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You can read the recommendations in the user guide, the technical guide or the installation guide for SONY ALPHA 7. You'll find the answers to all your questions on the SONY ALPHA 7 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual SONY ALPHA 7
User guide SONY ALPHA 7
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Instruction manual SONY ALPHA 7



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Manual abstract:

ⓂⓂⓂⓂⓂⓂ Do not crush and do not expose the battery pack to any shock or force such as hammering, dropping or stepping on it. Do not short circuit and do not allow metal objects to come into contact with the battery terminals. Do not expose to high temperature above 60°C (140°F) such as in direct sunlight or in a car parked in the sun. Be sure to charge the battery pack using a genuine Sony battery charger or a device that can charge the battery pack.

Keep the battery pack out of the reach of small children. Keep the battery pack dry. Replace only with the same or equivalent type recommended by Sony. Dispose of used battery packs promptly as described in the instructions. AC Adaptor Use the nearby wall outlet (wall socket) when using the AC Adaptor. Disconnect the AC Adaptor from the wall outlet (wall socket) immediately if any malfunction occurs while using the apparatus.

WARNING To reduce fire or shock hazard, do not expose the unit to rain or moisture. **IMPORTANT SAFETY INSTRUCTIONS -SAVE THESE INSTRUCTIONS DANGER TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS GB 2** The power cord (mains lead), if supplied, is designed specifically for use with this camera only, and should not be used with other electrical equipment. For Customers in the U. You can help preserve our environment by returning your used rechargeable batteries to the collection and recycling location nearest you. For more information regarding recycling of rechargeable batteries, call toll free 1-800-822-8837, or visit <http://www>.

Battery pack and lens (if lens supplied) This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. **CAN ICES-3 B/NMB-3 B** This equipment complies with FCC/IC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines in Supplement C to OET65 and RSS-102 of the IC radio frequency (RF) Exposure rules. This equipment has very low levels of RF energy that are deemed to comply without testing of specific absorption radio (SAR). For Customers in the U.

The UL Mark on the product means it has been UL Listed. **GB** If you have any questions about this product, you may call: Sony Customer Information Center 1-800-222-SONY (7669). The number below is for the FCC related matters only. : 858-942-2230 This device complies with Part15 of the FCC Rules.

Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. : 858-942-2230 This device complies with Part15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. This equipment must not be co-located or operated in conjunction with any other antenna or transmitter.

CAUTION You are cautioned that any changes or modifications not expressly approved in this manual could void your authority to operate this equipment.

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. The supplied interface cable must be used with the equipment in order to comply with the limits for a digital device pursuant to Subpart B of Part 15 of FCC Rules. For Customers in Canada This device complies with Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

GB 4 For Customers in Europe Notice for the customers in the countries applying EU Directives Manufacturer: Sony Corporation, 1-7-1 Konan Minato-ku Tokyo, 108-0075 Japan. For EU product compliance: Sony Deutschland GmbH, Hedelfinger Strasse 61, 70327 Stuttgart, Germany Hereby, Sony Corporation, declares that this WW328261/WW328262 Interchangeable Lens Digital Camera is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC. For details, please access the following URL: <http://www>. De/ Notice If static electricity or electromagnetism causes data transfer to discontinue midway (fail), restart the application or disconnect and connect the communication cable (USB, etc.) again.

This product has been tested and found compliant with the limits set out in the EMC regulation for using connection cables shorter than 3 meters (9. 8 feet).

The electromagnetic fields at the specific frequencies may influence the picture and sound of this unit. Disposal of Old Electrical & Electronic Equipment (Applicable in the European Union and other European countries with separate collection systems) This symbol on the product or on its packaging indicates that this product shall not be treated as household waste. Instead it shall be handed over to the applicable collection point for the recycling of electrical and electronic equipment.

By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health, which could otherwise be caused by inappropriate waste handling of this product. the recycling of materials will help to conserve natural resources. For more detailed information about recycling of this product, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product. Disposal of waste batteries (applicable in the European Union and other European countries with separate collection systems) This symbol on the battery or on the packaging indicates that the battery provided with this product shall not be treated as household waste.



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On certain batteries this symbol might be used in combination with a chemical symbol. The chemical symbols for mercury (Hg) or lead (Pb) are added if the battery contains more than 0. GB 5 By ensuring these batteries are disposed of correctly, you will help prevent potentially negative consequences for the environment and human health which could otherwise be caused by inappropriate waste handling of the battery. The recycling of the materials will help to conserve natural resources. In case of products that for safety, performance or data integrity reasons require a permanent connection with an incorporated battery, this battery should be replaced by qualified service staff only. To ensure that the battery will be treated properly, hand over the product at end-of-life to the applicable collection point for the recycling of electrical and electronic equipment.

For all other batteries, please view the section on how to remove the battery from the product safely. Hand the battery over to the applicable collection point for the recycling of waste batteries. For more detailed information about recycling of this product or battery, please contact your local Civic Office, your household waste disposal service or the shop where you purchased the product. For Customers in Singapore For customers who purchased their camera from a store in Japan that caters to tourists Note Some certification marks for standards supported by the camera can be confirmed on the screen of the camera. select MENU t (Setup) 6 t [Certification Logo]. If display is not possible due to problems such as camera failure, contact your Sony dealer or local authorized Sony service facility. For details on Wi-Fi functions, see the flyer "Wi-Fi Connection/One-touch (NFC) Guide." This manual covers several models. The available model varies depending on the countries/regions. Model name ILCE-7 ILCE-7K ILCE-7R GB Lens Not supplied Supplied Not supplied 6 Before use

Notes on using your camera Screen language You can select the language displayed on the screen using the menu.

Shooting with an E-mount lens compatible APS-C size This camera is equipped with a 35 mm, full-frame CMOS sensor. However, the image size is automatically set to that of the APS-C size setting and the image size is smaller when an E-mount lens compatible APS-C size is used (default settings).

