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You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX S8100. You'll find the answers to all your questions on the NIKON COOLPIX S8100 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 S8100
User guide NIKON COOLPIX S8100
Operating instructions NIKON COOLPIX S8100
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Instruction manual NIKON COOLPIX S8100

Nikon

DIGITAL CAMERA

COOLPIX S8100

User's Manual



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Manual abstract:

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Introduction First Steps Basic Photography and Playback: A (Auto) Mode More on Shooting More on Playback Editing Images Movie Recording and Playback Connecting to Televisions, Computers and Printers Basic Camera Setup Caring for the Camera Technical Notes and Index i 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. WARNINGS Turn off in the event of malfunction Should you notice smoke or an unusual smell coming from the camera or Charging AC Adapter, unplug the Charging AC Adapter and remove the battery 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 Charging AC Adapter could result in injury. Repairs should be performed only by qualified technicians. Should the camera or Charging 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 battery. Do not use the camera or Charging 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. Keep out of reach of children Particular care should be taken to prevent infants from putting the battery or other small parts into their mouths. ii For Your Safety Observe caution when handling the battery The battery may leak, overheat, or explode if improperly handled. Observe the following precautions when handling the battery for use in this product: · Before replacing the battery, turn the product off. If you are using the Charging AC Adapter/AC adapter, be sure it is unplugged. · Use only a Rechargeable Li-ion Battery EN-EL12 (supplied). Charge the battery by using a camera that supports battery charging or by using a Battery Charger MH-65 (available separately). To charge the battery with the camera, use either Charging AC Adapter EH-68P/EH68P (AR) (supplied) or the Charge by computer function. · When inserting the battery, do not attempt to insert it upside down or backwards. · Do not short or disassemble the battery or attempt to remove or break the battery insulation or casing.

· Do not expose the battery to flame or to excessive heat. · Do not immerse in or expose to water. · Replace the terminal cover when transporting the battery. Do not transport or store with metal objects such as necklaces or hairpins. · The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains. · Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation. · If liquid from the damaged battery comes in contact with clothing or skin, rinse immediately with plenty of water. Observe the following precautions when handling the Charging AC Adapter 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 plug or go near the Charging AC Adapter during lightning storms. Failure to observe this precaution could result in electric shock. Do not damage, modify, forcibly tug or bend the USB cable, place it under heavy objects, or expose it to heat or flames.

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 Charging AC Adapter 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 DC to AC inverters.

Failure to observe this precaution could damage the product or cause overheating or fire. iii For Your Safety 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. Handle moving parts with care Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts. CD-ROMs The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CDROMs on an audio CD player could cause hearing loss or damage the equipment. Observe caution when using the flash Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be observed if photographing infants, when the flash should be no less than 1 m (3 ft. 4 in.) from the subject. Do not operate the flash with the flash window touching a person or object Failure to observe this precaution could result in burns or fire.

Avoid contact with liquid crystal Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent liquid crystal from the monitor touching the skin or entering the eyes or mouth. Turn the power off when using inside an airplane or the hospital Turn the power off while inside the airplane during take off or landing. Follow the instructions of the hospital when using while in a hospital. The electromagnetic waves given out by this camera may disrupt the electronic systems of the airplane or the instruments of the hospital. iv Notices Notices for Customers in the U.S.A. IMPORTANT SAFETY INSTRUCTIONS - SAVE THESE INSTRUCTIONS. DANGER - TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, CAREFULLY FOLLOW THESE INSTRUCTIONS For connection to a supply not in the U.



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A., use an attachment plug adapter of the proper configuration for the power outlet if needed. The power supply unit is intended to be correctly orientated in a vertical or floor mount position. 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/television technician for help. Federal Communications Commission (FCC) Radio Frequency Interference Statement 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 CAUTIONS Modifications The FCC requires the user to be notified that any changes or modifications made to this device that are not expressly approved by Nikon Corporation may void the user's authority to operate the equipment. Interface Cables Use the interface cables sold or provided by Nikon for your equipment. Using other interface cables may exceed the limits of Class B Part 15 of the FCC rules. v Notices Notice for customers in the State of California WARNING Handling the cord on this product will expose you to lead, a chemical known to the State of California to cause birth defects or other reproductive harm. Wash hands after handling. Nikon Inc., 1300 Walt Whitman Road Melville, New York 11747-3064 USA Tel: 631-547-4200 Notice for customers in Canada CAUTION This Class B digital apparatus complies with Canadian ICES-003. ATTENTION Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Notices for customers in Europe CAUTIONS RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.

DISPOSE OF USED BATTERIES ACCORDING TO THE INSTRUCTIONS. This symbol indicates that this product is to be collected separately. The following apply only to users in European countries: · This product is designated for separate collection at an appropriate collection point. Do not dispose of as household waste. · For more information, contact the retailer or the local authorities in charge of waste management. This symbol on the battery indicates that the battery is to be collected separately. The following apply only to users in European countries: · All batteries, whether marked with this symbol or not, are designated for separate collection at an appropriate collection point. Do not dispose of as household waste. · For more information, contact the retailer or the local authorities in charge of waste management. vi Table of Contents For Your Safety.

