



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX L830. You'll find the answers to all your questions on the NIKON COOLPIX L830 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual NIKON COOLPIX L830  
User guide NIKON COOLPIX L830  
Operating instructions NIKON COOLPIX L830  
Instructions for use NIKON COOLPIX L830  
Instruction manual NIKON COOLPIX L830

**Nikon**

DIGITAL CAMERA

**COOLPIX L830**

Reference Manual



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### Manual abstract:

These icons indicate other pages containing relevant information; E: "Reference Section", F: "Technical Notes and Index." •SD, SDHC, and SDXC memory cards are referred to as "memory cards" in this manual. •The setting at the time of purchase is referred to as the "default setting." •The names of menu items displayed in the camera monitor, and the names of buttons or messages displayed on a computer monitor appear in bold. •In this manual, images are sometimes omitted from monitor display samples so that monitor indicators can be more clearly shown. •Illustrations and monitor content shown in this manual may differ from the actual product. iv Information and Precautions Life-Long Learning As part of Nikon's "Life-Long Learning" commitment to ongoing product support and education, continually updated information is available online at the following sites: •For users in the U.S.A.: <http://www.nikonusa.com/> •For users in Europe and Africa: <http://www.europe-nikon.com/support/> •For users in Asia, Oceania, and the Middle East: <http://www.nikon-asia.com/>

Visit these sites to keep up-to-date with the latest product information, tips, answers to frequently asked questions (FAQs), and general advice on digital imaging and photography. Additional information may be available from the Nikon representative in your area. Visit the site below for contact information: <http://imaging.nikon.com/> Introduction Use Only Nikon Brand Electronic Accessories Nikon COOLPIX cameras are designed to the highest standards and include complex electronic circuitry.

Only Nikon brand electronic accessories (including battery chargers, batteries, and AC adapters) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry. **THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY.** For more information about Nikon brand accessories, contact a local authorized Nikon dealer. Before Taking Important Pictures Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction. v About the Manuals •No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission. •Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice. •Nikon will not be held liable for any damages resulting from the use of this product. •While every effort was made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately). Introduction Notice Concerning Prohibition of Copying or Reproduction Note that simply being in possession of material that was digitally copied or reproduced by means of a scanner, digital camera or other device may be punishable by law.

•Items prohibited by law from being copied or reproduced Do not copy or reproduce paper money, coins, securities, government bonds or local government bonds, even if such copies or reproductions are stamped "Sample." The copying or reproduction of paper money, coins, or securities which are circulated in a foreign country is prohibited. Unless the prior permission of the government was obtained, the copying or reproduction of unused postage stamps or post cards issued by the government is prohibited. The copying or reproduction of stamps issued by the government and of certified documents stipulated by law is prohibited. •Cautions on certain copies and reproductions The government has issued cautions on copies or reproductions of securities issued by private companies (shares, bills, checks, gift certificates, etc.), commuter passes, or coupon tickets, except when a minimum of necessary copies are to be provided for business use by a company. Also, do not copy or reproduce passports issued by the government, licenses issued by public agencies and private groups, ID cards and tickets, such as passes and meal coupons. •Comply with copyright notices The copying or reproduction of copyrighted creative works such as books, music, paintings, woodcut prints, maps, drawings, movies, and photographs is governed by national and international copyright laws. Do not use this product for the purpose of making illegal copies or to infringe copyright laws. vi Disposing of Data Storage Devices Please note that deleting images or formatting data storage devices such as memory cards or built-in camera memory does not completely erase the original image data.

Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility. Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the Select an image option in the Welcome screen setting (A 72). Care should be taken to avoid injury or damage to property when physically destroying data storage devices.

vii Introduction For Your Safety To prevent damage to your Nikon product or injury to yourself or to others, read the following safety precautions in their entirety before using this equipment. Keep these safety instructions where all those who use the product will read them. This icon marks warnings, information that should be read before using this Nikon product, to prevent possible injury. Introduction WARNINGS Turn off in the event of malfunction Should you notice smoke or an unusual smell coming from the camera or AC adapter, unplug the AC adapter and remove the batteries immediately, taking care to avoid burns. Continued operation could result in injury.

After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection. Do not disassemble Touching the internal parts of the camera or AC adapter could result in injury. Repairs should be performed only by qualified technicians. Should the camera or AC adapter break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection, after unplugging the product and/or removing the batteries.



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Do not use the camera or AC adapter in the presence of flammable gas Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire. Handle the camera strap with care Never place the strap around the neck of an infant or child. viii Keep out of reach of children Particular care should be taken to prevent infants from putting the batteries or other small parts into their mouths. Do not remain in contact with the camera, battery charger, or AC adapter for extended periods while the devices are on or in use Parts of the devices become hot. Leaving the devices in direct contact with the skin for extended periods may result in low-temperature burns. Do not leave the product where it will be exposed to extremely high temperatures, such as in an enclosed automobile or in direct sunlight Failure to observe this precaution could cause damage or fire.