Shooting procedure This camera has 2 modes for monitoring subjects: the LCD screen mode using the LCD screen, and the viewfinder mode using the viewfinder. Functions built into this camera • This manual describes 1080 60i-compatible devices and 1080 50i-compatible devices. To check whether your camera is a 1080 60i-compatible device or 1080 50i-compatible device, check for the following marks on the bottom of the camera.

1080 60i-compatible device: 60i 1080 50i-compatible device: 50i • This camera is compatible with 1080 60p or 50p-format movies. Unlike standard recording modes up to now, which record in an interlacing method, this camera records using a progressive method. This increases the resolution, and provides a smoother, more realistic image. No compensation for damaged content or recording failure Sony cannot compensate for failure to record or loss or damage of recorded GB content due to a malfunction of the camera or recording media, etc. Back up recommendation To avoid the data loss, always copy (back up) data to other media.

Notes on the LCD screen, electronic viewfinder, lens, and image sensor • The LCD screen and electronic viewfinder are manufactured using extremely high-precision technology so over 99.99% of the pixels are operational for effective use. However, there may be some tiny black points and/or bright points (white, red, blue or green in color) that constantly appear on the LCD screen and electronic viewfinder. These points are normal in the manufacturing process and do not affect the images in any way. □ Do not hold the camera by the LCD screen. □ When using the power zoom lens, be careful not to draw your fingers or any other objects caught in the lens. □ Do not expose the camera to sunlight or shoot sunward for a long time. The internal mechanism may be damaged. if sunlight is focused on a nearby object, it may cause a fire. GB Creating an image database file If you insert a memory card that does not contain an image database file into the camera and turn on the power, the camera automatically creates an image database file using some of the memory card's capacity.

The process may take a long time and you t [Airplane Mode] t [On]. If you set [Airplane Mode] to [On], an (airplane) mark will be displayed on the screen.

Notes on wireless LAN If your camera is lost or stolen, Sony bears no responsibility for the loss or damage caused by illegal access or use of the registered access point on the camera. GB 9 Before use Checking the supplied items The number in parentheses indicates the number of pieces. □ Camera (1) • AC Adaptor AC-UB10C/UB10D (1) • Body cap (1) (Attached on the camera) • Power cord (mains lead) (1)* (not supplied in the U. And Canada) • Shoe cap (1) (Attached on the camera) • Eyepiece Cup (1) (Attached on the camera) • Instruction Manual (1) (this manual) ILCE-7K: * Multiple power cords may be supplied with your camera. Use the appropriate one that matches your country/region. 6 OSS (1)/Front lens cap (1)/Rear lens cap (1)/Lens hood (1) • Rechargeable battery pack NPFWS0 (1) • Micro USB cable (1) • Shoulder strap (1) For how to attach the shoulder strap to the camera, refer to page 15. GB 10 Identifying parts See the pages in parentheses for details on operation for the parts. Front side GB When the lens is removed G Image sensor*2 H Mount I Contacts*2 *1 Do not cover this part during movie recording.

Doing so may cause noise or lower the volume. *2 Do not directly touch these parts. A AF illuminator/Self-timer lamp B Front dial C Remote sensor D Lens release button E Built-in microphone*1 F Mount index GB 11 Identifying parts Rear side A Eyepiece cup B Viewfinder C MENU button (25) D Eyepiece sensors E LCD screen F Diopter-adjustment dial • Adjust the diopter-adjustment dial to your eyesight until the display appears clearly in the viewfinder. □ You can adjust the LCD screen to an easily viewable angle and shoot from any position. G For shooting: C2 (Custom2) button For viewing: button I Rear dial (Enlarge) H AF/MF/AEL switch lever GB 12 Identifying parts J For shooting: AF/MF (Auto focus/manual focus) button/AEL button For viewing: (Image index) button K MOVIE button (41) L For shooting: Fn button (24) For viewing: (Send to Smartphone) button M Control wheel N For shooting: C3 (Custom3) GB button For viewing: (43) O Access lamp P (Delete) button (Playback) button GB 13 Identifying parts Top side/Side view A Speaker B F Multi terminal Image sensor position mark • When an external microphone is connected, the microphone is turned on automatically.



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If the external microphone is a plugin-power type, the power of the microphone is supplied by the camera. • Supports Micro USB compatible device. G HDMI micro jack H Multi interface shoe* C m (Microphone) jack D i (Headphones) jack E Charge lamp • Some of the accessories may not be inserted fully and protrude backward from the Multi interface shoe. However, when the accessory reaches the front end of the shoe, the connection is completed. I Mode dial (44) J Power switch/Shutter button K C1 (Custom 1) button GB 14 Identifying parts L Exposure compensation dial M Hooks for shoulder strap P Memory card slot * For details on compatible accessories of the Multi interface shoe, visit the Sony web site in your area, or consult your Sony dealer or local authorized Sony service facility.

Accessories for the Accessory Shoe can also be used. Operations with other manufactures' accessories are not guaranteed. □ Attach both ends of the strap onto the camera. GB N (N mark) • This mark indicates the touch point for connecting the camera and an NFC-enabled Smartphone. For details on the location of the N mark on your Smartphone, refer to the operating instructions of the Smartphone. • NFC (Near Field Communication) is an international standard of shortrange wireless communication technology. O Memory card cover GB 15 Identifying parts Bottom view A Battery insertion slot (27) B Battery cover (27) C Tripod socket hole Connection plate cover Use this when using an AC-PW20 AC Adaptor (sold separately). Insert the connection plate into the battery compartment, and then pass the cord through the connection plate cover as shown below. □ Use a tripod with a screw less than 5.5 mm (7/32 inches) long.