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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 charger, batteries, Charging AC Adapter, 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.**

The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking. For more information about Nikon brand accessories, contact a local authorized Nikon dealer. Holographic seal: Identifies this device as an authentic Nikon product. 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. 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). 2 Information and Precautions 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. Introduction 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.



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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 159). Care should be taken to avoid injury or damage to property when physically destroying data storage devices. 3 Parts of the Camera The Camera Body Introduction 1 234 5 6 7 Flash raised 10 8 9 Lens cover closed Zoom control

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25 f : wide.....

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.....25 g : tele..

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....25 1 h : thumbnail playback.....

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85, 87 i : playback zoom.....

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88 j : help.....

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.....55 2 Shutter-release button.

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.....

.11, 26 3 Self-timer lamp.....

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...33 AF-assist illuminator..

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.169 Power switch/power-on lamp

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..17, 171 5 6 Microphone (stereo)

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...117, 129 7 Flash

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.. 30 8 Speaker.....

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..118, 140 9 Lens

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....182, 198 10 Lens cover 4 Mode dial.

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...42 4 Parts of the Camera 1 23 4 5 Introduction 6 78 9 10 11 12 13 14 15 1 Monitor ..

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.6, 23 2 Rotary multi selector....

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... 9 3 c (playback) button.....

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...8, 28, 80 Charge lamp ..

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....15, 150 4 Flash lamp

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.32 5 b (movie-record) button

.....8, 129 6 Tripod socket....

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....199 7 d button.....

10, 43, 90, 108, 133, 158 8 l (delete) button.....

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.... 29, 118, 140 9 Cover latch.

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.....12, 20 Battery-chamber/ 10 memory card slot cover...

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.....12, 20 16 17 18 19 11 k (apply selection) button...

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.... 9 12 Eyelet for camera strap.

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... 11 13 HDMI mini connector..

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...143 14 HDMI connector cover ..

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143 15 USB/audio/video output connector

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... 14, 143, 146, 152 16 Connector cover.....

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14, 143, 146, 152 17 Battery latch

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12, 13 18 Battery chamber

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... 12 19 Memory card slot ..

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... 20 5 Parts of the Camera The Monitor The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings). The indicators that appear in the monitor during shooting and playback disappear after a few seconds (A 163). Introduction Shooting 34 33 32 31 30 29 26 28 27 +1.0 1600 1/250 F 3.5 999 10 2 1 23 4 5 6 7 8 9 10 11 12 13 14 15 17 20 999 9999 19 18 1m00s 1m00s 16 25 24 23 22 21 a b 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 Shooting mode*..

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...22, 55, 70, 73 Macro mode ..

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36 Zoom indicator

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...25, 36 Focus indicator..

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.....26 AE/AF-L indicator.....

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..69 Flash mode ...

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22 (b) Movie length.....

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129, 135 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 Internal memory indicator

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..... 23 Aperture....

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..... 26 Shutter speed...

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..... 26 Focus area (auto)...

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.26, 50 Focus area (for manual or center) 50 Focus area (face detection)

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...26, 50 Focus area (subject tracking mode)..

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70 Center-weighted metering area

... 48 ISO sensitivity.....

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.....31, 49 Exposure compensation value....

.40, 41 Vividness....

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. 40 Hue....

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. 126 14 Print set icon

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..... 109 15 Small picture icon .

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. 127 16 D-Lighting icon

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..... 125 17 Quick retouch icon..

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... 124 18 Voice memo indicator.....

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. 118 19 File number and type.....

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185 (a) Current frame number/ total number of frames

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28 (b) Movie length.....

