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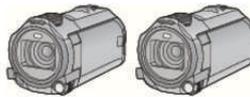
You can read the recommendations in the user guide, the technical guide or the installation guide for PANASONIC HC-V750. You'll find the answers to all your questions on the PANASONIC HC-V750 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PANASONIC HC-V750
User guide PANASONIC HC-V750
Operating instructions PANASONIC HC-V750
Instructions for use PANASONIC HC-V750
Instruction manual PANASONIC HC-V750

Panasonic

Operating Instructions
High Definition Video Camera

Model No.	HC-W850	Model No.	HC-V750
	HC-W858		HC-V757
	HC-W850M		HC-V750M
			HC-V730



Please read these instructions carefully before using this product, and save this manual for future use.



Web Site: <http://www.panasonic.com>

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Manual abstract:

@@@MP4: This is a recording format suitable for playing back or editing on a PC. ≥ It is not compatible with motion pictures recorded in AVCHD format. iFrame: This is a recording format suitable for playing back or editing on a Mac (iMovie etc.). ≥ It is not compatible with motion pictures recorded in AVCHD format. ∫ Handling of built-in memory [HC-W850M]/[HC-V750M] This unit is equipped with the built-in memory. When using this component, pay attention to the following points. Back up data periodically. The built-in memory is temporary storage. @@@Do not perform the following operations when the lamp illuminates.

It may damage the built-in memory or cause a malfunction in the unit. @@@Likewise, the above also applies in a case where any type of repair is made to the unit (including any other non-built-in memory related component). -2- ∫ About Condensation (When the lens or the LCD monitor is fogged up)

Condensation occurs when there is a change in temperature or humidity, such as when the unit is taken from outside or a cold room to a warm room. Please be careful, as it may cause the lens or LCD monitor to become soiled, moldy, or damaged. When taking the unit to a place which has a different temperature, if the unit is accustomed to the room temperature of the destination for about one hour, condensation can be prevented.

(When the difference in temperature is severe, place the unit in a plastic bag or the like, remove air from the bag, and seal the bag.) When condensation has occurred, remove the battery and/or the AC adapter and leave the unit like that for about one hour. When the unit becomes accustomed to the surrounding temperature, fogging will disappear naturally. ∫ For the purposes of these operating instructions ≥ SD Memory Card, SDHC Memory Card and SDXC Memory Card are referred to as the "SD card". ≥ The smartphone and tablet are indicated as "smartphone".

≥ Function that can be used for Motion Picture Recording Mode: Function that can be used for Still Picture Recording Mode: ≥ Function that can be used for the Playback Mode: Function that can be used for the Playback Mode (motion pictures only): Function that can be used for the Playback Mode (still pictures only): ≥ Scene(s) recorded in the recording format [AVCHD]: "AVCHD scene(s)" ≥ Scene(s) recorded in the recording format [MP4/iFrame],

scene(s) saved in MP4 (Low Quality): "MP4/iFrame scene(s)" ≥ Pages for reference are indicated by an arrow, for example: l 00 These operating instructions are designed for use with models HC-W850 , HC-W858 , HC-W850M , HC-V750 , HC-V757 , HC-V750M and HC-V730 . Pictures may be slightly different from the original. ≥ The illustrations used in these operating instructions show model HC-W850 , however, parts of the explanation refer to different models. ≥ Depending on the model, some functions are not available. ≥ HC-W850 , HC-W858 , HC-W850M , HC-V750 , HC-V757 and HC-V750M correspond to Wi-Fi® functions. ≥ Features may vary, so please read carefully. ≥ Not all models may be available depending on the region of purchase. ∫

Cards that you can use with this unit SD Memory Card, SDHC Memory Card and SDXC Memory Card ≥ 4 GB or more Memory Cards that do not have the SDHC logo or 48 GB or more Memory Cards that do not have the SDXC logo are not based on SD Memory Card Specifications. ≥ Refer to page 16 for more details on SD cards. -3- Contents Read this first .

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Playback Mode by pressing the recording/playback button.



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If you touch the recording mode switching icon in Recording Mode, this unit can be switched between Motion Picture Recording Mode and Still Picture Recording Mode. Motion Picture Recording Mode (1 25) Still Picture Recording Mode (1 27) Playback Mode (1 29, 88) Recording motion pictures. Recording still pictures. Motion picture/Still picture playback.

Switching this unit between Recording Mode and Playback Mode Recording/playback button Press the button to switch this unit between Recording Mode and Playback Mode. ≥ When you turn on this unit, it starts up in Recording Mode. Switching this unit between Motion Picture Recording Mode and Still Picture Recording Mode Touch the recording mode switching icon displayed on the LCD monitor (touch screen) to switch this unit between Motion Picture Recording Mode and Still Picture Recording Mode. 1 Press the recording/playback button to switch this unit to Recording Mode. ≥ The recording mode switching icon A is displayed on the screen.

Motion Picture Recording Mode Still Picture Recording Mode 2 Touch the recording mode switching icon. (Motion Picture Recording Mode) ≥ Refer to page 20 for touch screen operation. - 19 - To display the recording mode switching icon Display of the recording mode switching icon will disappear when no touch operation is performed for a specific period of time. To display it again, touch the screen. ≥ If the recording start/stop button is pressed in Still Picture Recording Mode or Playback Mode, this unit will be switched to Motion Picture Recording Mode.

During motion picture/still picture playback or in other conditions, even if the recording start/stop button is pressed, the recording mode may not be switched. Preparation How to use the touch screen You can operate by directly touching the LCD monitor (touch screen) with your finger. ∫ Touch Touch and release the touch screen to select icon or picture. ≥ Touch the centre of the icon. ≥ Touching the touch screen will not operate while you are touching another part of the touch screen. ∫ Slide while touching Move your finger while pressing on the touch screen. ∫ About the operation icons / / / : Touch when changing a page or performing settings. : Touch to return to the previous screen. - 20 - About the Touch Menu Touch (left side) / operation icons. (right side) of on the Touch Menu to switch the ≥ It is also possible to switch the operation icons by sliding the Touch Menu right or left while touching it.