Otherwise, you cannot firmly secure the camera, and damage to the camera may occur. □ Make sure that the cord is not pinched when you close the cover. 6 OSS (Supplied with ILCE-7K) GB A Focusing ring B Zoom ring C Focal-length scale D Focal-length index E Lens contacts* F Mount index * Do not touch this part directly. GB 17 List of icons on the screen The status of the LCD screen is set to [Display All Info.] in the default settings. When you change [DISP Button] setting, and then if you press DISP on the control wheel, the screen status will change to "For viewfinder" mode. You can also display the histogram by pressing DISP. For the LCD screen mode For playback (Basic information display) For the viewfinder mode In Auto Mode or Scene Selection mode P/A/S/M/Sweep Panorama mode GB 18 List of icons on the screen A Display P P* A SM Indication Shooting mode (44) Display Indication Image quality of still images Frame rate of movies Image size of movies Register number (44) Scene Recognition icons Remaining battery (31) Remaining battery warning Flash charge in progress APS-C Size Capture Setting Effect OFF AF Illuminator NFC is activated GB Memory card (32)/ Upload 100 Remaining number of recordable images Aspect ratio of still images Airplane Mode No audio recording of movies Wind Noise Reduction SteadyShot/Camera shake warning Overheating warning Database file full/ Database file error Smart Zoom/Clear Image Zoom/Digital Zoom Spot metering area Digital level gauge Audio level 24M 10M ILCE-7: 6. 2M GB 19 List of icons on the screen Display Indication View Mode Display Indication D-Range Optimizer/Auto HDR Creative Style/Contrast, Saturation, Sharpness 100-0003 AVCHD MP4 DPOF Folder - file number Protect Recording mode of movies DPOF set Auto Object Framing +3 +3 +3 Lock-on AF Picture Effect B Display Indication Drive mode Smile detection sensitivity indicator Flash mode/Red-eye reduction ±0.0 Flash compensation Focus mode AF area C Display z Lock on AF Indication Lock on AF guide EV scale Face Detection/Smile Shutter Metering mode AWB White balance (Auto, Preset, Custom, Color temperature, Color filter) REC 0:12 z 1/250 F3.

5 Exposure compensation/ Metered Manual Recording time of the movie (m:s) Focus Shutter speed Aperture Value 7500K A5 G5 GB 20 List of icons on the screen Display ISO400 ISO AUTO Indication ISO sensitivity AE lock Shutter speed indicator Aperture indicator Histogram Auto HDR image warning Picture Effect error 2013-1-1 10:37PM 3/7 Date of recording GB File number/Number of images in the view mode GB 21 Functions list Operating the camera How to use the control wheel • You can turn the control wheel or press up/down/left/right on the control wheel to move the selection frame. Press z in the center of the control wheel to set the selected item. In this manual, the action of pressing the up/down/left/right side of the control wheel is indicated by v/V/b/B. □ The following functions are assigned to v/b/B on the control wheel. You can also change the ISO sensitivity immediately by turning the control wheel.

Shooting/Bracket • Self-timer • You can assign a desired function to the V/b/B/z buttons and to the control wheel turning position in shooting mode. □ When you turn the control wheel or press b/B on the control wheel in playback mode, you can display the previous or next image. GB 22 Operating the camera How to use the front dial/rear dial GB You can turn the front dial or rear dial to change the settings required for each shooting mode with immediate effect. GB 23 Selecting a function using the Fn (Function) button This button is used for setting up or executing functions used frequently in shooting, except for functions from the Quick Navi screen. 1 Press the DISP on the control wheel to set the screen mode to other than [For viewfinder].

2 Press the Fn button. 3 Select the desired item using v/V/b/B on the control wheel. the setting screen appears. 4 Select the desired setting by turning the front dial, then press z on the control wheel. □ Some setting values can be finely adjusted by turning the rear dial. To set the individual settings in the dedicated screen In step 3, select a setting item and press z on the control wheel to switch to the dedicated screen for the setting item. Set the items according to the Operation guide. Operation guide GB 24 Functions that can be selected using the MENU button You can set up the basic settings for the camera as a whole, or execute functions such as shooting, playback, or other operations. 1 Press MENU button to display the menu screen. 2 Select the desired setting item using v/V/b/B on the control wheel or by turning the control wheel, and then press z on the center of the control wheel.

□ Select an icon at the top of the screen and press the b/B on the control wheel to move to another MENU item. GB 3 Select the setting value, then press z to confirm. To display the Tile Menu Allows you to select whether to always display the first screen of the menu when you press the MENU button. MENU t (Setup) 2 t [Tile Menu] t [On] GB 25 Using the In-Camera Guide You can use [Custom Key Settings] to assign In-Camera Guide to the desired button.



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The In-Camera Guide displays explanations for the currently selected menu function or setting. 1 Select MENU button t (Custom Settings) 6 t [Custom Key Settings] t desired functions assigned to the button t [In-Camera Guide]. Press the MENU button and use the control wheel to select a MENU item whose explanation you want to read, and then press the button to which [In-Camera Guide] is assigned. GB 26 Preparing the camera Charging the battery pack When using the camera for the first time, be sure to charge the NP-FW50 battery pack (supplied). The "InfoLITHIUM" battery pack can be charged even when it has not been fully depleted. It can also be used when it has not been fully charged.

The charged battery pack is discharged little by little, even when you do not use it. To avoid missing an opportunity to shoot, charge the battery pack again before you shooting. 1 Set the ON/OFF (Power) switch to OFF. GB 2 Slide the lever to open the cover. 3 Insert the battery pack completely, using the tip of the battery to press the lock lever.

Lock lever GB 27 Charging the battery pack 4 Close the cover. 5 Connect the camera to the AC Adaptor (supplied) using the micro USB cable (supplied), and connect the AC Adaptor to the wall outlet (wall socket). For customers in the USA and Canada Power cord (Mains lead) For customers in countries/regions other than the USA and Canada GB 28 Charging the battery pack The charge lamp lights orange, and charging starts. □ Turn off the camera while charging the battery. □ When the charge lamp flashes and charging is not finished, remove and reinsert the battery pack.