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140 The icon for the selected album or the selected category in auto sort mode in playback mode is displayed. The icon displayed varies with the setting that was set at the time of shooting. 7 Main Features of the Operation Controls 1 2 3 4 Introduction 7 8 5 6 9 10 Control 1 Name Power switch Function Turns the camera on and off (A 17) Shooting mode: changes the shooting mode (A 42) 2 Mode dial Playback mode: switches to the shooting screen Shooting mode: rotate to g (i) to zoom in; rotate to f (h) to zoom out (A 25) 3 Zoom control Playback mode: rotate to g (i) to magnify (A 88); rotate to f (h) to display thumbnail or calendar (A 85, 87) 4 Shooting mode: releases the shutter (A 11, 26) Shutter-release button Playback mode: switches to the shooting screen Movie-record button Shooting mode: starts and stops movie recording (A 129) Playback mode: switches to the shooting screen Power is off: press and hold to turn on the camera in playback mode 5 6 Playback button Shooting mode: plays back images (A 28, 80, 140) Playback mode: switches to the shooting screen 7 d button Turns the menu on and off (A 10, 43, 90, 108, 133, or 158) 8 Main Features of the Operation Controls Control 8 Name Delete button Function Shooting mode: deletes the last image captured (A 29) Playback mode: deletes images or voice memo (A 29, 118, or 140) Shooting mode: displays the m (flash mode) menu (A 30) Playback mode: selects the previous image During menu display: moves the highlight up Shooting mode: displays the n (self-timer)/smile timer menu (A 33, 34) Rotary multi selector (left) Playback mode: selects the previous image During menu display: moves the highlight left/ returns to the previous screen Shooting mode: displays the p (macro mode) menu (A 36) Introduction Rotary multi selector (up) 9 Rotary multi selector (down) Playback mode: selects the next image During menu display: moves the highlight down Shooting mode: displays creative slider (A 38), displays the o (exposure compensation) setting screen (A 41) Rotary multi selector (right) Playback mode: selects the next image During menu display: moves the highlight right/ proceeds to next screen (applies selection) Playback mode: selects the previous or next image Rotary multi selector (rotate) During menu display: moves the highlight Playback mode (full-frame playback): displays histogram and shooting information (except for movies)/returns to full-frame playback (A 82), displays individual images of a sequence (A 83), Apply selection plays back movies (A 140) button Playback mode (Zoom in/thumbnail display): switches to full-frame playback (A 85, 88) During menu display: applies selection (goes to next screen) 10 9 Main Features of the Operation Controls Using Camera

Menus Press the d button (A 8) to display the menu for the selected mode.



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Use the rotary multi selector (A 9) to navigate the menus. Tab for the menus available in the current shooting mode/tab for playback mode menu Tab for movie menu (during shooting mode)/playback menu (during playback mode) Tab for displaying the setup menu K is displayed when previous menu items are available Continuous Image mode White balance Metering Continuous ISO sensitivity AF area mode Exit Introduction Displayed when the menu contains two or more pages Displayed when there are one or more menu items to follow 1 Press the d button. Continuous Image mode White balance Metering Continuous ISO sensitivity AF area mode Exit 2 Press the rotary multi selector H or I to choose an item, and then press K or the k button. Items can also be chosen by rotating the rotary multi selector (A 9). To change tabs, press J (A 11). Rotary multi selector Continuous Autofocus mode Exit 3 Press H or I to choose an item and press the k button. The setting is applied.

Autofocus mode Single AF Full-time AF Exit 4 10 When setting is finished, press the d button. The camera exits the menu display. Main Features of the Operation Controls Switching Between Tabs Continuous Image mode White balance Metering Continuous ISO sensitivity AF area mode Exit Continuous Image mode White balance Metering Continuous ISO sensitivity AF area mode Exit Set up Welcome screen Date Monitor settings Date imprint Vibration reduction Motion detection Exit Introduction Press the rotary multi selector J to highlight the tab Press the rotary multi selector H or I to select a tab, and press either the k button or K The selected menu is displayed The Shutter-release Button The camera features a two-stage shutter-release button. To set focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. When the shutter-release button is pressed halfway, focus and exposure (shutter speed and aperture value) are set.

Focus and exposure remain locked while the shutter-release button is pressed halfway. While the shutter-release button is held in this position, release the shutter and take a picture by pressing the shutter-release button the rest of the way down. Do not use force when pressing the shutter-release button, as this may result in camera shake and blurred images. Press halfway to set focus and exposure Press the rest of the way down to take a picture Attaching the Camera Strap 11 First Steps Inserting the Battery Insert a Rechargeable Li-ion Battery EN-EL12 (supplied) into the camera. · Charge the battery before the first use or when the battery is running low (A 14).

1 First Steps Open the battery-chamber/memory card slot cover. 2 Insert the supplied battery. Use the edge of the battery to push the orange battery latch in the direction indicated by the arrow (1) and fully insert the battery (2). When the battery is fully inserted, the battery latch will lock it in place. Battery chamber B Inserting the Battery Inserting the battery upside down or backwards could damage the camera. Be sure to check that the battery is in the correct orientation. 3 Close the battery-chamber/memory card slot cover. 12 Inserting the Battery Removing the Battery Turn the camera off (A 17) and be sure that the power-on lamp and the monitor have turned off before opening the battery-chamber/memory card slot cover. To eject the battery, open the battery-chamber/memory card slot cover and slide the orange battery latch in the direction indicated by the arrow (1). The battery can then be removed by hand (2).

· The battery or memory card may be hot immediately after using the camera. Observe caution when removing the battery or memory card. First Steps B Notes on the Battery · Be sure to read and follow the warnings for the battery on page iii and the section, "The Battery" (A 181), before use. · If the battery will not be used for an extended period, recharge it at least once every six months and run it flat before returning it to storage. 13 Charging the Battery Charge the supplied Rechargeable Li-ion Battery EN-EL12 inserted into the camera, by connecting the supplied Charging AC Adapter EH-68P to the camera via the supplied USB Cable UC-E6, and then plugging the Charging AC Adapter into an electrical outlet. 1 First Steps Prepare the Charging AC Adapter EH-68P. If a plug adapter* is included, attach the plug adapter to the plug on the Charging AC Adapter. Push the plug adapter firmly until it is securely held in place. Once the two are connected, attempting to forcibly remove the plug adapter could damage the product. * The shape of the plug adapter varies according to the country or region in which the camera was purchased.