A Touch Menu T □ W Recording Mode Playback Mode T W FOCUS WB SHTR IRIS MENU ALL MENU □ B C D □ □ □ E You can change the operation icons to display. (1 38) Displayed only in Intelligent Auto Plus Mode (1 53) and [Miniature Effect]/[8mm movie]/ [Silent movie] of the Creative Control Mode (1 53). Displayed only in [Time Lapse Rec] of the Creative Control Mode (1 53), Scene Mode (1 57), FULL HD Slow Motion Video Mode (1 58), Stop Motion Animation Assist Mode (1 60) and Manual Mode (1 61). Displayed only when you adjust the picture quality with the Multi Manual Dial (1 85) Display of the Touch Menu will disappear when no touch operation is performed for a specific period of time during recording of motion picture/still picture. To display it again, touch . ∫ To display the Touch Menu ≥ Do not touch on the LCD monitor with hard pointed tips, such as ball point pens. - 21 - Preparation Setting date and time The clock is not set at the time of purchase. Make sure to set the clock. 1 2 A Select the menu. (1 32) MENU : [SETUP] # [CLOCK SET] Touch the date or time to be set, then set the desired value using / .

Displaying the World Time setting (1 33): [HOME]/ [DESTINATION] ≥ The year can be set between 2000 and 2039. 3 Touch [ENTER]. ≥ A message prompting for World Time setting may be displayed. Perform the World Time setting by touching the screen. (1 33) ≥ Touch [EXIT] to complete the setting. ≥ When the unit is turned on for the first time, a message asking you to set the date and time will appear. Select [YES] and perform Steps 2 to 3 to set the date and time. ≥ The date and time function is driven by a built-in lithium battery. ≥ If the time display becomes [- -], the built-in lithium battery needs to be charged. To recharge the built-in lithium battery, connect the AC adaptor or attach the battery to this unit.

The battery is still being recharged even if the unit is off. Leave the unit as it is for approx. 24 hours and the battery will maintain the date and time for approx. 4 months. - 22 - Basic Before recording ∫ Basic camera positioning □ □ □ □ 1 Hold the unit with both hands. 2 Put your hand through the grip belt. 3 It is convenient to use the Recording button icon A when holding the unit at waist level. ≥ When recording, make sure your footing is stable and there is no danger of colliding with another person or object. ≥ When you are outdoors, record pictures with the sunlight behind you. If the subject is backlit, it will become dark in the recording.

≥ Keep your arms near your body and separate your legs for better balance. ≥ Do not cover the microphones with your hand etc. ∫ Basic motion picture recording ≥ The unit should normally be held steady when recording. ≥ If you move the unit when recording, do so slowly, maintaining a constant speed. ≥ The zoom operation is useful for recording subjects you cannot get close to, but overuse of zoom in and zoom out can make the resulting motion picture less enjoyable to watch. ∫ Recording Yourself Rotate the LCD monitor towards the lens side. ≥ The image is horizontally flipped as if you see a mirror image. (However the image recorded is the same as a normal recording.) ≥ Only some indications will appear on the screen. When appears, return the direction of the LCD monitor to normal position and check the warning/alarm indication.

(1 205) - 23 - Basic Selecting a media to record [HC-W850M]/[HC-V750M] The card and built-in memory can be selected separately to record motion pictures or still pictures. 1 2 3 4 Set this unit to Recording Mode. (1 19) Select the menu. (1 32) MENU : [MEDIA SELECT] Touch the media to record motion pictures or still pictures. ≥ The media selected separately for motion pictures or still pictures is highlighted in yellow.

Touch [ENTER]. - 24 - Basic Recording motion pictures 1 2 Open the LCD monitor, and set this unit to Motion Picture Recording Mode. (1 19) Press the recording start/stop button to start recording. T W □ □ A B 3 Recording button icon When you begin recording, ; changes to ¥. Press the recording start/stop button again to pause recording.

≥ Recording can also be started/stopped by touching the recording button icon. ∫ Screen indications in the Motion Picture Recording Mode Recording mode R 1h20m Approximate remaining recordable time ≥ When the remaining time is less than 1 minute, R 0h00m flashes red. Recording time elapsed ≥ "h" is an abbreviation for hour, "m" for minute and "s" for second.



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≥ Each time the unit is put into recording pause, the counter display will be reset to 0h00m00s. 0h00m00s R 1h20m 0h00m00s ≥ Screen display will disappear when no touch operation is performed for a specific period of time. To display it again, touch the screen. (1 33) ≥ It will be constantly displayed when the remaining recordable time becomes less than 30 minutes. - 25 - ≥ If the recording/playback button is pressed during motion picture recording, the recording will stop and this unit will be switched to Playback Mode. ≥ To change the recording format, change the [REC FORMAT] or [REC MODE]. (1 77)
≥ Still pictures can be recorded while recording the motion picture.

(1 28) ≥ The images recorded between pressing the recording start/stop button to start recording and pressing it again to pause recording become one scene. ≥ In the following cases, a scene is divided automatically. (The recording will continue) j When [REC MODE] of the scene is set to [1080/28M], [720] or [iFrame] and the recording time of the scene exceeds approximately 20 minutes j When [REC MODE] of the scene is set to [1080/50M] and the recording time of the scene exceeds approximately 10 minutes ≥ (Maximum recordable scenes of a single SD card or built-in memory) Recording format Recordable scenes Different dates (1 93) [AVCHD] Approx. 3900 Approx. 900 [MP4/iFrame] Approx. 89100 Approx. 900 ≥ Maximum number of recordable scenes and maximum number of different dates will be less than above table when there are both MP4/iFrame scenes and still pictures recorded on an SD card or the built-in memory. ≥ While recording is in progress, the recording will not stop even if the LCD monitor is closed. ≥ Put the unit in Pause mode when connecting or disconnecting an external microphone with the MIC terminal. ≥ Please refer to page 220 about approximate recordable time.

- 26 - Basic Recording still pictures 1 2 Open the LCD monitor, and set this unit to Still Picture Recording Mode. (1 19) Press the button halfway. (For Auto Focus only) Focus indication: A Focus indication: ± (The white lamp flashes.): Focusing ¥ (The green lamp lights up.): When in focus No mark: When focusing is unsuccessful.

Focus area (area inside brackets) □ □ B 3 Press the button fully. ≥ If you set the Optical Image Stabilizer function (1 66) to ([MODE1]), then the Image Stabilizer function will be more effective. (MEGA (MEGA Optical Image Stabilizer) will be displayed when the button is pressed halfway.) ≥ Using a flash or tripod is recommended when recording still pictures in dark places because the shutter speed becomes slow. ≥ You can also take a picture just by touching the subject to focus.