Charge lamp Lit: Charging Off: Charging finished Flashing: Charging error or charging paused GB temporarily because the camera is not within the proper temperature range Notes • If the charge lamp on the camera flashes when the AC Adaptor is connected to the wall outlet (wall socket), this indicates that charging is temporarily stopped because the temperature is outside the recommended range. When the temperature gets back within the appropriate range, the charging resumes. We recommend charging the battery pack in an ambient temperature of between 10°C to 30°C (50°F to 86°F). □ Connect the AC Adaptor (supplied) to the nearest wall outlet (wall socket). If malfunctions occur while using the AC Adaptor, disconnect the plug from the wall outlet (wall socket) immediately to disconnect from the power source. □ When the camera is being used for the first time or when you use a battery pack that has not been used for a long time, the charge lamp may flash quickly when the battery is charged for the first time. If that happens, remove the battery pack from the camera and then re-insert it to recharge. □ Do not continuously or repeatedly charge the battery without using it if it is already fully charged or close to fully charged. Doing so may cause a deterioration in battery performance. □ When charging is finished, disconnect the AC Adaptor from the wall outlet (wall socket).

□ Be sure to use only genuine Sony brand battery packs, micro USB cable (supplied) and AC Adaptor (supplied). GB 29 Charging the battery pack Charging time (Full charge) The charging time is approximately 310 min. using the AC Adaptor (supplied). Notes • The above charging time applies when charging a fully depleted battery pack at a temperature of 25°C (77°F). Charging may take longer depending on conditions of use and circumstances. Charging by connecting to a computer The battery pack can be charged by connecting the camera to a computer using a micro USB cable. Notes • Note the following points when charging via a computer: – If the camera is connected to a laptop computer that is not connected to a power source, the laptop battery level decreases. Do not charge for an extended period of time. □ Do not turn on/off or restart the computer, or wake the computer to resume from sleep mode when a USB connection has been established between the computer and the camera. The camera may cause a malfunction.

Before turning on/off, or restarting the computer or waking the computer from sleep mode, disconnect the camera and the computer. □ No guarantees are made for charging using a custom-built computer or a modified computer. GB 30 Charging the battery pack Checking the remaining battery charge A remaining charge indicator appears on the screen. High Low Notes • The remaining charge indicator may not be correct under certain circumstances. To remove the battery pack Lock lever Turn off the camera.

Slide the lock lever after confirming that the access lamp (page 12) is off, and remove the battery pack. Be sure not to drop the battery pack. GB GB 31 Inserting a memory card (sold separately) 1 Slide the lever to open the cover. 2 Insert the memory card (sold separately). □ With the notched corner facing as illustrated, insert the memory card until it clicks into place.

Ensure the notched corner faces correctly. 3 Close the cover. To remove the memory card Make sure that the access lamp (page 12) is not lit, then push the memory card in once. GB 32 Inserting a memory card (sold separately) Memory cards that can be used You can use the following types of memory cards with this camera. However, proper operation cannot be guaranteed for all types of memory cards. Memory card Memory Stick PRO Duo A Memory Stick PRO-HG Duo Memory Stick XC-HG Duo SD memory card B SDHC memory card SDXC memory card (Class 4 or faster) (Class 4 or faster) (Class 4 or faster) GB For still images For movies (Mark2 only) • In this manual, the products in the table are collectively referred to as follows: A: "Memory Stick PRO Duo" media B: SD card Notes • Images recorded on a "Memory Stick XC-HG Duo" media or an SDXC memory card cannot be imported to or played on computers or AV devices that are not compatible with exFAT*. Make sure that the device is compatible with exFAT before connecting it to the camera. If you connect your camera to an incompatible device, you may be prompted to format the card. Never format the card in response to this prompt, as doing so will erase all data on the card. * exFAT is the file system used on "Memory Stick XC-HG Duo" media and SDXC memory cards.

GB 33 Attaching a lens Set the power switch of the camera to OFF before you attach or remove the lens. 1 Remove the body cap from the camera and the rear lens cap from the rear of the lens. □ When changing the lens, quickly change the lens away from dusty locations to keep dust or debris from getting inside the camera. □ When shooting, remove the front lens cap from the front of the lens. Front lens cap Body cap Rear lens cap 2 Mount the lens by aligning the white index marks (mounting indexes) on the lens and camera. @@@@ □ Be sure to put the lens on straight. @@ □ Do not use force when attaching a lens. @@@@ @@@@ @@@@ □ Before you attach them, remove any dust from them. @@@@ @@@@ 1 Set the power switch to ON to turn on the camera.



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The screen to set the date and time appears.

□ To turn the camera off, set the power switch to OFF. @ @ 3 Select a desired geographic location, then press z. @ @ @ @ @ To cancel the date and time setting operation Press the MENU button. @ @ To reset the date and time, use the menu. @ @ @ @ 1 Set the power switch to ON to turn on the camera.

2 Set the mode dial to Mode). (Auto GB 3 Look into the viewfinder and hold the camera. 4 Determine the size of a subject. When using a lens with a zoom lever: Move the zoom lever. When using a lens with a zoom ring: Turn the zoom ring.

@ @ □ If the zoom range of the optical zoom is exceeded when a Power zoom lens is mounted, the camera automatically switches over to the camera side zoom. Zoom ring 5 Press the shutter button halfway down to focus. □ When the image is in focus, a beep sounds and the z or lights. Indicator GB 39 Shooting still images 6 Press the shutter button fully down to shoot an image. • If [Auto Obj. Framing] is set to [Auto], when shooting faces, close-up (macro) subjects, or subjects tracked by [Lock on AF], the camera analyzes the scene and automatically trims the captured image into a suitable composition. Both the original and the trimmed images will be saved. gB 40 Recording movies 1 Press the MOVIE button to start recording. □ Since the [MOVIE Button] is set to [Always] in the default setting, movie recording can be started from any shooting mode. MOVIE button GB 2 Press the MOVIE button again to stop recording.