For Customers in Argentina If the camera was purchased in Argentina, the shape of the Charging AC Adapter EH-68P (AR) differs from that supplied in other countries, and a plug adapter is not included. Proceed to step 2. EH-68P (AR) 2 3 Insert the battery (A 12). Do not turn the camera on. Use the supplied USB cable to connect the Charging AC Adapter to the camera.

Be sure that connectors are properly oriented. Do not attempt to insert connectors at an angle, and do not use force when connecting or disconnecting the USB cable. USB cable 14 Charging the Battery 4 Plug the Charging AC Adapter into an electrical outlet. The charge lamp slowly blinks green to indicate that the battery is charging. About three hours and 50 minutes are required to charge a fully exhausted battery.

First Steps The following chart explains charge lamp status when the camera is plugged into the electrical outlet. Charge lamp Blinks slowly (green) Battery charging. Off Description Battery not charging. When charging is complete, the charge lamp stops blinking green and turns off. · The ambient temperature is not suited to charging. Charge the battery indoors with an ambient temperature of 5 °C to 35 °C (41 °F to 95 °F). · The USB cable or Charging AC Adapter is not properly connected, or there is a problem with the battery. Disconnect the USB cable or unplug the Charging AC Adapter and correctly connect it again, or change the battery. Flickers (green) 5 Disconnect the Charging AC Adapter from the electrical outlet and then disconnect the USB cable. 15 Charging the Battery B Notes on Charging AC Adapter · The Charging AC Adapter EH-68P is for use only with compatible devices.

Do not use with another make or model of device. · Be sure to read and follow the warnings for the Charging AC Adapter on page iii and the section, "The Battery" (A 181), before use. · The EH-68P is compatible with AC 100-240 V, 50/60 Hz electrical outlets. When using in other countries, use a plug adapter (commercially available) as necessary. For more information about plug adapters, consult your travel agency.



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· The Charging AC Adapter EH-68P is for charging the battery inserted into the camera. When the camera is connected to an electrical outlet with the Charging AC Adapter, the camera cannot be turned on. · Do not, under any circumstances, use another make or model of USB-AC adapter other than Charging AC Adapter EH-68P. Failure to observe this precaution could result in overheating or in damage to the camera. First Steps C AC Power Source · If the AC Adapter EH-62F (available separately; A 183) is used, power is supplied to the camera from an electrical outlet and taking pictures and playing back images are available with this camera.

· Do not, under any circumstances, use another make or model of AC adapter other than EH-62F. Failure to observe this precaution could result in overheating or in damage to the camera. D Charging Using Computer or Battery Charger · Connecting the COOLPIX S8100 to a computer also charges the Rechargeable Li-ion Battery EN-EL12 (A 145, 174). · The EN-EL12 can be charged without using the camera by using the Battery Charger MH-65 (available separately; A 183). 16 Charging the Battery Turning On and Off the Camera Press the power switch to turn on the camera.

The power-on lamp (green) will light, and then the monitor will turn on (the power-on lamp turns off when the monitor turns on). To turn off the camera, press the power switch again. When the camera is turned off, the power-on lamp and the monitor will turn off. · If the camera is turned off, hold down the c button to turn the camera on in playback mode (A 28). First Steps C Power Saving Function (Auto Off) If no operations are performed for a while, the monitor will turn off, the camera will enter standby mode, and the power-on lamp will blink.

If no operations are performed for another three minutes, the camera will turn off automatically. When the power-on lamp is blinking, the following operations will turn the monitor back on. - Pressing the power switch, shutter-release button, c button, or b (movie-record) button - Rotating the mode dial · In shooting or playback mode, the camera will enter standby mode in about one minute (default setting). · The time allowed to elapse before the camera enters standby mode can be changed from the Auto off option (A 171) in the setup menu (A 157). 17 Setting Display Language, Date, and Time When the first time the camera is turned on, the language-selection screen and the date and time setting screen for the camera clock are displayed. 1 First Steps Press the power switch to turn on the camera. The power-on lamp (green) will light, and then the monitor will turn on (the power-on lamp turns off when the monitor turns on). 2 Use the rotary multi selector to choose the desired language and press the k button. Rotary multi selector 3 Press H or I to choose Yes and press the k button. To cancel setting the date and time, press H or I to select No.

Date Set time and date? Yes No Cancel 4 Press J or K to choose your home time zone (A 162) and press the k button. London Casablanca Back D Daylight Saving Time London Casablanca If daylight saving time is in effect, press H to enable the daylight saving time function while setting the region in step 4.