Observe caution when handling batteries Batteries may leak or explode if improperly handled. Observe the following precautions when handling batteries for use in this product: • Before replacing the batteries, turn the product off. If you are using an AC adapter, be sure it is unplugged. • Use only the batteries approved for use in this product (A 13). Do not combine old and new batteries or batteries of different makes or types. • When charging Nikon EN-MH2 rechargeable Ni-MH batteries, use only the specified charger and charge the batteries four at a time. When replacing the batteries with EN-MH2-B2 batteries (available separately), purchase two sets (total of four batteries). • The EN-MH2 rechargeable batteries are for use with Nikon digital cameras only, and are compatible with COOLPIX L830. • Insert batteries in the correct orientation. • Do not short or disassemble batteries or attempt to remove or break battery insulation or casing.

• Do not expose batteries to flame or to excessive heat. • Do not immerse in or expose to water. • Do not transport or store with metal objects such as necklaces or hairpins. Introduction ix • Batteries are prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the batteries when no charge remains.

• Discontinue use immediately should you notice any change in the batteries, such as discoloration or deformation. • If liquid from damaged batteries comes in contact with clothing or skin, rinse immediately with plenty of water. Observe the following precautions when handling the Battery Chargers (available separately) • Keep dry. Failure to observe this precaution could result in fire or electric shock. • Dust on or near the metal parts of the plug should be removed with a dry cloth.

Continued use could result in fire. • Do not handle the power cable or go near the battery charger during lightning storms. Failure to observe this precaution could result in electric shock. • Do not damage, modify, forcibly tug or bend the power cable, place it under heavy objects, or expose it to heat or flame.

Should the insulation be damaged and the wires become exposed, take it to a Nikon authorized service representative for inspection. Failure to observe these precautions could result in fire or electric shock. • Do not handle the plug or battery charger with wet hands. Failure to observe this precaution could result in electric shock. • Do not use with travel converters or adapters designed to convert from one voltage to another or with DCto-AC inverters. Failure to observe this precaution could damage the product or result in overheating or fire.

Use appropriate cables When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon for the purpose, to maintain compliance with product regulations. Introduction x Handle moving parts with care Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts. Observe caution when using the flash Using the flash close to your subject's eyes could cause temporary visual impairment. The flash should be no less than 1 m (3 ft 4 in.) from the subject. Particular care should be observed when photographing infants. Do not operate the flash with the flash window touching a person or object Failure to oad This First ....

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...F17 Changing the Angle of the Monitor The angle of the monitor can be lowered down to approx. 85° or raised upward to approx. 90°. This is convenient when taking images with the camera held at high or low positions. B Notes About Monitor • Do not apply excessive force when changing the angle of the monitor. • The monitor cannot be moved to the left or right. • Put the monitor back in the original position when using in normal situations.

3 Attaching the Camera Strap and Lens Cap Attach the lens cap to the camera strap, and then attach the strap to the camera. Parts of the Camera Attach them at two places. B Lens Cap When the camera is not in use, protect the lens by attaching the lens cap. 4 Raising and Lowering the Flash Press the m (flash pop-up) button to raise the flash. • See “Using the Flash” (A 44) for more information about flash settings. • Push the flash down gently to lower the flash until it clicks into place when not in use. Parts of the Camera 5 Using Menus (the d Button) Use the multi selector and k button to navigate the menus. 1 Parts of the Camera Press the d button. • The menu is displayed. 2 Press the multi selector J.

• The current menu icon is displayed in yellow. Shooting menu Image mode White balance Continuous ISO sensitivity Color options AF area mode Menu icons 3 Select the desired menu icon. • The menu is changed. Set up 4 Press the k button. • The menu options become selectable. Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist 6 5 Select a menu option. 6 Press the k button. • The settings for the option you selected are displayed. Photo VR Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist On (hybrid) On Off Parts of the Camera 7 Select a setting. 8 Press the k button.

• The setting you selected is applied. • When you are finished using the menu, press the d button. Photo VR On (hybrid) On Off C Notes About Setting Menu Options • Certain menu options cannot be set depending on the current shooting mode or the state of the camera. Unavailable options are displayed in gray and cannot be selected. • When a menu is displayed, you can switch to shooting mode by pressing the shutter-release button, A (shooting mode) button, or b (e movie-record) button. 7 The Monitor The information that is displayed in the monitor during shooting and playback changes depending on the camera’s settings and state of use. By default, information is displayed when the camera is first turned on and when you operate the camera, and turns off after a few seconds (when Photo info is set to Auto info in Monitor settings (A 72)). Parts of the Camera Shooting Mode 38 37 36 2 10 6 2 1 10 35 HDR 34 33 32 120 H L 60 3 5 4 AF 9 7 8 10 11 12 +1.0 29m 0s 999 31 30 PRE 28 27 26 25 24 20 19 18 17 23 1/250 F 3.0 29 13 14 22 21 16 9 9 9 15 9999 8 1 2 3 4 5 6 7 8 9 Shooting mode.