(Touch Shutter: 1 69) ≥ The still picture recording time may be long depending on the picture size. ≥ The focus indication and the focus area may not be displayed depending on the recording conditions or the menu settings. - 27 - f About the screen indications in Still Picture Recording Mode Still picture operation indicator (1 202) R3000 Remaining number of still pictures ≥ Flashes in red when [0] appears. Size of still pictures (1 86) MEGA Optical Image Stabilizer (1 27) Optical Image Stabilizer (1 66) AF assist lamp (1 87) β βj Flash (1 72) Flash level (1 72) Red-eye Reduction (1 73) ≥ Screen display will disappear when no touch operation is performed for a specific period of time. To display it again, touch the screen. ≥ It will be constantly displayed when the remaining number of still pictures that can be recorded becomes 200 or less. R3000 24M MEGA 24M MEGA f About the focusing area When there is a contrasting object ahead or behind the subject in the focus area, the subject may not be focused. If so, move the contrasting object out of the focus area. Recording still pictures in Motion Picture Recording Mode ↯ Set this unit to Motion Picture Recording Mode (1 19) Press the button fully (press to the bottom) to take the picture. ≥ It is possible to record still pictures while recording motion pictures.

(Simultaneous recording) ≥ While still pictures are being recorded, turns red and the remaining number of recordable pictures is displayed. ≥ No shutter sound is emitted when recording still pictures. ≥ Built-in flash, Red-eye Reduction and Self-timer (1 73) do not work. ≥ While recording motion pictures or during the PRE-REC operation, image quality is different from ordinary still pictures so that motion picture recording takes preference over still picture recording. ≥ If simultaneous recording is performed during motion picture recording, the remaining recordable time will be shortened. If this unit is turned off or the recording/playback button is pressed, the remaining recordable time may be lengthened. ≥ The still picture recording time may be long depending on the picture size. ≥ Maximum number of recordable pictures that can be displayed is 9999. If the number of recordable pictures exceeds 9999, R 9999+ is displayed. The number will not change when the picture is taken until the number of recordable pictures is 9999 or less.

≥ The recording time may be long depending on the recording condition. - 28 - Basic Motion picture/Still picture playback 1 2 3 Set this unit to Playback Mode (1 19). □ ALL Touch the play mode select icon A (1 21). □ ≥ You can also set by touching MENU , selecting [VIDEO SETUP] or [PHOTO SETUP] # [MEDIA, VIDEO/PICTURE]. (1 32) HC-W850 / HC-W858 / HC-V750 / HC-V757 / HC-V730 Select the still picture C or the recording format of the motion picture D you wish to play back.

HC-W850M / HC-V750M Select the media type E and then select the still picture C or the recording format of the motion picture D you wish to play back. ≥ Touch [Enter]. □ □ □ □ 4 (When [AVCHD] or [MP4/iFrame] is touched) Touch the desired recording format for playback. ≥ When [AVCHD] is selected [ALL AVCHD]/[1080/50p]/[1080/50i] ≥ When [MP4/iFrame] is selected [ALL MP4/iFrame]/[1080/50p]/[720/25p]/[360/25p]/[iFrame] ≥ The recording mode icon B is displayed in the thumbnail display when the item is touched. (, , , , and) ≥ The following icons are displayed on thumbnails when [ALL AVCHD] or [1080/50i] is touched: j AVCHD [1080/50p] scene: j AVCHD [PH] scene: j AVCHD [HA] scene: j AVCHD [HG] scene: j AVCHD [HE] scene: 50p - 29 - ≥ The following icons are displayed on thumbnails when [ALL MP4/iFrame] is touched: j MP4 [1080/50p] scene: j MP4 [720/25p] scene: j MP4 [360/25p] scene: j iFrame scene: ≥ is displayed on the thumbnails of MP4 [1080/50M] scenes when [1080/50p] in [MP4/iFrame] is touched.

(Blue) (Recording mode [1080/50M]) (Recording mode [1080/28M]) 5 Touch the scene or the still picture to be played back. ≥ To display the next (previous) page: j Slide the thumbnail display upward (downward) while touching it. j Switch the touch menu, and then touch (up) / (down) on the thumbnail scroll lever.



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6 Select the playback operation by touching the operation icon. 0h01m30s ≥ Operation icons and screen display will disappear when no touch operation is performed for a specific period of time. To display them again, touch the screen. Operation icon Motion picture playback 1/; 6: 5: f: Playback/Pause Fast rewind playback* Fast forward playback* Stops the playback and shows the thumbnails. 1/; Still picture playback Slide show (playback of the still pictures in numerical order) start/ pause. Plays back the previous picture. Plays back the next picture.

Stops the playback and shows the thumbnails. 2;; 1: f: * When touched two times, the fast rewind/fast forward speed increases. (The screen display changes to /.) - 30 - f Change the thumbnail display While the thumbnail is displayed, the thumbnail display changes in the following order if the zoom lever is operated to side or side. 20 scenes () 9 scenes () 1 scene () Highlight & Time Frame Index* (1 90) * Highlight & Time Frame Index can only set in Motion Picture Playback Mode. ≥ If the recording/playback button is pressed, the thumbnail display will return to the one that displays 9 scenes. ≥ By displaying in 1 scene or touching and holding the thumbnail in the 20 scenes or 9 scenes display, recording date and time are displayed when playing back motion pictures, and recording date and file number when playing back still pictures. f Speaker/Headphone volume adjustment Operate the volume lever to adjust the speaker/headphone volume during Motion Picture Playback Mode. Towards "r": Towards "s": Increases the volume Decreases the volume ≥ ≥ ≥ Sound will be heard only during normal playback. If pause play is continued for approx.

5 minutes, the screen returns to the thumbnails. The elapsed time for playback indication will be reset to 0h00m00s each scene. When played back with [ALL AVCHD] or [ALL MP4/iFrame] selected, the screen may become black momentarily at the time the scene switches. Motion picture compatibility ≥ This unit is based on AVCHD Progressive/AVCHD format/MPEG-4 AVC file format. ≥ Even if the devices used have compatible standards, when playback of motion pictures recorded using another device is performed using this unit, or when motion pictures recorded using this unit is played back in another device, playback may not proceed normally, or may not be possible.

(Please check compatibility in the operating instruction of your device.) ≥ The only MP4 scenes that can be played back on this unit are those recorded with this unit. Still picture compatibility ≥ This unit is compliant with the unified standard DCF (Design rule for Camera File system) established by JEITA (Japan Electronics and Information Technology Industries Association). ≥ The file formats of still pictures supported by this unit is JPEG. (Not all JPEG formatted files will be played back.