When the daylight saving time function is enabled, W is displayed at the top of the monitor. Press I to disable the daylight saving time function. 18 Back Setting Display Language, Date, and Time 5 Edit the date and time. Select an item: Press K or J (changes between D, M, Y, hour, minute, DMY (the order in which the day, month, and year are displayed)). Edit the highlighted item: Rotate the rotary multi selector, or press H or I. Day, month, and year can be displayed in DMY, YMD, or MDY order. Date D 01 00 M 01 00 Edit Y 2010 First Steps 6 Finally, choose DMY (the order in which the day, month, and year are displayed) and press the k button or press K. The clock starts.

The lens extends and the screen used for taking pictures is displayed. Date D 15 15 M 11 10 Edit Y 2010 C Date Imprint and Changing the Date and Time · To imprint the date on images while taking pictures, enable date imprint from the Date imprint option (A 165) in the setup menu (A 157) after the date and time have been set. · To change the camera's internal time setting, select Date from the Date option (A 160) in the setup menu (A 157) and follow the procedure described from step 5. · To change the time zone and daylight saving time settings, select Time zone from the Date option (A 160) in the setup menu. 19 Inserting Memory Cards Image, sound, and movie files are saved in the camera's internal memory (approximately 102 MB) or on removable Secure Digital (SD) memory cards (commercially available; A 184).

If a memory card is inserted in the camera, data are automatically saved on the memory card and data saved to the memory card can be played back, deleted, or transferred. Remove the memory card to save data in the internal memory, or play back, delete, or transfer data from the internal memory. First Steps 1 Be sure that the power-on lamp and the monitor are off and open the battery-chamber/memory card slot cover. Be sure to turn off the camera before opening the cover. 2 Insert the memory card.

Slide the memory card in until it clicks into place. Memory card slot B Inserting Memory Cards Inserting the memory card upside down or backwards could damage the camera or the memory card. Be sure to check that the memory card is in the correct orientation. 3 Close the battery-chamber/memory card slot cover. Removing Memory Cards Turn the camera off and be sure that the power-on lamp and the monitor have turned off before opening the battery-chamber/memory card slot cover. Press the card in (1) to partially eject the card, then remove the card by hand while being careful not to remove the card at an angle (2). · The battery or memory card may be hot immediately after using the camera. Observe caution when removing the battery or memory card. 20 Inserting Memory Cards B Formatting Memory Cards If the message on the right is displayed when the camera is turned on, the memory card must be formatted before use (A 172). Note Card is not formatted.

that formatting permanently deletes all images and other data Format card? on the memory card. Be sure to make copies of any images you wish to keep before formatting the memory card. Yes When formatting the memory card, use the rotary multi selector to No choose Yes and press the k button. The confirmation dialog will be displayed. To start formatting, choose Format and press the k button. · Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete. · Be sure to use this camera to format memory cards previously used in other devices the first time they are inserted into the COOLPIX S8100 (A 172).



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First Steps B Note on the Write Protect Switch Write protect switch When memory card switch is in the lock position, data cannot be written to, or deleted from, the memory card. If the switch is in the lock position, unlock it by sliding the switch to the write position to save or delete images, or to format the memory card. B Notes on Memory Cards · Use only Secure Digital memory cards.

· Do not perform the following during formatting, while data is being written to or deleted from the memory card, or during data transfer to a computer. Failure to observe this precaution could result in the loss of data or in damage to the camera or memory card: - Remove the battery or memory card - Turn off the camera - Disconnect the AC adapter · Do not format the memory card using a computer. · Do not disassemble or modify. · Do not drop, bend, or expose to water or strong physical shock. · Do not touch the metal terminals with your fingers or metal objects. · Do not affix labels or stickers to the memory card. · Do not leave in direct sunlight, closed vehicles, or areas exposed to high temperatures. · Do not expose to humidity, dust, or corrosive gases. 21 Basic Photography and Playback: A (Auto) Mode Step 1 Turn the Camera On and Select A (Auto) Mode This section describes taking pictures in A (auto) mode, an automatic, "point-andshoot" mode recommended for first-time users of digital cameras. 1 Press the power switch to turn on the camera.

The lens extends and the monitor turns on. 2 Basic Photography and Playback: A (Auto) Mode Rotate the mode dial to A. Auto mode 3 Check the battery level indicator and the number of exposures remaining. Battery Level Indicator Display (NO INDICATOR) B (glows) N Battery exhausted. Description Battery fully charged. Battery low. Prepare to charge or replace the battery. Cannot take pictures. Recharge or replace with a fully charged battery. Battery level indicator 35 Number of exposures remaining Number of Exposures Remaining The number of pictures that can be taken is displayed.