Notes • The sound of the camera in operation may be recorded while recording a movie. You can disable the sound recording by setting [Audio Recording] to [Off]. □ To prevent the operating sound of the zoom ring from being recorded during movie recording when a Power zoom lens is used, we recommend recording movies using the zoom lever. When you move the zoom lever, place your finger lightly on the lever and operate it without flicking. □ The continuous recording time of a movie depends on the ambient temperature or the condition of the camera. See “Notes on continuous movie recording” (page 59). □ When the icon appears, the temperature of the camera is too high. Turn the camera off and wait until the temperature of the camera decreases. □ When you are recording continuously for a long time, you may feel that the camera is warm. In such cases, turn the camera off and wait until the camera is ready to shoot again.

gB 41 Playing back images 1 Press the button. Button 2 Select an image by pressing the b/B on the control wheel. □ To play back movies, press z on the control wheel. □ If you press V on the control wheel while playing back a movie, the control panel will be displayed. control panel N X M T t > .

C c Action during movie playback Playback Pause Fast forward Fast rewind Forward slow playback Rewind slow playback Next movie Previous movie Frame advance Frame rewind Volume settings Closes the control panel Notes • Movies recorded using other devices may not play back on this camera. GB 42 Deleting images Once you have deleted an image, you cannot restore it. Be sure that you want to delete the image before proceeding. 1 While displaying the image you want to delete, press the (Delete) button. GB (Delete) button 2 Select [Delete] with v/V on the control wheel, then press z.

□ To delete several images at a time, select MENU button t (Playback) 1 t [Delete]. notes • Protected images cannot be deleted. GB 43 Selecting a shooting mode Selecting a shooting mode Turn the mode dial and set to the desired shooting mode. The following shooting modes are available. (Auto Mode) (Program Auto) Allows you to shoot still images with the settings adjusted automatically. Allows you to shoot with the exposure (the shutter speed and the aperture value) adjusted automatically. The other settings can be adjusted manually. Shoots by adjusting the aperture and changing the focus range, or by defocus the background. Adjusts the shutter speed to show the movement of the subject. Allows you to shoot after manually adjusting the exposure (the shutter speed and the aperture value) using the front or rear dial.

Calls up settings pre-registered in [Memory] in the (Camera Settings). Allows you to shoot with preset settings according to the scene. Allows you to shoot panoramic images by combining multiple images. Allows you to change shooting settings and shoot a movie. (Aperture Priority) (Shutter Priority) (Manual Exposure) 1/2 (Memory recall) (Scene Selection) (Sweep Panorama) (Movie) GB 44 Using Wi-Fi functions Using the Wi-Fi and NFC one-touch functions You can perform the following operations using the camera's Wi-Fi and NFC One-touch functions. GB Using the smartphone as a remote control for the camera. viewing still images on a TV. For details on the Wi-Fi and NFC One-touch functions, refer to the attached document “Wi-Fi Connection/One-touch (NFC) Guide” or to the Help Guide (page 54). Connecting the camera to a wireless access point Connect the camera to your wireless access point. Before starting the procedure, make sure you have the SSID (name of the access point) and password of your wireless access point with you.

GB 45 Using the Wi-Fi and NFC one-touch functions 2 Use v/V on the control wheel to select the access point you want to connect to. Press z in the center of the control wheel and enter the password if a key icon is displayed with a wireless access point, then select [OK]. Notes • If a connection is not established, see the wireless access point operating instructions or contact the administrator of the access point. □ To save images to a computer, install the following dedicated software on your computer. Jp/imsoft/Mac/ GB 46 Using applications Adding applications to the camera (Application downloading) You can add the desired functions to your camera by connecting to the application downloading website (PlayMemories Camera Apps) via the Internet. For example, the following functions are available: • You can use various effects for shooting images. □ You can upload images to network services directly from the camera. Net/pmca GB 2 Follow the instructions on the screen and acquire a service account. □ If you have an account, sign in to the application download site. 3 Select the desired application and download the application to the camera following the instructions on the screen.

□ To connect the camera to a Mac computer, perform the following setting on the camera. MENU t (Setup) 4 t [USB Connection] t [MTP] 1 To a USB terminal of the computer 2 micro USB cable (supplied) 3 Multi Terminal Notes • The application downloading function may not be available in some countries and regions. For details, refer to the application downloading website above. GB 47 Adding applications to the camera (Application downloading) z How to download applications directly using the Wi-Fi function of the camera You can download applications using the Wi-Fi function without connecting to a computer.



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Select MENU t (Application) t [Application List] t (PlayMemories Camera Apps), then follow the instructions on the screen to download applications. GB 48 Viewing images on a computer Using the software Use the following applications to optimize use of the images shot with your camera. • “Image Data Converter” • “PlayMemories Home” • “Remote Camera Control” For details on installation, see pages 51 to 53. Recommended computer environment (Windows) The following computer environments are recommended when using the software and importing images via a USB connection. OS (pre-installed) “PlayMemories Home” Windows Vista* SP2/Windows 7 SP1/Windows 8 CPU: Intel Pentium III 800 MHz or faster (For playing/editing the High Definition movies: Intel Core Duo 1.40 GHz or faster (AVC HD (PS))) Memory: 1 GB or more Hard Disk: Disk space required for installation—approximately 600 MB Display: Screen resolution—1024 × 768 dots or more GB “Image Data CPU/Memory: Pentium 4 or faster/1 GB or more Converter Ver.