) ≥ This unit may degrade or not play back still pictures recorded or created on other products and other products may degrade or not play back still pictures recorded on this unit. ≥ Depending on the playback device, still pictures may be played back with picture sizes different from the ones with which they were recorded. - 31 - Basic Using the menu screen ≥ Touch 1 (left side)/ MENU (right side) of on the Touch Menu to display MENU . (1 21) Touch . f About guide display MENU After touching , touching the submenus and items will cause function descriptions and settings confirmation messages to appear. ≥ After the messages have been displayed, the guide display is cancelled. 2 Touch the top menu A. 3 Touch the submenu B. ≥ Next (previous) page is displayed by touching / . 4 5 Touch the desired item to enter the setting.

Touch [EXIT] to exit the menu setting. - 32 - Basic Using the Setup Menu [DISPLAY] Set the display method for the screen information display. MENU : [SETUP] # [DISPLAY] # desired setting Information is displayed on the screen for 5 seconds after starting the Motion Picture Recording Mode or Still Picture Recording Mode, starting to playback, or touching the screen. Constantly displayed. [5 SECONDS]: [ON]: [CLOCK SET] Please refer to page 22. [SET WORLD TIME] It is possible to display and record the time at the travel destination by selecting your home region and the travel destination. 1 Select the menu. MENU : [SETUP] # [SET WORLD TIME] ≥ If the clock is not set, adjust the clock to the current time. (1 22) ≥ When the [HOME] (your home region) is not set, the message appears. Touch [ENTER] and proceed to Step 3.

2 (Only when setting your home region) Touch [HOME]. ≥ Touch [ENTER]. 3 (Only when setting your home region) Touch / to select your home region and touch [ENTER]. □ ≥ Touch [SUMMER TIME SET] to set daylight saving time. is displayed and the summer time setting is turned on, the time difference between the current time and GMT A The current time will be set forward by 1 hour.

Touch [SUMMER B The time difference from GMT TIME SET] again to return to the normal time (Greenwich Mean Time) setting. If you set [Link Clock to Summertime] to [ON], the current time will also be set forward by 1 hour. (1 34) - 33 - 4 (Only when setting the region of your travel destination) Touch [DESTINATION]. ≥ Touch [ENTER]. ≥ When the home region is set for the first time, the screen for selecting home/travel destination appears after setting the home region successively.

If the home region has already been set once, execute the menu operation for Step 1. 5 (Only when setting the region of your travel destination) □ Touch / to select your travel destination and touch [ENTER]. ≥ Touch [SUMMER TIME SET] to set daylight saving time. is displayed and the summer time setting is turned on, the time C The local time at the selected difference between the travel destination and travel destination the home region will be set forward by 1 hour. D The time difference between the Touch [SUMMER TIME SET] again to return to travel destination and the home the normal time setting. region If you set [Link Clock to Summertime] to [ON], the time at the travel destination will also be set forward by 1 hour. ≥ Close the setting by touching [EXIT]. appears and the time of the travel destination is indicated. □ To return the display to the home setting Set the home region using Steps 1 to 3, and close the setting by touching [EXIT]. ≥ If you cannot find your travel destination in the area shown on the screen, set it by using the time difference from your home region.

[Link Clock to Summertime] If you set this function to [ON] and turn on the summer time setting in [SET WORLD TIME], the following times will be set forward by 1 hour: j When setting your home region: The current time j When setting the region of your travel destination: The time at the travel destination MENU : [SETUP] # [Link Clock to Summertime] # desired display The times are adjusted when the summer time setting is turned on.



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The times are not adjusted when the summer time setting is turned on. [ON]: [OFF]: - 34 - [DATE/TIME] It is possible to change the date and time display mode. MENU : [SETUP] # [DATE/TIME] # desired display [DATE]/[D/T]/[OFF] ≥ The date and time are not displayed while the recording mode switching icon is displayed. (1 19) ≥ When the Touch Shutter is enabled, the recording mode switching icon is constantly displayed. This causes the date and time to disappear from the screen. [DATE FORMAT] It is possible to change the date format. MENU : [SETUP] # [DATE FORMAT] # desired setting [Y/M/D]/[M/D/Y]/[D/M/Y] [ZOOM/REC DISPLAY] You can set the display method of the zoom button icons (T / W) and recording button icon (MENU). : [SETUP] # [ZOOM/REC DISPLAY] # desired setting Constantly displayed. Icons will disappear after approx.

5 seconds without any touch operation. [ON]: [OFF]: [O.I.S. LOCK DISPLAY] Please refer to page 68.

[EXT. DISPLAY] Please refer to page 120. - 35 - [ECONOMY (BATT)] When about 5 minutes have passed without any operation, this unit automatically turns off to save battery life. MENU : [SETUP] # [ECONOMY (BATT)] # [ON] ≥ This unit will not automatically turn off even if [ECONOMY (BATT)] is set to [ON] in following cases: j Using the AC adaptor* j Using the USB cable for PC etc. j PRE-REC is used j During slide show playback j HC-W850 / HC-W858 / HC-W850M / HC-V750 / HC-V757 / HC-V750M Using the Wi-Fi function * When [ECONOMY (AC)] is activated, this unit automatically turns off. [ECONOMY (AC)] When about 30 minutes have passed without any operation while connecting AC adaptor with this unit, this unit automatically turns off.

MENU : [SETUP] # [ECONOMY (AC)] # [ON] ≥ This unit will not automatically turn off even if [ECONOMY (AC)] is set to [ON] in following cases: j Using the USB cable for PC etc. j PRE-REC is used j During slide show playback j HC-W850 / HC-W858 / HC-W850M / HC-V750 / HC-V757 / HC-V750M Using the Wi-Fi function [QUICK POWER ON] The unit is put into recording pause approx. 1 second when the unit is turned on. MENU : [SETUP] # [QUICK POWER ON] # [ON] ≥ Depending on the recording conditions, start time may be longer than 1 second. ≥ In the Quick Power On Mode, the zoom magnification becomes approx. 1k. - 36 - [QUICK START] This unit is put into recording pause approx. 0.6 seconds after the LCD monitor is reopened.