22 Step 1 Turn the Camera On and Select A (Auto) Mode Indicators Displayed in A (Auto) Mode Vibration reduction icon Vibration reduction can be applied to reduce the effects of camera shake. Shooting mode A displayed in A (auto) mode. 35 Movie options A movie option is displayed for movie recording (A 129, 134). Image mode The combination of image quality (compression) and image size is displayed. The default setting is L 4000 × 3000. Basic Photography and Playback: A (Auto) Mode Internal memory indicator Indicates that images will be saved on the camera's internal memory (approximately 102 MB). When a memory card is inserted in the camera, C does not appear and images will be saved on the memory card. · The indicators and photo info displayed during shooting and playback will turn off after a few seconds (A 163). · When the monitor has turned off in standby mode to save power (the power on lamp is blinking) (A 171), press the following buttons to turn it back on. Power switch or Shutter-release button D Functions Available in A (Auto) Mode · The flash mode (A 30) can be adjusted, the self-timer (A 33) and macro mode (A 36) can be applied.

· Brightness (exposure compensation), vividness, and hue can be adjusted with the creative slider (A 37). · Press the d button to specify settings for all shooting menu items (A 43) according to shooting conditions. The combination of image quality (compression) and image size can be set by using the Image mode option in the shooting menu. D Vibration Reduction · See Vibration reduction (A 166) in the setup menu (A 157) for more information. · Set Vibration reduction to Off when using a tripod to stabilize the camera during shooting.

23 Step 2 Frame a Picture 1 Ready the camera. Hold the camera steadily in both hands. Do not hold the flash down with your fingers or other objects. Keep fingers, hair and other objects away from the lens, flash, AF assist-illuminator and microphone. Flash When taking pictures in portrait ("tall") orientation, turn the camera so that the flash is above the lens.

Basic Photography and Playback: A (Auto) Mode 2 Frame the picture. When the camera detects a human face, that face is framed by a yellow double border (focus area) (default setting). Up to 12 faces can be detected. When the camera detects more than one face, the face closest to the camera is framed by a double border and the others by single borders. 35 When shooting non-human subjects or when no faces are detected, the focus area is not displayed. Position the main subject near the center of the frame. 24 Step 2 Frame a Picture Using the Zoom Use the zoom control to activate optical zoom. Rotate the zoom control toward g to zoom in, increasing the size of the subject. Rotate the zoom control toward f to zoom out, increasing the area visible in the frame. · When the camera is turned on, the zoom is at the widest position.

· A zoom indicator is displayed at the top of the monitor when the zoom control is rotated. Zoom out Zoom in Basic Photography and Playback: A (Auto) Mode Digital Zoom Optical zoom Digital zoom When the camera is zoomed in to the maximum optical zoom position, rotating and holding the zoom control at g triggers digital zoom. Digital zoom can magnify the subject up to about 4× beyond the maximum magnification of the optical zoom. Maximum optical zoom Digital zoom enabled · The camera focuses at the center of the frame and the focus area is not displayed when digital zoom is in effect. C Digital Zoom and Interpolation Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of picture quality according to the image mode (A 44) and digital zoom magnification. Interpolation is applied at zoom positions beyond V when taking still images. When zoom is increased beyond the V position, interpolation is initiated and the zoom indicator turns yellow to indicate that interpolation is being applied. The position of V moves to the right as image size decreases, allowing for confirmation of the zoom positions at which shooting without interpolation is possible at the current image mode setting. Small image size · Digital zoom can be disabled from the Digital zoom option (A 169) in the setup menu (A 157).

25 Step 3 Focus and Shoot 1 Press the shutter-release button halfway.

When the shutter-release button is pressed halfway (A 11), the camera sets focus and exposure (shutter speed and aperture value). Focus and exposure remain locked while the shutter-release button is pressed halfway. When a face is detected: · The camera focuses on the face framed by the double border.



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When the subject is in focus, the double border glows green. 1/250 F 3.

5 Basic Photography and Playback: A (Auto) Mode Shutter speed Aperture When a face is not detected: · The camera has nine focus areas, and automatically selects the focus areas containing the subject closest to the camera. When the subject is in focus, the focus areas that are in focus (up to nine areas) glow green. 1/250 F 3.5 Shutter speed Aperture The camera focuses at the center of the frame and the focus area is not displayed when digital zoom is in effect.

Once focus has been acquired, the focus indicator (A 6) glows green.

While the shutter-release button is pressed halfway, the focus area or focus indicator may blink red. This indicates that the camera is unable to focus. Modify the composition and press the shutter-release button halfway again. If the shutter-release button is pressed halfway when the subject is dimly lit, the AFassist illuminator (A 169) may light or the flash (A 4, 30) may pop up. 2 Press the shutter-release button the rest of the way down. The shutter is released and the image will be saved to the memory card or internal memory. 26 Step 3 Focus and Shoot B Note on Saving Images While images are being saved, the number of exposures remaining will blink. Do not open the battery-chamber/memory card slot cover while images are being saved. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card. B Autofocus Autofocus may not perform as expected in the following situations.