Recommended computer environment (Mac) The following computer environments are recommended when using the software and importing images via a USB connection.) Hard Disk: Disk space required for installation—approximately 100 MB Display: Screen resolution—1024 × 768 dots or more GB 49 Using the software “Image Data Converter Ver. 4”/ “Remote Camera Control Ver. 3” CPU: Intel Core Solo/Core Duo/Core 2 Duo or faster Memory: 1 GB or more is recommended. Display: 1024 × 768 dots or more Notes • Operation cannot be assured in an environment that is based on an upgrade of the operating systems described above or in a multi-boot environment. □ If you connect 2 or more USB devices to a single computer at the same time, some devices, including the camera, may not operate, depending on the types of USB devices you are using. □ Connecting the camera using a USB interface that is compatible with Hi-Speed USB (USB 2.0 compliant) allows advanced transfer (high speed transfer), as the camera is compatible with Hi-Speed USB (USB 2.0 compliant). □ When your computer resumes activity from suspend or sleep mode, communication between the camera and your computer may not recover at the same time.

Using “Image Data Converter” With “Image Data Converter”, you can do the following: • You can play back and edit images recorded in RAW format with various corrections, such as tone curve and sharpness. □ You can adjust images with white balance, exposure, and [Creative Style], etc. □ You can save the images displayed and edited on a computer. You can either save the image as RAW format or save it in a general file format. □ You can display and compare the RAW images and JPEG images recorded by this camera.

Jp/ids-se/ GB 50 Using the software Installing “Image Data Converter” 1 Download the software from the following URL and install it on your computer. GB Using “PlayMemories Home” The software “PlayMemories Home” allows you to import still images and movies to your computer and use them.

□ PlayMemories Home” is required for importing AVCHD movies to your computer. Playing back imported images Importing images from your camera For Windows, the following functions are also available. Sharing images on “PlayMemories Online” Viewing images on Calendar Creating movie discs Uploading images to network services GB 51 Using the software Notes • An Internet connection is required to install “PlayMemories Home”.

□ An Internet connection is required to use “PlayMemories Online” or other network services. □ PlayMemories Online” or other network services may not be available in some countries or regions. □ Refer to the following URL for Mac software: <http://www.jp/imsoft/Mac/> • If the software “PMB (Picture Motion Browser),” supplied with models released before 2011, has already been installed on your computer, it will be overwritten by “PlayMemories Home” during the installation. Use “PlayMemories Home,” the successor software of “PMB. □ • Movies recorded using the [60p 28M(PS)]/[50p 28M(PS)], [60i 24M(FX)]/[50i 24M(FX)] or [24p 24M(FX)]/[25p 24M(FX)] setting in [Record Setting] are converted by “PlayMemories Home” to create an AVCHD recording disc. This conversion can take a long time. Also, you cannot create a disc with the original image quality. If you want to keep the original image quality, store your movies on a Blu-ray Disc. Installing “PlayMemories Home” 1 Using the Internet browser on your computer, go to the following URL, then click [Install] t [Run].

Net/pm/ 2 Follow the instructions on the screen to complete the installation. Using “Remote Camera Control” Connect the camera to your computer. With “Remote Camera Control” you can: • Set up the camera or record an image from the computer. Set up the following before use: MENU t [Connection] t [PC Remote] GB (Setup) 4 t [USB 52 Using the software Installing “Remote Camera Control” 1 Using the Internet browser on your computer, go to the following URL. [Jp/imsoft/Mac/](http://www.jp/imsoft/Mac/) 2 Follow the instructions on the screen to download and install “Remote Camera Control.” Notes • An Internet connection is required to install “Remote Camera Control. □ GB GB 53 Others Learning more about the camera (“Help Guide”) “Help Guide” is an on-line manual. Refer to it for in-depth instructions on the many functions of the camera. 1 Access the Sony support page. 3 Search for the model name of your camera within the support page.

□ Check the model name on the bottom of your camera. GB 54 Checking the number of images and recordable time of movies When you insert a memory card into the camera and set the power switch to ON, the number of images that can be recorded (should you continue to shoot using the current settings) is displayed on the screen. Notes GB • When “0” (the number of recordable images) flashes in yellow, the memory card is full. Replace the memory card with another one, or delete images from the current memory card (page 43). □ When “NO CARD” (the number of recordable images) flashes in yellow, it means no memory card has been inserted.

insert a memory card. The number of images that can be recorded on a memory card The table below shows the approximate number of images that can be recorded on a memory card formatted with this camera. The values are defined using Sony standard memory cards for testing. The values may vary depending on the shooting conditions and the type of memory card used. GB 55 Checking the number of images and recordable time of movies ILCE-7: Image Size: L: 24M Aspect Ratio: 3:2* Memory card formatted with this camera Capacity Size Standard Fine Extra fine RAW & JPEG RAW 2 GB 280 195 105 54 74 4 GB 560 395 215 105 145 8 GB 1100 800 435 215 295 16 GB 2250 1600 870 435 600 (Units: Images) 32 GB 4600 3200 1700 870 1200 64 GB 9200 6400 3450 1750 2400 ILCE-7R: Image Size: L: 36M Aspect Ratio: 3:2* Memory card formatted with this camera Capacity Size Standard Fine Extra fine RAW & JPEG RAW 2 GB 215 145 78 37 50 4 GB 440 295 150 75 99 8 GB 890 600 310 150 200 16 GB 1750 1200 630 300 405 (Units: Images) 32 GB 3550 2400 1250 610 810 64 GB 7000 4800 2500 1200 1600 * When [Aspect Ratio] is set to [16:9], you can record more images than the numbers shown in the table above (except when [RAW] is selected).