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... 73, E70 Parts of the Camera 11 Volume indicator ..

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..... 70 11 The Basics of Shooting and Playback Preparation 1 Insert the Batteries 1 The Basics of Shooting and Playback Open the battery-chamber/memory card slot cover. • Hold the camera upside down to prevent the batteries from falling out. 3 1 2 2 Insert the batteries. • Confirm that the positive (+) and negative (-) terminals are oriented correctly and insert the batteries.

3 Close the battery-chamber/memory card slot cover. • Slide the cover while securely holding down the area marked 2. 1 2 3 12 Applicable Batteries • • • \* Four LR6/L40 (AA-size) alkaline batteries (included batteries) Four FR6/L91 (AA-size) lithium batteries Four EN-MH2 rechargeable Ni-MH (nickel metal hydride) batteries EN-MH1 rechargeable Ni-MH batteries cannot be used. Removing the Batteries B • Turn the camera off and make sure that the power-on lamp and the monitor have turned off, and then open the battery-chamber/memory card slot cover. • The camera, batteries, and memory card may be hot immediately after using the camera.

The Basics of Shooting and Playback B Notes About the Batteries • Do not combine old and new batteries or batteries of different makes or types. • Batteries with the following defects cannot be used: Batteries with peeling Batteries with insulation that does not cover the area around the negative terminal Batteries with a flat negative terminal B Battery Type By setting Battery type in the setup menu (A 72) to match the type of batteries inserted in the camera, the batteries can perform more efficiently. The default setting is the type of batteries included with purchase. B C Notes About EN-MH2 Rechargeable Batteries When using EN-MH2 batteries with the camera, charge four batteries at a time using Battery Charger MH-73 (E78, F4). Alkaline Batteries Performance of alkaline batteries may vary greatly depending on the manufacturer.

Choose a reliable brand. 13 Preparation 2 Insert a Memory Card 1 Turn off the camera and open the battery-chamber/memory card slot cover. • Hold the camera upside down to prevent the batteries from falling out. 3 1 2 2 Insert the memory card. • Slide the memory card in until it clicks into place. The Basics of Shooting and Playback B Memory card slot Be Careful to Insert the Memory Card in Correct Direction Inserting the memory card upside down or backwards could damage the camera and the memory card. 3 Close the battery-chamber/memory card slot cover. • Slide the cover while securely holding down the area marked 2. 1 2 3 14 B Formatting Memory Cards The first time you insert a memory card that has been used in another device into this camera, make sure to format it with this camera. Insert the card into the camera, press the *d* button, and select Format card in the setup menu.

Removing Memory Cards Turn the camera off and make sure that the power-on lamp and the monitor have turned off, and then open the battery-chamber/memory card slot cover. Gently push the memory card into the camera (1) to partially eject the card (2). 12 The Basics of Shooting and Playback B High Temperature Caution The camera, batteries, and memory card may be hot immediately after using the camera. Internal Memory and Memory Cards Camera data, including images and movies, can be saved either in the camera's internal memory or on a memory card. To use the camera's internal memory, first remove the memory card. 15 Preparation 3 Setting the Display Language, Date, and Time When the camera is turned on for the first time, the language-selection screen and the date and time setting screen for the camera clock are displayed. • If you exit without setting the date and time, O will flash when the shooting screen is displayed. 1 The Basics of Shooting and Playback Press the power switch to turn on the camera. 2 Use the multi selector HI to select the desired language and press the *k* button. Language Cancel 3 Select Yes and press the *k* button.

Choose time zone and set date and time? Yes No Cancel 16 4 Select your home time zone and press the *k* button. • To enable daylight saving time, press H. When the daylight saving time function is enabled, W is displayed above the map. To turn off the daylight saving time function, press I. London, Casablanca Back 5 Select the date format and press the *k* button.

Date format The Basics of Shooting and Playback Year/Month/Day Month/Day/Year Day/Month/Year 6 Set the date and time, and press the *k* button. • Select a field: Press JK (changes between D, M, Y, h, and m). • Edit the date and time: Press HI. • Confirm the setting: Select m and press the *k* button. Date and time D M Y h m 01 01 2014 00 00 Edit 7 Select Yes and press the *k* button.