≥ When in Quick Start Standby Mode about 50% of the power used in recording pause mode is being consumed, so the recording time will be reduced. ≥ HC-W850 / HC-W858 / HC-V750 / HC-V757 / HC-V730 Quick Start will not work if there is no SD card inserted. ≥ HC-W850M / HC-V750M Quick Start will not work if the [SD CARD] is selected in the [MEDIA SELECT], even if there is no SD card inserted. 1 Select the menu. MENU : [SETUP] # [QUICK START] # [ON] 2 Close the LCD monitor. □ The status indicator A flashes green and the unit goes into Quick Start Standby Mode. ≥ The lens cover does not close. 3 Open the LCD monitor. □ The status indicator A lights red and the unit is put into recording pause. ≥ About 5 minutes have passed, the Quick Start Standby Mode is cancelled, and the unit is turned off.

≥ Depending on the recording conditions and menu settings, time for Quick Start may be longer than 0.6 seconds. ≥ It may take some time for Automatic White Balance to adjust. ≥ In the Quick Start Mode, the zoom magnification becomes approx. 1k.

≥ When it has gone into Quick Start Standby Mode automatically with the [ECONOMY (BATT)] (1 36)/[ECONOMY (AC)] (1 36), close the LCD monitor once and open it again. ≥ Turn the unit off using the power button. - 37 - [ALERT SOUND] Touch screen operation, starting and stopping of recording and unit on/off can be confirmed with this sound. When [OFF] is selected, the sound is not output at the start/end of recording, etc. MENU : [SETUP] # [ALERT SOUND] # desired setting (Volume high)/[OFF] (Volume low)/ 2 Beeps for 4 times When an error occurs, follow the instructions displayed on the screen. (1 205) [SELECT OPERATION ICONS] You can change the operation icons (1 70) to display in the Touch Menu. Register 3 favourite operation icons. ≥ The default settings are as follows: Motion Picture Recording Mode Still Picture Recording Mode (Built-in flash) (Self-timer) (Backlight Compensation) (Built-in flash) (Self-timer) (Backlight Compensation) HC-W850 / HC-W858 / HC-W850M (PRE-REC) (Video light) (Night Mode) HC-V750 / HC-V757 / HC-V750M / HC-V730 (Fade) (PRE-REC) (Video light) 1 Select the menu. MENU : [SETUP] # [SELECT OPERATION ICONS] 2 3 4 Touch the operation icon you would like to change to cancel the setting. Touch the operation icon to be set. Touch [ENTER]. ≥ Name of the function is displayed by touching and holding on the operation icon. ≥ To cancel, touch the operation icon again. - 38 - [POWER LCD] This makes it easier to view the LCD monitor in bright places including outdoors. MENU : [SETUP] # [POWER LCD] # desired setting +1 (Makes brighter)/ 0 (Normal)/ -1 (Makes less bright) ≥ These settings will not affect the images actually recorded.

≥ When the AC adaptor is in use, the LCD monitor is set to +1 automatically. ≥ Recordable time with the battery is shortened when the LCD is made brighter. ≥ When the video light is set to ([ON]) or ([AUTO]) and it is lit, it cannot be set. [LCD SET] It adjusts brightness and colour density on the LCD monitor. ≥ These settings will not affect the images actually recorded. 1 Select the menu. MENU : [SETUP] # [LCD SET] # desired setting Brightness of the LCD monitor Colour level of the LCD monitor [BRIGHTNESS]: [COLOUR]: 2 3 Touch / to adjust settings. Touch [ENTER]. ≥ Touch [EXIT] to exit the menu screen. [HDMI RESOLUTION] Please refer to page 121.

[VIERA Link] Please refer to page 122. [TV ASPECT] Please refer to page 120. - 39 - [INITIAL SET] Set to [YES] for changing the menu settings back to the default condition. MENU : [SETUP] # [INITIAL SET] ≥ Settings for [MEDIA SELECT]*, [CLOCK SET] and [LANGUAGE] will not be changed. * For users who have HC-W850 / HC-W858 / HC-V750 / HC-V757 / HC-V730, this menu is not displayed.

≥ If you restore the default settings, this unit will switch to the Motion Picture Recording Mode. HC-W850 / HC-W858 / HC-W850M / HC-V750 / HC-V757 / HC-V750M [Reset Wi-Fi Settings] Set to [YES] for changing the Wi-Fi settings back to the default condition. MENU : [SETUP] # [Reset Wi-Fi Settings] ≥ The "LUMIX CLUB" Login ID and Wi-Fi Password are also deleted. HC-W850 / HC-W858 / HC-W850M / HC-V750 / HC-V757 / HC-V750M [DELETE USER BGM] You can delete the music (1 95, 102, 107) stored on this unit as [USER BGM]. MENU : [SETUP] # [DELETE USER BGM] [Auto Cursor Position] The entered character is confirmed in approx.

1 second after character input, and the cursor is moved to the right. It makes the input easy without moving the cursor when characters on the same key are to be entered again.



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MENU : [SETUP] # [Auto Cursor Position] # [ON] ≥ Character input screen is displayed in following conditions: j When setting [TITLE SETUP] for the Highlight Playback (1 98) j When entering a name in the Baby Calendar (1 104) j HC-W850 / HC-W858 / HC-W850M / HC-V750 / HC-V757 / HC-V750M When you configure the Wi-Fi function (1 162, 174, 175, 183, 184, 185, 186) - 40 - [NUMBER RESET] Set the file number of the MP4/iFrame and still picture recorded next to 0001. MENU : [SETUP] # [NUMBER RESET] ≥ Folder number is updated and file number will start from 0001. (1 198) ≥ To reset the folder number, format the SD card and built-in memory, and then perform [NUMBER RESET]. ≥ The file numbers of still pictures you record in Stop Motion Animation Assist Mode are not reset. [FORMAT MEDIA] Please be aware that if a medium is formatted, then all the data recorded on the medium will be erased and cannot be restored. Back up important data on a PC, DVD disc etc. (1 188) MENU : [SETUP] # [FORMAT MEDIA] # desired media [Built-inMemory]*1/[SD CARD]/[HDD]*2 *1 HC-W850M / HC-V750M only. *2 Displayed when connecting a USB HDD.