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GB 56 Checking the number of images and recordable time of movies The number of images that can be recorded using a battery pack Note that the actual numbers may differ depending on the conditions of use. ILCE-7: Battery life Shooting (still images) Actual shooting (movies) Continuous shooting (movies) Viewing (still images) Approx. 5600 images GB ILCE-7R: Battery life Shooting (still images) Actual shooting (movies) Continuous shooting (movies) Viewing (still images) Approx. 5600 images Notes • The above number of images applies when the battery pack is fully charged. The number of images may decrease depending on the conditions of use. □ The number of images that can be recorded is for shooting under the following conditions: – The battery pack is used at an ambient temperature of 25°C (77°F). □ The number for “Shooting (still images)” is based on the CIPA standard, and is for shooting under the following conditions: (CIPA: Camera & Imaging Products Association) – [Focus Mode] is set to [Single-shot AF]. – Shooting once every 30 seconds. □ The power turns on and off once every ten times. GB 57 Checking the number of images and recordable time of movies • The number of minutes for movie shooting is based on the CIPA standard, and are for shooting under the following conditions: – [Record Setting] is set to [60i 17M(FH)]/[50i 17M(FH)].

□ Typical movie shooting: Battery life based on repeatedly shooting, zooming, shooting stand-by, turning on/off, etc. □ Continuous movie shooting: Battery life based on non-stop shooting until the limit (29 minutes) has been reached, and then continued by pressing the MOVIE button again. Other functions, such as zooming, are not operated. Available recording time for a movie The table below shows the approximate total recording times using a memory card formatted with this camera. Memory card formatted with this camera Capacity Record Setting 60i 24M(FX)/50i 24M(FX) 60i 17M(FH)/50i 17M(FH) 60p 28M(PS)/50p 28M(PS) 24p 24M(FX)/25p 24M(FX) 24p 17M(FH)/25p 17M(FH) 1440×1080 12M VGA 3M 2 GB 10 m 10 m 9m 10 m 10 m 20 m 4 GB 20 m 30 m 15 m 20 m 30 m 40 m 8 GB 40 m 1h 35 m 40 m 1h 16 GB 1 h 30 m 2h 32 GB 3h 4h5m 64 GB 6h 8 h 15 m 5h5m 6h 8h 11 h 40 h (h (hour), m (minute)) 1 h 15 m 2 h 30 m 1 h 30 m 2h 3h 4h 1 h 20 m 2 h 45 m 5 h 30 m 10 h 20 h 1 h 10 m 2 h 25 m 4 h 55 m • Continuous shooting is possible for approximately 29 minutes (a product specification limit). The maximum continuous recording time of an MP4 (12M) format movie is about 20 minutes (limited by the 2 GB file size restriction). GB 58 Checking the number of images and recordable time of movies Notes • The recordable time of movies varies because the camera is equipped with VBR (Variable Bit Rate), which automatically adjusts image quality depending on the shooting scene. When you record a fast-moving subject, the image is clearer but the recordable time is shorter because more memory is required for recording. The recordable time also varies depending on the shooting conditions, the subject or the image quality/size settings. □ The values shown are not for continuous recording time.

□ The recording time may differ depending on shooting conditions and the memory card used. • When is indicated, stop recording the movie. The temperature inside the camera has increased to an unacceptable level. □ For details on movie playback, see page 42. GB Notes on continuous movie recording • It requires a lot of power to perform high quality movie recording or continuous shooting using the image sensor. Therefore, if you continue to shoot, the temperature inside the camera will rise, especially that of the image sensor. In such cases, the camera turns off automatically since higher temperatures affect the quality of the images or affect the internal mechanism of the camera. □ The duration of time available for movie recording varies with the temperature or condition of the camera before you start recording. If you frequently recompose or shoot images after the power is turned on, the temperature inside the camera will rise and the recording time available will be shorter. □ If the camera stops recording due to the temperature, leave it for several minutes with the power turned off.

Start recording after the temperature inside the camera drops fully. □ If you observe the following points, the recording time will be longer. □ Keep the camera out of direct sunlight. □ Turn the camera off when it is not being used. □ The maximum size of a movie file is about 2 GB. When the file size is about 2 GB, recording stops automatically when [File Format] is set to [MP4], and a new movie file is created automatically when [File Format] is set to [AVCHD]. 71 × with 50 mm lens at infinity, –1 m–1 (diopter) Eye Point: Approximately 27 mm from the eyepiece, 22 mm from the eyepiece frame at –1 m–1 Diopter Adjustment: –4. 0 type TFT drive Total number of dots: 921 600 dots [Exposure control] Metering method: 1 200-zone evaluative metering by the image sensor Metering Range: 0 EV to 20 EV (at ISO 100 equivalent with F2. 8 lens) ISO sensitivity (Recommended exposure index): Still images: [ISO AUTO], ISO 50 to 25 600 (1/3 EV step) Movies: [ISO AUTO], ISO 200 to 25 600 (1/3 EV step) Multi frame noise reduction: [ISO AUTO]/ISO 100 to 51 200 (1 EV step) 60 Specifications Exposure compensation: ±5. 0 EV (switchable between 1/3 and 1/2 EV steps) [Shutter] Type: Electronically-controlled, vertical-traverse, focal-plane type Speed range: Still images: 1/8 000 second to 30 seconds, bulb Movies: 1/8 000 second to 1/4 second (1/3 step) 1080 60i-compatible device up to 1/60 second in AUTO mode (up to 1/30 second in Auto slow shutter mode) 1080 50i-compatible device up to 1/50 second in AUTO mode (up to 1/25 second in Auto slow shutter mode) Flash sync speed: ILCE-7: 1/250 second ILCE-7R: 1/160 second [Recording format] File format: JPEG (DCF Ver.

264 Audio: Dolby Digital 2ch, equipped with Dolby Digital Stereo Creator • Manufactured under license from Dolby Laboratories. [Power, general] Used battery pack: Rechargeable battery pack NP-FW50 [Power consumption] When using an FE 28-70 mm F3.) SteadyShot: Available *Minimum focus is the shortest distance from the image sensor to the subject. Design and specifications are subject to change without notice. 5 mm × 45 mm (1 5/16 inches × 3/4 inches × 1 13/16 inches) (W/H/D) GB 63 Specifications On image data compatibility • This camera conforms with DCF (Design rule for Camera File system) universal standard established by JEITA (Japan Electronics and Information Technology Industries Association). □ Playback of images recorded with your camera on other equipment and playback of images recorded or edited with other equipment on your camera are not guaranteed. Trademarks • The following marks are trademarks of Sony Corporation.