15/05/2014 15:30 OK? Yes No 17 8 Make sure that the lens cap has been removed and press the A button. • The shooting-mode selection screen is displayed. Press this button in shooting mode for shooting-mode selection menu. 9 The Basics of Shooting and Playback When Easy auto mode is displayed, press the *k* button. • The camera enters the shooting mode and you can take images in Easy auto mode (A 22). • To switch to another shooting mode, press HI before pressing the *k* button. Easy auto mode 18 C Changing the Language Setting and the Date and Time Setting • You can change these settings using the Language and Time zone and date settings in the *z* setup menu (A 72). • You can enable or disable daylight saving time in the *z* setup menu by selecting Time zone and date followed by Time zone. Press the multi selector K and then H to enable daylight saving time and move the clock forward one hour, or I to disable daylight saving time and move the clock back one hour. C The Clock Battery The Basics of Shooting and Playback • The camera's clock is powered by a built-in backup battery.

The backup battery charges when the main batteries are inserted into the camera or when the camera is connected to an optional AC adapter, and it can run the clock for several days after about ten hours of charging.



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• If the camera's backup battery becomes exhausted, the date and time setting screen is displayed when the camera is turned on. Set the date and time again. See step 3 (A 16) of "Preparation 3 Setting the Display Language, Date, and Time" for more information. C Imprinting the Shooting Date on Printed Images • You can permanently imprint the shooting date on images as they are captured by setting Print date in the setup menu (A 72). • If you want the shooting date to be printed without using the Print date setting, print using the ViewNX 2 software (A 76). 19 Step 1 Turn the Camera On 1 Remove the lens cap and press the power switch. • The monitor turns on. • To turn the camera off, press the power switch again. 2 The Basics of Shooting and Playback Check the battery level indicator and the number of exposures remaining.

Battery level indicator Display b B Battery exhausted. Description The battery level is high. The battery level is low. The camera cannot capture images. Replace the batteries.

Battery level indicator Number of exposures remaining 25m 0s 1900 Number of Exposures Remaining The number of images that can be taken is displayed. • C is displayed when no memory card is inserted in the camera, and images are saved in the internal memory. 20 C Notes About the Flash When you need to use the flash, such as when shooting in dark locations or when the subject is backlit, press the m (flash pop-up) button to raise the flash (A 5, 44). C The Auto Off Function Flashes The Basics of Shooting and Playback No operations performed 25m 0s 1900 No operations performed 3 min Camera enters standby mode. Camera turns off.

• The time that elapses before the camera enters standby mode is about 30 seconds. The time can be changed using the Auto off setting in the setup menu (A 72). • While the camera is in standby mode, the monitor turns back on if you perform any of the following operations: □ Press the power switch, shutter-release button, A (shooting mode) button, c (playback) button, or b (e movie-record) button 21 Step 2 Select a Shooting Mode 1 Press the A button. 2 Use the multi selector HI to select a shooting mode and press the k button. • G (easy auto) mode is used in this example. • The shooting mode setting is saved even after the camera is turned off. The Basics of Shooting and Playback Easy auto mode 22 Available Shooting Modes G Easy auto mode A 31 The camera automatically selects the optimum scene mode when you frame an image, making it even easier to take images using settings that suit the scene. b D F Scene mode Camera settings are optimized according to the scene that you select. Special effects Effects can be applied to images during shooting. Smart portrait A 40 The Basics of Shooting and Playback A 38 A 32 When the camera detects a smiling face, you can take an image automatically without pressing the shutter-release button (smile timer).

You can also use the skin softening option to smooth the skin tones of human faces. A Auto mode A 42 Used for general shooting. Settings can be adjusted to suit the shooting conditions and the type of shot you want to capture. 23 Step 3 Frame a Picture 1 Hold the camera steady. • Keep fingers and other objects away from the lens, flash, AF-assist illuminator, microphone, and speaker. The Basics of Shooting and Playback 2 Frame the picture. • When the camera automatically determines the scene mode, the shooting mode icon changes (A 31). Shooting mode icon 25m 0s 1900 B 24 Notes About Easy Auto Mode • Depending upon shooting conditions, the camera may not select the desired scene mode. In this case, select another shooting mode (A 32, 38, 40, 42). • When the digital zoom is in effect, the scene mode changes to U.

• We recommend using a tripod to stabilize the camera in the following situations. - When shooting in dim lighting - When the flash is lowered or when using a shooting mode in which the flash does not fire - When using the telephoto setting • When using a tripod to stabilize the camera during shooting, set Photo VR to Off in the setup menu (A 72) to prevent potential errors caused by this function. C When Using a Tripod Using the Zoom When you move the zoom control, the zoom lens position changes. • To zoom in closer to the subject: Move toward g (telephoto) • To zoom out and view a larger area: Move toward f (wide-angle) When you turn the camera on, the zoom moves to the maximum wide-angle position. • The side zoom control (A 1) can also be moved toward g or f to operate the zoom.