(1 127) ≥ HC-W850 / HC-W858 / HC-V750 / HC-V757 / HC-V730 Media selection screen is not displayed when the USB HDD is not connected. Touch [YES]. ≥ When formatting is complete, touch [EXIT] to exit the message screen. ≥ Perform a physical formatting of the SD card when the SD card is to be disposed/ transferred. (1 216) ≥ HC-W850M / HC-V750M Perform a physical formatting of the built-in memory when this unit is to be disposed/ transferred. (1 214) ≥ Do not turn this unit off or remove the SD card, while formatting. Do not expose the unit to vibrations or shock. Use this unit to format media. Formatting built-in memory is only available with this unit. Do not format an SD card using any other equipment such as a PC.

The card may not be used on this unit. - 41 - [MEDIA STATUS] The used space and remaining recordable time of the SD card and built-in memory can be checked. MENU : [SETUP] # [MEDIA STATUS] ≥ HC-W850M / HC-V750M Touching [CHANGE MEDIA] switches the unit between the display for the SD card and the display for the built-in memory. ≥ The remaining recordable time in the currently set Recording Mode is displayed only in the Motion Picture Recording Mode. ≥ Touch [EXIT] to close the indication.

≥ The SD card or built-in memory requires some space to store information and manage system files, so the actual usable space is slightly less than the indicated value. The usable SD card/built-in memory space is generally calculated as 1 GB=1,000,000,000 bytes. The capacities of this unit, PCs and software are expressed as 1 GB=1,024k1,024k1,024=1,073,741,824 bytes. Therefore, the indicated value of the capacity appears to be smaller. [Version Disp.]

The firmware version of this unit is displayed. MENU : [SETUP] # [Version Disp.] [Version Up] You can update the firmware version of this unit. MENU : [SETUP] # [Version Up] For the latest update information, check the support website below. (As of January 2014)

http://panasonic.jp/support/global/cs/e_cam (This Site is English only) - 42 - [DEMO MODE] This item is used to start the unit demonstration. MENU : [SETUP] # [DEMO MODE] # [ON] ≥ If [DEMO MODE] is switched to [ON] and you touch [EXIT] when there is no SD card inserted and while this unit is connected to the AC adaptor, the demonstration automatically starts. If any operation takes place, the demonstration is cancelled. However if no operations take place for approx. 10 minutes, the demonstration automatically starts again.

To stop the demonstration, set [DEMO MODE] to [OFF] or insert an SD card. ≥ When Demo Mode is in operation, the lens cover remains open. [O.I.S. DEMO] This item is used to start the Optical Image Stabilizer demo. MENU : [SETUP] # [O.I.S. DEMO] ≥ Touch [O.

I.S. DEMO], the demonstration automatically starts. When you touch [EXIT], the demonstration will be cancelled. [Eye-Fi TRANSFER] This item is displayed only when an Eye-Fi card is inserted.

Please refer to page 137. [Eye-Fi DIRECT] This item is displayed only when an Eye-Fi card is inserted. Please refer to page 138. [LANGUAGE] You can select the language on the screen display and the menu screen. MENU : [SETUP] # [LANGUAGE] # desired language - 43 - Advanced (Recording) Using the zoom Zoom lever/Zoom button icons T side: Close-up recording (zoom in) W side: Wide-angle recording (zoom out) T W T W 6 □ W T □ A Zoom bar ≥ Maximum zoom ratio for recording motion pictures can be set with [ZOOM MODE].

(1 76) ∫ About the zoom bar The zoom bar is displayed during the zoom operation. W □ □ T B C Optical Zoom Motion Picture Recording Mode: i.Zoom/Digital zoom (Blue) Still Picture Recording Mode: Extra Optical Zoom (Blue) ∫ About the zoom speed ≥ The zoom speed varies depending on the range over which the zoom lever is moved. ≥ The zoom operation using the zoom button icons will be performed at a constant speed respectively. Zoom ratio during the Still Picture Recording Mode The zoom ratio can be expanded up to 50k without degrading the picture quality for the Still Picture Recording Mode. (Extra Optical Zoom) ≥ Extra Optical Zoom ratio varies depending on the setting of [PICTURE SIZE] and [ASPECT RATIO]. (1 86, 87) ≥ If you take your finger off the zoom lever during zoom operation, the operation sound may be recorded. When returning the zoom lever to the original position, move it quietly. ≥ When the zoom magnification is at its maximum, the subjects are focused at about 1.5 m or more.

≥ When the zoom magnification is 1k, this unit can focus on a subject approx. 3 cm away from the lens. - 44 - Advanced (Recording) Level Shot Function This function detects the horizontal tilt of the unit, and automatically corrects it to the level position. (When setting (Normal)) (When setting (Strong)) : With Level Shot Function : Without Level Shot Function Level Shot Function button Each press of this button switches Level Shot Function. (Normal) # (Strong) # Off (Normal): Corrects the tilt. (Strong): Strengthen tilt correction. Off: Cancel the setting. ≥ The icon changes when the tilt exceeds the correction range. / / / / When the tilt is corrected When the tilt is above the correction range / is ≥ When the tilt exceeds the correction range, move the unit to the position where displayed. ≥ This function's default setting is (Normal).

≥ The range that this icon can be displayed correctly the slope is about 45 o to the horizontal direction. ≥ Level Shot Function is cancelled when [LEVEL GAUGE] is set to [ON]. (1 79) ≥ When recording horizontal images using a tripod, attach the unit on the tripod using [LEVEL GAUGE] (1 79), and then set Level Shot Function to (Normal) or (Strong) before use. ≥ When you switch the setting of the Level Shot Function, the screen may become black momentarily. ≥ If you set the option to (Strong), the angle of view will change.



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- 45 - Advanced (Recording) Recording with the Sub Camera (Twin Camera) [HC-W850]/[HC-W858]/[HC-W850M] Using the Sub Camera and the Main Camera, you can record two images simultaneously. (Twin Camera) Use the Sub Camera to enjoy recording yourself, a family member next to you or scenery different from that seen from the Main Camera. □ A Recording a family member next to you Recording scenery Sub Camera Recording yourself □ B Sub Window ≥ The image of the Sub Camera is displayed on the Sub Window. ≥ Recording only with the Sub Camera is not possible. ≥ Images recorded with the Main Camera and the Sub Camera will be recorded as a single scene or still picture.

When you play them back, you cannot delete just the image recorded with the Sub Camera or hide it. ≥ The minimum focus distance of the Sub Camera is approximately 30 cm. 1 Rotate the Sub Camera. ≥ When you rotate the Sub camera from a position in the range C (0e to approximately 30e) to a position in the range D (approximately 30e to 270e), the Sub Window is displayed on the LCD monitor. ≥ If the Sub Window does not appear, touch to display it. □ □ 2 Start recording. ≥ Rotate the Sub Camera to the desired position. ≥ The Sub Camera works in Auto Focus, which adjusts focus automatically. ≥ Normally, hold this unit as shown in the illustration when recording. - 46 - ∫ Displaying or hiding the Sub Window Touch .