In some rare cases, the subject may not be in focus despite the fact that the focus area or the focus indicator glows green: · Subject is very dark · Objects of sharply differing brightness are included in the scene (e.g. the sun is behind the subject and the subject is in deep shadow) · No contrast between the subject and surroundings (e.g. when the subject is wearing a white shirt and is standing in front of a white wall) · Subject contains objects of varying distances from the camera (such as a cage with an animal inside) · Subjects with repeating patterns (window blinds, buildings with multiple rows of similarly shaped windows, etc.) · Subject is moving rapidly In the situations noted above, try pressing the shutter-release button halfway to refocus several times, or focus on another subject positioned at the same distance from the camera as the actual desired subject, and use focus lock (A 51). Basic Photography and Playback: A

(Auto) Mode B B C Note on Face Detection When the Subject Is Close to the Camera See "AF Area Mode" (A 50) or "Face Detection" (A 52) for more information. If the camera cannot focus, try shooting with macro mode (A 36) or the Close-up scene mode (A 64). Flash · When the flash mode (A 30) is set to U (auto) (default setting) and the subject is dimly lit, the flash pops up automatically when the shutter-release button is pressed halfway, and the flash fires when the shutter-release button is pressed the rest of the way. · If the flash mode is set to W (off) (A 30), the camera can shoot pictures with the flash lowered.

· Lower the flash by gently pushing it down. When not taking pictures, lower the flash. 27 Step 4 Playing Back and Deleting Images Playing Back Images (Playback Mode) Press the c (playback) button. The last image captured will be displayed in full-frame playback mode. Rotate the rotary multi selector, or press H, I, J, or K to view previous or next images (A 9).

To return to shooting mode, press the c button, shutter-release button, or b (movie-record) button. When playing back images saved in the camera's internal memory, C is displayed. When a memory card is inserted in the camera, C is not displayed and images saved on the memory card are played back. Basic Photography and Playback: A (Auto) Mode b (movie-record) button c (playback) button Rotary multi selector 15/11/2010 15:30 0004.JPG Internal memory indicator 4/4 C C C When the Monitor Has Turned Off to Save Power When the power-on lamp is blinking, press the power switch, shutter-release button, or c button to turn the monitor back on (A 171).

Operations Available in Playback Mode Displaying Shooting Information 1 0 0 N I KO N 0004.JPG 1/250 F 3.5 +1.0 100 4 See "More on Playback" (A 80) or "Editing Images" (A 122) for more information. Press the k button in full-frame playback mode to display the highlight, histogram, and shooting information (A 82). Press the k button again to return to full-frame playback mode. ISO 4/ C C Pressing the c Button to Turn On the Camera When the camera is off, holding down the c button will turn the camera on in playback mode. The lens will not extend. Viewing Images 28 · When images in which a face was detected during shooting (A 52) are displayed in full-frame playback mode, depending upon the orientation of the detected face, the images may be automatically rotated for playback display except images captured with continuous shooting mode (A 73). · When images captured with the continuous shooting feature are displayed, each series of images is treated as a group, and only the group's "key picture" is displayed (sequence display A 83).

Step 4 Playing Back and Deleting Images Deleting Unwanted Images 1 2 Press the l button to delete the image currently displayed in the monitor. To exit without deleting, press the rotary multi selector J. Press the rotary multi selector H or I to choose the desired deletion method and press the k button. Current image: Only the current image or voice memo (A 118) is deleted. Erase selected images: Multiple images can be selected and deleted. "Operating the Erase Selected Images Screen" All images: All images are deleted. Delete Basic Photography and Playback: A (Auto) Mode Current image Erase selected images All images 3 Press H or I to choose Yes and press the k button. Deleted images cannot be recovered. To cancel, press H or I to select No and press the k button. Erase 1 image? Yes No Operating the Erase Selected Images Screen 1 Press the rotary multi selector J or K to choose an image to be deleted and press H to add y to the image and mark it for deletion.

To undo the selection, press I to remove y. Rotate the zoom control (A 4) to g (i) to switch back to full-frame playback or f (h) to display thumbnails. Erase selected images Back ON/OFF 2 B Add y to all desired images and then press the k button to confirm the selection. A confirmation dialog is displayed. Follow the instructions displayed in the monitor.

Notes on Deletion · Deleted images cannot be restored. Transfer important images to a computer before deleting them. · Protected images cannot be deleted (A 114).



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· Deleting images captured with the continuous shooting feature "Deleting Images in a Sequence" (A 84) C Deleting the Last Image Captured While in Shooting Mode In shooting mode, press the l button to delete the last image captured. 29 Using the Flash The flash mode can be set to match the shooting conditions.

· When ISO sensitivity is set to Auto, the flash has a range of 0.5-4.0 m (1 ft. 8 in.-13 ft.) at the maximum wide-angle zoom position and a range of 0.5-2.5 m (1 ft. 8 in.-8 ft.