Zoom out Zoom in The Basics of Shooting and Playback g Zoom in f Zoom out • A zoom indicator is displayed at the top of the monitor when the zoom control is moved. Optical zoom Digital zoom • Digital zoom, which allows you to further magnify the subject up to approximately 4× the maximum optical zoom ratio, can be activated by moving and holding the zoom control or the side zoom control toward g when the camera is zoomed in to the maximum optical zoom position. C Notes About Digital Zoom The zoom indicator turns blue when the digital zoom is activated, and it turns yellow when the zoom magnification is increased further. • Zoom indicator is blue: Image quality is not noticeably reduced by using the Dynamic Fine Zoom. • Zoom indicator is yellow: Image quality is noticeably reduced.

• The indicator remains blue across a wider area when the image size is smaller. 25 Step 4 Focus and Shoot 1 Press the shutter-release button halfway. • When the subject is in focus, the focus area glows green (multiple focus areas can glow green). • When you are using digital zoom, the camera focuses on the subject in the center of the frame and the focus area is not displayed. When the camera has focused, the focus indicator (A 9) glows green. • If the focus area or focus indicator flashes, the camera is unable to focus. Modify the composition and try pressing the shutter-release button halfway again. The Basics of Shooting and Playback 1/250 F 3.0 2 Without lifting your finger, press the shutter-release button the rest of the way down. 26 The Shutter-release Button Press halfway To set focus and exposure (shutter speed and aperture value), press the shutter-release button lightly until you feel a slight resistance.

Focus and exposure remain locked while the shutter-release button is pressed halfway. Press the shutter-release button all the way to release the shutter and take an image. Do not use force when pressing the shutter-release button, as this may result in camera shake and blurred images. Press the button gently. Press all the way The Basics of Shooting and Playback B Notes About Saving Images and Recording Movies The indicator showing the number of exposures remaining or the indicator showing the maximum movie length flashes while images are being saved or while a movie is being recorded.



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Do not open the battery-chamber/memory card slot cover or remove the batteries or memory card while an indicator is flashing. Doing this could result in loss of data, or in damage to the camera or the memory card. 27 Step 5 Play Back Images 1 Press the c (playback) button. • If you press and hold down the c (playback) button while the camera is turned off, the camera turns on in playback mode. c (playback) button 2 Use the multi selector to select an image to display.

- Press and hold down HIJK to scroll through the images quickly. Display the previous image The Basics of Shooting and Playback Display the next image • To return to shooting mode, press the A button or shutter-release button. 4/4 0004. JPG 15/05/2014 15:30 28 Step 6 Delete Images 1 Press the l button to delete the image currently displayed in the monitor. 2 Use the multi selector HI to select the desired deletion method and press the k button.
- To exit without deleting, press the d button. The Basics of Shooting and Playback Delete Current image Erase selected images All images 3 Select Yes and press the k button. • Deleted images cannot be recovered. • To cancel, select No and press the k button. Erase 1 image? Yes No 29 Operating the Erase Selected Images Screen 1 Use the multi selector JK to select an image to be deleted, and then use H to display c.
- To undo the selection, press I to remove c. • Move the zoom control (A 1) toward g (i) to switch to full-frame playback or f (h) to switch to thumbnail playback. Erase selected images Back 2 B Add c to all images that you want to delete and then press the k button to confirm the selection. • A confirmation dialog is displayed. Follow the instructions displayed in the monitor. The Basics of Shooting and Playback Deleting Images in a Sequence • If you press the l button and delete a key picture while only key pictures are displayed for sequences of images (A 64), all images in the sequence, including the key picture, are deleted. • To delete individual images in a sequence, press the k button to display them one at a time and press the l button. C Deleting the Last Image Captured While in Shooting Mode When using shooting mode, press the l button to delete the last image that was saved. 30 Shooting Features G (Easy Auto) Mode The camera automatically selects the optimum scene mode when you frame an image, making it even easier to take images using settings that suit the scene. Enter shooting mode M A (shooting mode) button M G (easy auto) mode M k button When the camera selects a scene mode, the shooting mode icon displayed in the shooting screen changes to that for the scene mode currently enabled.