≥ Each time you touch the icon, you can display or hide the Sub Window. ≥ When the Sub Window is hidden, the image of the Sub Camera will not be recorded. To exit the Twin Camera function Rotate the Sub Camera to a position in the range C (0e to approximately 30e). ≥ The Sub Camera is turned on as long as is displayed. ≥ Depending on recording conditions, the colour balance, brightness and other settings may differ between the Main Camera and the Sub Camera. ≥ The following functions do not work when the Sub Window is displayed: j Touch Shutter j Night Portrait in Intelligent Auto/Intelligent Auto Plus/Scene Mode j Creative Control j [FACE FRAMING] j AF/AE tracking j Optical Image Stabilizer Lock j Built-in flash j [AF ASSIST LAMP] ≥ Recording menu items, operation icons, and functions such as Image Stabilizer, Level Shot Function, [QUICK POWER ON] and [QUICK START] work only for the Main Camera. For images from the Sub Camera, only the colour balance, brightness and focus settings work. (1 49) ≥ When you record still pictures by using the Twin Camera function, it may take longer than usual to achieve focus. (1 27) ≥ The Sub Camera does not work when you are using the following functions: j Stop Motion Animation Assist Mode j FULL HD Slow Motion Video Mode - 47 - Changing and adjusting the settings of the Sub Camera and the Sub Window ∫ Changing the size of the Sub Window Select the menu. MENU : [RECORD SETUP] # [SUB WINDOW SIZE] # [Large]* or [Small] * You can select this item only if you enable either of the following: j Motion Picture Recording Mode j [16:9] in [ASPECT RATIO] in Still Picture Recording Mode ≥ In Motion Picture Recording Mode, the aspect ratio for the Sub Window is the same as the [REC MODE] setting; in Still Picture Recording Mode, the aspect ratio is the same as the [ASPECT RATIO] setting.

∫ Changing the display position of the Sub Window 1 2 Touch Sub Window. Touch the display position you want to change. ≥ Depending on the display position of the Sub Window, the positions of the icons displayed on the screen may change. ≥ You can also change the display position by touching and holding the Sub Window and then sliding it. - 48 - ∫ Setting and adjusting the colour balance, brightness, and focus 1 2 3 Touch Sub Window.

Touch . Touch the icon you want to set or adjust. (Brightness)/[FOCUS] (Focus)* [WB] (Colour balance)/ * In Motion Picture Recording Mode only 4 (When [WB] is touched) Touch AWB / to select White Balance Mode. (Sunny mode)/ (Cloudy mode)/ (Automatic White Balance adjustment)/ (Indoor mode 2) (Indoor mode 1)/ (When is touched) Touch / to adjust settings. (When [FOCUS] is touched) Touch [AF] or [AFS].

≥ The centre of the Sub Window will be focused. [AF] (Auto Focus): [AFS] (Auto Focus Single): ≥ If you select [AFS], Auto Focus works continuously. Auto Focus works each time you touch [AFS]. will be constantly displayed on the recording screen. ≥ To return to auto setting, change the Recording Mode to the Intelligent Auto Mode. (1 50) - 49 - Advanced (Recording) Changing the Recording Mode 1 Touch the Recording Mode button icon. MENU 2 Touch the desired Recording Mode button icon. Mode Intelligent Auto Effect You can switch the mode to the Intelligent Auto Mode, which optimises settings to the recording environment you are in. (1 51) You can add manually-adjusted brightness and colour balance settings to the Intelligent Auto Mode, and record. (1 53) You can record motion pictures with added effects.

(1 53) This option allows this unit to automatically adjust the shutter speed and aperture, etc. according to the scene you want to record. (1 57) You can set the shutter speed, focus, White Balance, and brightness (iris/gain). (1 61) You can record slow motion pictures. (1 58) You can set a recorded still picture as the background, and record the next picture while looking at that recorded picture as the background. (1 60) Intelligent Auto Plus *1 Creative Control Scene Mode MNL *1 Manual FULL HD Slow Motion Video Stop Motion Animation Assist *2 *1 *2 In Motion Picture Recording Mode only In Still Picture Recording Mode only - 50 - Intelligent Auto The following modes (appropriate for the condition) are set just by pointing the unit to what you want to record. Mode Portrait Scenery *1 *1 *2 Effect Faces are detected and focused automatically, and the brightness is adjusted so it is recorded clearly. The whole landscape will be recorded vividly without whitening out the background sky, which may be very bright. Very bright object is recorded clearly. It can record very clearly even in a dark room or twilight.

A subject and the background are recorded with near real-life brightness. You can record night scenery vividly by slowing the shutter speed. This allows recording at very close proximity to the object of recording. In modes other than those described above, the contrast is adjusted to give a clear picture.

Spotlight Low Light Night Portrait Night Scenery Macro Normal Normal *2 *2 *1 *2 *1 *2 In Motion Picture Recording Mode only In Still Picture Recording Mode only ≥ Depending on the recording conditions, the unit may not enter the desired mode.

≥ In the Portrait, Spotlight, or Low Light Mode, the face will be surrounded by a white frame when detected. In the Portrait Mode, a subject that is bigger and close to centre of the screen will be surrounded by an orange frame. (1 78) ≥ Using a tripod is recommended in Night Portrait and Night Scenery Mode. ≥ Faces cannot be detected depending on the recording conditions, such as when faces are of certain sizes or at certain tilts or when digital zoom is used.



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- 51 - Intelligent Auto Mode When switching to Intelligent Auto Mode, the Automatic White Balance and Auto Focus operate and automatically adjust the colour balance and focusing.