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, "Memory Stick", "Memory Stick PRO", "Memory Stick Duo", "Memory Stick PRO Duo", "Memory Stick PRO-HG Duo", "Memory Stick XC-HG Duo", "MagicGate", "BRAVIA", "InfoLITHIUM", "PlayMemories Camera Apps", "PlayMemories Home", "PlayMemories Online", "PlayMemories Mobile" "AVCHD Progressive" and "AVCHD Progressive" logotype are trademarks of Panasonic Corporation and Sony Corporation. Dolby and the double-D symbol are trademarks of Dolby Laboratories. Microsoft, Windows and Windows Vista are registered trademarks of Microsoft Corporation in the United States and/or other countries.

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□ Add further enjoyment with your PlayStation 3 by downloading the application for PlayStation 3 from PlayStation Store (where available.) • The application for PlayStation 3 requires PlayStation Network account and application download. accessible in areas where the PlayStation Store is available.

GB Additional information on this product and answers to frequently asked questions can be found at our Customer Support Website. □ Remplacez-la uniquement par une batterie de même type ou d'un type équivalent recommandé par Sony. Batteri Batteriet kan brista om det hanteras ovarsamt, vilket kan leda till brand eller risk för kemiska brännskador. Att observera vid import av AVCHD-filmer till en dator Ladda ner och använd programmet "PlayMemories Home" från följande webbsida för att importera AVCHD-filmer till en dator: [Ved å sørge for at dette produktet avhentes på korrekt måte, vil du være med på å forhindre mulige negative følger for miljøet og helse, som ellers kan forårsakes av feilaktig avfallshåndtering av dette produktet. For å forsikre at batteriet blir behandlet korrekt skal det leveres til en resirkuleringsstasjon for elektriske produkter når det er oppbrukt. For kunder som har kjøpt kameraet sitt fra en butikk i Japan som selger til turister Merk Noen sertifiseringsmerker for standarder som støttes av kameraet kan bekreftes på kameraets skjerm. Fremgangsmåte for fotografering Dette kameraet har to moduser for overvåking av objekter: LCD-skjermmodus som bruker LCD-skjerm, og søkermodus som bruker søkeren. Ingen erstatning for ødelagt innhold eller opptaksfeil Sony kan ikke gi erstatning for opptaksfeil, tap av eller skade på innspilt innhold som følge av funksjonsfeil i kameraet eller opptaksmediene e. NO NO 9 Betjening av kameraet Bruke fremre skive/bakre skive Du kan dreie på fremre skive eller bakre skive for å endre innstillingene som kreves for hver enkelt opptaksmodus, med øyeblikkelig virkning. □ Når du bruker kameraet for første gang, eller hvis du bruker en batteripakke som ikke har vært brukt på lenge, vil ladelampen kanskje blinke raskt når batteriet lades for første gang. NO 24 Justere dato og klokkeslett Stille inn dato/klokkeslett og område igjen Innstillingsskjerm bildet for dato/klokkeslett vises automatisk når enheten slås på for første gang, eller når det interne, oppladbare reservebatteriet har vært utladet. □ Udskiift kun batteriet med et batteri af samme type eller en tilsvarende type, som anbefales af Sony. ADVARSEL Apparatet må ikke udsættes for regn eller fugt af hensyn til risiko for brand eller elektrisk støt.](http://www.5Anslut kameran till nätadaptern (medföljer) med hjälp av mikro-USB-kabeln (medföljer), och anslut sedan nätadaptern till ett vägguttag. Uppladdning genom att ansluta kameran till en dator Batteripaketet går att ladda upp genom att ansluta kameran till en dator med hjälp av en mikro-USB-kabel. @@@@ For å redusere brannfaren og faren for å få elektrisk støt, må du ikke utsette denne enheten for regn eller fuktighet.</p></div><div data-bbox=)

For kunder som kjøpte deres kamera i en butik i Japan, som sælger til turister Bemærkning Nogle certificeringsmærker for standarder, der understøttes af kameraet, kan bekræftes på kameraets skærm. Ingen kompensation for ødelagt indhold eller optagefejl Sony kan ikke kompensere for manglende evne til at optage eller tab af optaget indhold pga. Fn (Funktion)-knappen For at indstille de individuelle indstillinger på den dedikerede skærm I trin 3 skal du vælge et indstillingspunkt og trykke på z på kontrollhjulet for at skifte til den dedikerede skærm for indstillingspunktet. DK 14 Klargøring af kameraet Opladning af batteriet Når du anvender kameraet for første gang, skal du sørge for at oplade NPFW50-batteriet (medfølger). At kameraet ikke er inden for det rigtige temperaturområde Bemærkninger • Hvis opladelampen på kameraet blinker, når lysnetadapteren er tilsluttet til stikkontakten, angiver dette, at opladningen er midlertidigt afbrudt, da temperaturen er uden for det anbefalede område.

□ Når kameraet anvendes for første gang, eller når du anvender et batteri, som ikke har været brugt i lang tid, blinker opladelampen muligvis hurtigt, når batteriet oplades for første gang. □ Der gives ingen garanti for opladning med en specialbygget eller modificeret computer. DK DK 25 Indstilling af dato og tid Indstilling af dato/tid og område igen Opsætningsskærmen for dato og tid vises automatisk, når der tændes for strømmen første gang, eller når det interne genopladelige backupbatteri er blevet afladet. Dato/tid] eller [Indstilling af sted] MENU-knap Bevarelse af indstillingen for dato og tid Dette kamera har et indbygget genopladeligt batteri til bevarelse af dato og tid samt andre indstillinger, uanset om der er tændt eller slukket for strømmen, eller om batteriet er sat i eller ej.



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