e f h g i j U Portrait Landscape Night portrait\* Night landscape\* Close-up Backlighting Other scenes Shooting Features \* One image is captured at a slow shutter speed. Functions Available in G (Easy Auto) Mode • Self-timer (A 47) • Exposure compensation (A 50) • Easy auto mode menu (A 53) 31 Scene Mode (Shooting Suited to Scenes) When a scene is selected, camera settings are automatically optimized for the selected scene. Enter shooting mode M A (shooting mode) button M b (second icon from the top\*) M K M HI M select a scene M k button \* The icon of the last scene selected is displayed. b Portrait (default setting) f Party/indoor1 (A 33) Shooting Features 1 2 3 c Landscape2 Z Beach1 j Night landscape2 (A 34) m Fireworks show2, 3 (A 35) O Pet portrait (A 37) d Sports1 (A 33) z Snow1 k Close-up (A 34) e Night portrait (A 33) h Sunset1, 3 u Food (A 34) i Dusk/dawn2, 3 l Museum1 (A 35) p Easy panorama1 (A 36) n Black and white copy1 o Backlighting (A 35) (A 35) The camera focuses on the area in the center of the frame. The camera focuses at infinity. Use of a tripod is recommended, because the shutter speed is slow. Set Photo VR to Off in the setup menu (A 72) when using a tripod to stabilize the camera during shooting.

To View a Description (Help Display) of Each Scene Select a scene and move the zoom control (A 1) toward g (j) to view a description of that scene. To return to the original screen, move the zoom control toward g (j) again. Landscape 32 Tips and Notes d Sports • While the shutter-release button is held all the way down, the camera shoots up to about 5 images continuously at a rate of about 6.

7 fps (when Image mode is set to P 4608×3456). • The frame rate for continuous shooting may vary depending upon the current image mode setting, the memory card used, or shooting condition. • Focus, exposure, and hue are fixed at the values determined with the first image in each series. e Night portrait • Raise the flash before shooting. • From the screen displayed after e Night portrait is selected, select Y Hand-held or Z Tripod.

• Y Hand-held (default setting): - When the e icon at the top left of the monitor glows green, press the shutter-release button all the way to capture a series of images which are combined into a single image and saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed. After taking an image, do not turn the camera off before the monitor switches to the shooting screen. - If the subject moves while the camera is shooting continuously, the image may be distorted, overlapped, or blurred. • Z Tripod: - One image is captured at a slow shutter speed when the shutter-release button is pressed all the way.

- Vibration reduction is disabled even when Photo VR (A 72) in the setup menu is set to On. Shooting Features f Party/indoor • To avoid the effects of camera shake, hold the camera steady. Set Photo VR to Off in the setup menu (A 72) when using a tripod to stabilize the camera during shooting. 33 j Night landscape

• From the screen displayed after j Night landscape is selected, select Y Hand-held or Z Tripod. • Y Hand-held (default setting): - When the j icon at the top left of the monitor glows green, press the shutter-release button all the way to capture a series of images which are combined into a single image and saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed. After taking an image, do not turn the camera off before the monitor switches to the shooting screen. • Z Tripod: - One image is captured at a slow shutter speed when the shutter-release button is pressed all the way. - Vibration reduction is disabled even when Photo VR (A 72) in the setup menu is set to On. k Close-up • Macro mode (A 49) is enabled and the camera automatically zooms to the closest position at which it can focus.

• You can move the focus area. Press the k button, use the multi selector HIJK to move the focus area, and press the k button to apply the setting. Shooting Features u Food • Macro mode (A 49) is enabled and the camera automatically zooms to the closest position at which it can focus.



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• You can adjust hue by using the multi selector HI. The hue setting is saved in the camera's memory even after the camera is turned off. • You can move the focus area. Press the k button, use the multi selector HIJK to move the focus area, and press the k button to apply the setting. 25m 0s 1900 34 l Museum • The camera captures a series of up to ten images while the shutter-release button is held all the way down, and the sharpest image in the series is automatically selected and saved (BSS (Best Shot Selector)). • The flash does not fire. m Fireworks show • The shutter speed is fixed at about four seconds.

• 13 zoom positions are available. n Black and white copy • Use together with macro mode (A 49) when shooting subjects that are close to the camera. Shooting Features o Backlighting • From the screen displayed after o Backlighting is selected, select o or k to enable or disable the high dynamic range (HDR) function based on the type of image you want to take. • k (default setting): The flash fires to prevent the subject from being hidden in shadow. Raise the flash before shooting.

- When the shutter-release button is pressed all the way down, one image is captured. • o: Use when taking images with very bright and dark areas in the same frame. - When the shutter-release button is pressed all the way, the camera shoots images continuously at high speed, and saves the following two images. - A non-HDR composite image - An HDR composite image in which the loss of details in highlights or shadows is minimized - If there is only enough memory to save one image, an image processed by D-Lighting (A 64) at the time of shooting, in which dark areas of the image are corrected, is the only image saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed.

After taking an image, do not turn the camera off before the monitor switches to the shooting screen. - The angle of view (i.e., the area visible in the frame) seen in the saved image is narrower than that seen in the monitor at the time of shooting. 35 p Easy panorama • From the screen displayed after p Easy panorama is selected, select the shooting range from W Normal (180°) or X Wide (360°). • The zoom position is fixed at wide-angle. • Press the shutter-release button all the way down, remove your finger from the button, and then slowly pan the camera horizontally. Shooting ends when the camera captures the specified shooting range. • Focus and exposure are locked when shooting starts. • If you press the k button when a captured image is displayed in full-frame playback mode, the image scrolls automatically.