Depending on the brightness of the subject etc., the aperture and shutter speed are automatically adjusted for an optimum brightness. ≥ HC-W850 / HC-W858 / HC-W850M The information on this page applies only to the Main Camera. ≥ Colour balance and focus may not be adjusted automatically depending on light sources or scenes. If so, manually adjust these settings. (1 62, 64) Automatic White Balance The illustration shows the range over which Automatic White Balance functions. 1) The effective range of Automatic White Balance adjustment 10 000K 9 000K on this unit 8 000K 2) Blue sky 7 000K 3) Cloudy sky (rain) 6 000K 4) Sunlight 5 000K 5) White fluorescent lamp 1) 6) Halogen light bulb 4 000K 7) Incandescent light bulb 3 000K 8) Sunrise or sunset 9) Candlelight If the Automatic White Balance is not functioning normally, adjust the White Balance manually. (1 62) 2 000K 2) 3) 4) 5) 6) 7) 8) 9) Auto Focus The unit focuses automatically. ≥ Auto Focus does not work correctly in the following situations. Record pictures in the Manual Focus Mode.

(1 64) j Recording distant and close-up objects at the same time j Recording a subject behind dirty or dusty window j Recording a subject that is surrounded by objects with glossy surfaces or by highly reflective objects - 52 - Intelligent Auto Plus Please refer to page 51 for details about the effect of each mode. (Portrait) / (Scenery) / (Spotlight) *1 / (Night Portrait) *2 / (Night Scenery) *2 / In Motion Picture Recording Mode only In Still Picture Recording Mode only . (1 50) (Low Light) *1 / (Macro) *2 / (Normal) *1 / (Normal) *2 *1 *2 ≥ Change the Recording Mode to 1 (When adjusting the brightness) Touch Touch . . (When adjusting the colour balance) ≥ R side: Sets the balance to a reddish tone. B side: Sets the balance to a bluish tone. ≥ Except for when adjusting the brightness or colour balance, if you do not touch the screen for a while, the Touch Menu will disappear. To display it again, touch . 2 3 Touch / to adjust settings. while adjusting the colour balance to ≥ Touch while adjusting the brightness, or touch make the display of the adjustment bar disappear. Start recording. Creative Control ≥ Set [REC FORMAT] to [AVCHD]. (1 77) ≥ Change the Recording Mode to . (1 50) Select the desired Creative Control Mode, then touch [Enter]. Mode [Miniature Effect] Effect You can record motion pictures with a diorama effect like recording a miniature by intentionally creating focused area and out of focused area in the peripheral of the image and recording motion picture with an interval.

(1 54) ≥ Motion pictures recorded with this function will look as if the frame rate is low. You can record motion pictures with a faded retro effect. (1 55) You can record motion pictures that are similar to black-and-white silent films by lowering the amount of incoming light. (1 55) You can record a scene that moves slowly over a long period of time as a short time motion picture by recording one frame at each set time lapse. (1 56) [8mm movie] [Silent movie] [Time Lapse Rec] ≥ Still pictures cannot be taken.

- 53 - MINI [Miniature Effect] 1 Touch to adjust the horizontal position of the in-focus portion. ≥ If you touch the screen, you can adjust the horizontal position of the in-focus portion. ≥ When no touch operations are performed for approximately 1 second, [Reset], [SIZE], and [ENTER] are displayed. If you touch the screen, you can readjust the horizontal position of the in-focus portion. ≥ Position of the in-focus portion will return to original position when you touch [Reset]. 2 Touch [SIZE]. ≥ The size of the in-focus portion is switched every time you touch [SIZE]. Medium size # Large size # Small size ≥ If you touch the screen, you can adjust the horizontal position of the in-focus portion. ≥ If you touch [Reset], the in-focus portion is reset to the original position and [SIZE] is reset to the medium size. 3 4 Touch [ENTER].

(When adjusting the brightness) Touch . ≥ The level of brightness is switched every time you touch the icon. (Standard) # (Bright) # (Dark) 5 (When adjusting the vividness) Touch 6 . ≥ The level of vividness is switched every time you touch the icon. (Standard) # (Vivid) # (Most vivid) Start recording. ≥ It will record with an interval. 1 second will be recorded for approximately every 6 seconds of recording. ≥ To make the Miniature Effect easier to gain, record objects incorporating a distant view or those that can provide depth or a skewed perspective. Also, use a tripod and avoid zooming. ≥ You may see a lot of noise in the in-focus portion when recording dark subjects such as night scenes.

≥ Audio cannot be recorded. ≥ [REC MODE] is set to [HA]. ≥ The maximum recordable time is 12 hours. ≥ Motion pictures recorded with this function will look as if the frame rate is low. ≥ HC-W850M / HC-V750M Setting Miniature Effect will set [RELAY REC] to [OFF].

(1 78) - 54 - 8mm [8mm movie] . 1 (When adjusting the brightness) Touch ≥ The level of brightness is switched every time you touch the icon. (Standard) # (Bright) # (Dark) 2 (When adjusting the colour balance) Touch 3 . ≥ The level of colour balance is switched every time you touch the icon. (Blue) # (Red) # (Yellow) Start recording.

≥ The sound is monaural. SILN [Silent movie] . 1 (When adjusting the brightness) Touch 2 ≥ The level of brightness is switched every time you touch the icon. (Standard) # (Bright) # (Dark) Start recording. ≥ Audio cannot be recorded. - 55 - INTV [Time Lapse Rec] Touch the desired setup time. [1 SECOND] / [10 SECONDS] / [30 SECONDS] / [1 MINUTE] / [2 MINUTES] ≥ Touch [ENTER]. ≥ A frame is recorded with a set recording interval. 25 frames will make up a motion picture of 1 second. Setup example Sunset Blooming Setup time (recording interval) 1s 30s Recording time 1h 3h Recorded time 2 min 12 s ≥ "h" is an abbreviation for hour, "min" for minute and "s" for second.

≥ These times are approximations. ≥ Maximum recordable time is 12 hours. Audio cannot be recorded. [REC MODE] is set to [HA]. The shortest motion picture recording time is 1 second. The colour balance and focus may not be adjusted automatically depending on the light source or scene. If so, manually adjust those settings. (1 62, 64) ≥ HC-W850M / HC-V750M Setting Time Lapse Recording will set [RELAY REC] to [OFF]. (1 78) ≥ When recording for a long time, we recommend recording with the AC adaptor connected. ≥ ≥ ≥ - 56 - Scene Mode ≥ Change the Recording Mode to .

(1 50) Touch the desired Scene Mode. Mode 5Sports: Portrait: Soft Skin: Spotlight: Snow: Beach: Sunset: Scenery: Fireworks: Night Scenery: Low Light: Night Portrait: ≥ Touch [ENTER]. ≥ (Sports/Portrait/Soft Skin/Spotlight/Snow/Beach/Sunset/Scenery) j The shutter speed is 1/6 or more in Still Picture Recording Mode.



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