK!

- This On Screen Display (OSD) is shown in the Video play mode only.
- Select the Play (▶) tab on the LCD screen to select the Video play (▶ / ▶) mode. ↪page ??

Video play mode



Top of the LCD screen

Indicator	Meaning
▶ / ▶	Video play mode
▶	Operating status (play, pause, etc.)
00:00:05/00:00:50	Time code (elapsed time/recorded time)
100_0001	File name (file number)
◀ / ▶	Storage media (memory card or internal memory (HMX-S15/S16 only))
90%	Battery info. (remaining battery level)
Progress bar	Playback progress bar
▶	Play Option
🔒	Erase protection
HD	Video resolution
XF	Video quality
▶	LCD Enhancer

Bottom of the LCD screen

Indicator	Meaning
🔊 / ▶ ▶ ▶	Volume tab / Play related function tab (frame advance)
↶	Return tab
⏮ ⏪ ⏩ ⏭	Play related function tab (skip/search/playback/pause/slow playback)
MENU	Menu tab
12:00 AM JAN/01/2010	Date/Time



The play control tabs appear briefly. They reappear when touching anywhere on the screen.