• The images cannot be edited on this camera. □ "Using Easy Panorama (Shooting and Playback)" (E2) B Notes About Printing Panorama Images Shooting Features The entire image may not be able to be printed depending on the printer's settings. Additionally, printing may not be possible depending on the printer. 36 O Pet portrait • When you point the camera at a dog or cat, the camera detects the pet's face and focuses on it. By default, the shutter is automatically released when the camera detects a dog or cat face (pet portrait auto release). • From the screen displayed after O Pet portrait is selected, select U Single or V Continuous. - U Single: Whenever the camera detects a dog or cat face, it captures one image. - V Continuous: Whenever the camera detects a dog or cat face, it captures three images continuously. B Pet Portrait Auto Release • Press the multi selector J (n) to change the Pet portrait auto release settings. - Y: The shutter is automatically released when the camera detects a dog or cat face.

- k: The camera does not release the shutter automatically, even if a dog or cat face is detected. Press the shutter-release button. The camera also detects human faces when k is selected. • Pet portrait auto release is set to k after five bursts have been taken. • Shooting is also possible by pressing the shutter-release button, regardless of the Pet portrait auto release setting.

Shooting Features B Focus Area • When the camera detects a face, the face is displayed inside a yellow border. When the camera acquires focus on a face displayed inside a double border (focus area), the double border turns green. If no faces are detected, the camera focuses on the subject in the center of the frame. • In some shooting conditions, the pet face may not be detected and other subjects may be displayed inside a border. 25m 0s 1900 37 Special Effects Mode (Applying Effects When Shooting) Effects can be applied to images during shooting.

Enter shooting mode M A (shooting mode) button M D (third icon from the top\*) M K M HI M select an effect M k button \* The icon of the last effect selected is displayed. Selective color Shooting Features Category D Soft (default setting) E Nostalgic sepia F High-contrast monochrome G High key H Low key I Selective color l Pop k Super vivid o Cross process Description Softens the image by adding a slight blur to the entire image. Adds a sepia tone and reduces the contrast to simulate the qualities of an old photograph. Changes the image to black and white and gives it sharp contrast. Gives the entire image a bright tone. Gives the entire image a dark tone. Creates a black and white image in which only the specified color remains. Increases the color saturation of the entire image to create a bright look. Increases the color saturation of the entire image and sharpens the contrast. Gives the image a mysterious appearance based on a specific color.

Decreases the color saturation of the entire image and darkens the image periphery. m Toy camera effect 1 Gives the entire image a yellowish hue and darkens the image periphery. n Toy camera effect 2 38 • The camera focuses on the area in the center of the frame. • When Selective color or Cross process is selected, use the multi selector HI to select the desired color from the slider. To change settings for any of the following functions, press the k button to cancel color selection. - Flash mode (A 44) - Self-timer (A 47) - Macro mode (A 49) - Exposure compensation (A 50) To return to the color selection screen, press the k button again. Save Slider 39 Shooting Features Smart Portrait Mode (Capturing Images of Smiling Faces) When the camera detects a smiling face, you can take an image automatically without pressing the shutter-release button (smile timer (A 53)). You can use the skin softening option to smooth the skin tones of human faces. Enter shooting mode M A (shooting mode) button M F Smart portrait mode M k button 1 2 Shooting Features Frame the picture. • Point the camera at a human face.

Without pressing the shutter-release button, wait for the subject to smile. • If the camera detects that the face framed by the double border is smiling, the shutter is automatically released.



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• Whenever the camera detects a smiling face, it automatically releases the shutter. 3 End automatic shooting. • Perform one of the operations listed below to end shooting.

- Set Smile timer to Off. - Press the A button and select a different shooting mode. B Notes About Smart Portrait Mode Under some shooting conditions, the camera may be unable to detect faces or detect smiles (A 58). The shutter-release button can also be used for shooting. C 40 When the Self-timer Lamp Flashes When using smile timer, the self-timer lamp flashes when the camera detects a face and flashes quickly immediately after the shutter is released.