2 in.) at the maximum telephoto zoom position. U V Basic Photography and Playback: A (Auto) Mode Auto Flash fires automatically when lighting is dim. Auto with red-eye reduction Reduce "red-eye" in portraits (A 32). Off Flash will not fire even when lighting is dim. Fill flash Flash fires whenever a picture is taken. Use to "fill-in" (illuminate) shadows and backlit subjects. W X Y Slow sync Auto flash mode is combined with slow shutter speed. Suited to evening and night portraits that include background scenery. Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim lighting.

Raising and Lowering the Flash · Auto flash (U auto, V auto with redeye reduction, or Y slow sync): if the subject is dimly lit, the flash automatically pops up when the shutter-release button is pressed halfway. The camera determines whether or not the flash pops up based on the brightness of the subject and the settings used during shooting. · W off: The flash does not pop up, even when the shutter-release button is pressed halfway. The camera can shoot pictures with the flash lowered. · X fill flash: The flash pops up when the shutter-release button is pressed halfway during shooting.

When not taking pictures, lower the flash. Lower the flash by gently pushing it down, being careful not to pinch fingers or other objects. 30 Using the Flash Setting the Flash Mode 1 Press the rotary multi selector m (flash mode). The flash mode menu is displayed. 2 Use the rotary multi selector to choose the desired mode and press the k button.

The icon for the selected flash mode is displayed. When U (auto) is applied, D is only displayed for a few seconds, regardless of Photo info settings (A 164). If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. Basic Photography and Playback: A (Auto) Mode Flash mode 35 B Notes on Shooting When the Flash Is Disabled (W) or Lighting Is Dim · Use of a tripod is recommended to stabilize the camera during shooting. Set Vibration reduction (A 166) to Off in setup menu (A 157) when using a tripod to stabilize the camera. · E may be displayed in the shooting screen. When E is displayed, ISO sensitivity is automatically increased. · The noise reduction function may be activated with some shooting conditions such as dim lighting. More time than usual is required to save images to which noise reduction is applied. B Note on the Flash When using the flash, reflections from dust particles in the air may appear as bright spots in images.

To reduce these reflections, set the flash to W (off). 31 Using the Flash C The Flash Lamp The flash lamp indicates flash status when the shutter-release button is pressed halfway. · On: Flash will fire when picture is taken. · Blinks: Flash charging. Wait a few seconds and try again. · Off: Flash will not fire when picture is taken. If the battery is low, the monitor display will turn off, and remain off, until the flash is fully charged. C The Flash Mode Setting Basic Photography and Playback: A (Auto) Mode The default flash mode setting varies with shooting mode (A 42). · A (auto): U (auto) · x (scene auto selector): U (auto). The camera selects the optimum flash mode setting for the scene mode it has selected.

· y: varies with the selected scene mode (A 6167) · j (night landscape): fixed at W (off) · e (night portrait): fixed at V (auto with red-eye reduction) · R (backlighting): fixed at X (fill flash) (when HDR is Off), fixed at W (off) (when HDR is On) (A 60) · s (subject tracking): U (auto) · C (continuous): fixed at W (off) The flash cannot be used simultaneously with certain functions. See "Camera Settings that Cannot Be Applied Simultaneously" (A 78) for more information. The flash mode setting applied in A (auto) mode is saved in the camera's memory even after the camera is turned off. C Red-eye Reduction This camera uses advanced red-eye reduction (In-Camera Red-Eye Fix). 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 will be processed to reduce red-eye before the image is saved. Note the followings 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 some situations.

· In extremely rare instances, areas not subject to red-eye may be affected by red-eye reduction processing; in these cases, choose another flash mode and try again. 32 Taking Pictures with the Self-timer The self-timer is useful for self-portraits or reducing the effects of camera shake that occur when the shutter-release button is pressed. When using the self-timer, use of a tripod is recommended. Set Vibration reduction (A 166) to Off in the setup menu (A 157) when using a tripod to stabilize the camera during shooting. 1 Press the rotary multi selector n (self-timer). The self-timer menu is displayed. Basic Photography and Playback: A (Auto) Mode 2 Use the rotary multi selector to choose 10s or 2s and press the k button. 10s (ten seconds): Use on important occasions, such as weddings. 2s (two seconds): Use to prevent camera shake. When a is selected, the camera uses face detection to Self-timer detect a human face, and then automatically releases the shutter when a smile is detected (A 34).

The mode selected for self-timer is displayed. If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. 3 Frame the picture and press the shutter-release button halfway. Focus and exposure will be set. 10 1/250 F 3.5 4 Press the shutter-release button the rest of the way down. The self-timer starts, and the number of seconds remaining before the shutter is released is displayed in the monitor. The self-timer lamp blinks while the timer is counting down. About one second before the shutter is released, the lamp stops blinking and glows steadily. When the shutter is released, the self-timer will be set to OFF.

To stop the timer before a picture is taken, press the shutter-release button again.



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