Functions Available in Smart Portrait Mode •••• Flash mode (A 44) Self-timer (A 47) Exposure compensation (A 50) Smart portrait menu (A 53) 41 Shooting Features A (Auto) Mode Used for general shooting. Settings can be adjusted to suit the shooting conditions and the type of shot you want to capture. Enter shooting mode M A (shooting mode) button M A (auto) mode M k button • You can change how the camera selects the area of the frame to focus on by changing the AF area mode setting (A 54). The default setting is Target finding AF (A 59). Functions Available in A (Auto) Mode •••• Flash mode (A 44) Self-timer (A 47) Macro mode (A 49) Exposure compensation (A 50) Shooting menu (A 53) Shooting Features 42 Functions That Can Be Set Using the Multi Selector The functions that are available vary with the shooting mode, as shown below. 1 2 4 3 G (easy auto) 1 X Flash mode 1 (A 44) – w – w 2 Scene Special effects w w w Smart portrait w2 w2 – w A (auto) Shooting Features w w w 2 n Self-timer (A 47) 3 p Macro (A 49) 4 o 1 2 Exposure compensation (A 50) Can be set when the flash is raised. The flash does not fire while it is lowered. Availability depends on the setting. 43 Using the Flash In dark locations or when the subject is backlit, you can take images with the flash by raising the flash. When using A (auto) mode and other shooting modes, you can select the flash mode to match the shooting conditions.

1 Press the m (flash pop-up) button. • The flash pops up. • The flash does not fire while it is lowered. W is displayed to indicate that the flash does not fire. Shooting Features 2 3 Press the multi selector H (X). Select the desired flash mode (A 45) and press the k button. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. Auto 44 Available Flash Modes U Auto The flash fires when necessary, such as in dim lighting. •

The flash mode icon on the shooting screen is displayed only immediately after the setting is made. V X Auto with red-eye reduction Reduce red-eye in portraits caused by the flash (A 46). Fill flash The flash fires whenever an image is taken. Use to “fill-in” (illuminate) shadows and backlit subjects. Y Slow sync Suited to evening and night portraits that include background scenery. The flash fires when necessary to illuminate the main subject; slow shutter speeds are used to capture background at night or under dim lighting. Shooting Features 45 B C Lowering the Flash Push the flash down gently to lower the flash until it clicks into place when not in use (A 5).

The Flash Lamp The status of the flash can be confirmed by pressing the shutter-release button halfway. • On: The flash fires when you press the shutter-release button all the way down. • Flashing: The flash is charging. The camera cannot shoot images. • Off: The flash does not fire when an image is taken. If the battery level is low, the monitor turns off while the flash is charging. Shooting Features C The Flash Mode Setting • The setting may not be available with some shooting modes. • The setting applied in A (auto) mode is saved in the camera’s memory even after the camera is turned off. C Red-eye Reduction Pre-flashes are fired repeatedly at low intensity before the main flash, reducing the red-eye effect. Additionally, if the camera detects red eye while saving an image, the affected area is processed to reduce red-eye before the image is saved. Note the following when shooting: • Because pre-flashes are fired, there is a slight lag between when the shutter-release button is pressed and when the shutter is released. • More time than usual is required to save images. • Red-eye reduction may not produce the desired results in all situations. • In some cases, red-eye reduction may be applied to areas of an image unnecessarily. In these cases, select another flash mode and take the image again.

46 Using the Self-timer The camera is equipped with a self-timer that releases the shutter about ten seconds or two seconds after you press the shutter-release button. Set Photo VR to Off in the setup menu (A 72) when using a tripod to stabilize the camera during shooting. 1 2 Press the multi selector J (n). Select n10s or n2s, and press the k button. Self-timer • n10s (ten seconds): Use on important occasions, such as weddings. • n2s (two seconds): Use to prevent camera shake. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. • When the shooting mode is Pet portrait scene mode, Y (pet portrait auto release) is displayed (A 37). The self-timer cannot be used. Shooting Features 3 Frame the picture and press the shutter-release button halfway.

• Focus and exposure are set. 10 1/250 F 3.0 47 4 Press the shutter-release button the rest of the way down. • Countdown starts. The self-timer lamp flashes and then glows steadily about one second before the shutter is released. • When the shutter is released, the self-timer is set to OFF. • To stop the countdown, press the shutter-release button again. 9 1/250 F 3.0 Shooting Features 48 Using Macro Mode Use macro mode when taking close-up images. 1 2 Press the multi selector I (p).

Select ON and press the k button. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. Macro mode Shooting Features 3 Move the zoom control to set the zoom ratio to a position where F and the zoom indicator glow green. • When the zoom ratio is set to a position where F and the zoom indicator glow green, the camera can focus on subjects as close as approximately 5 cm (2 in.) from the lens. • When the zoom position is in the area indicated by 1, the camera can focus on subjects as close as approximately 1 cm (0.4 in.) from the lens. 1 B C Notes About Using the Flash The flash may be unable to light the entire subject at distances of less than 50 cm (1 ft 8 in.).

The Macro Mode Setting • The setting may not be available with some shooting modes. • The setting applied in A (auto) mode is saved in the camera’s memory even after the camera is turned off. 49 Adjusting Brightness (Exposure Compensation) You can adjust overall image brightness.



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