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You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX P100. You'll find the answers to all your questions on the NIKON COOLPIX P100 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 P100
User guide NIKON COOLPIX P100
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Nikon

DIGITAL CAMERA

COOLPIX P100

User's Manual



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Manual abstract:

· PictBridge is a trademark. © · All other trade names mentioned in this manual or the other documentation provided with your Nikon product are trademarks or registered trademarks of their respective holders. AVC Patent Portfolio License This product is licensed under the AVC Patent Portfolio License for the personal and non-commercial use of a consumer to (i) encode video in compliance with the AVC standard ("AVC video") and/or (ii) decode AVC video that was encoded by a consumer engaged in a personal and non-commercial activity and/or was obtained from a video provider licensed to provide AVC video. No license is granted or shall be implied for any other use. Additional information may be obtained from MPEG LA, L.L.C. See <http://www.mpegla.com>.

Introduction First Steps Basic Photography and Playback: A (Auto) Mode More on Shooting More on Playback Editing Pictures 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. The consequences that could result from failure to observe the precautions listed in this section are indicated by the following symbol: 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 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-EL5 (supplied). Charge the battery by inserting it into the camera and connecting the Charging AC Adapter EH-68P/EH-68P (AR) (supplied). · 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 DCto-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 CD-ROMs 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 Notice for Customers in the U.S.A. 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.



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These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

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

If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures: · Reorient or relocate the receiving antenna. · Increase the separation between the equipment and receiver. · Connect the equipment into an outlet on a circuit different from that to which the receiver is connected. · Consult the dealer or an experienced radio/television technician for help. COOLPIX P100 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. 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 v Notices 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. Notice for customers in Europe 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.

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This manual is written to help you enjoy taking pictures with your Nikon digital camera. Read this manual thoroughly before use, and keep it where all those who use the product will read it.

Symbols and Conventions To make it easier to find the information you need, the following symbols and conventions are used: This icon marks cautions, information that should be read before use, to prevent damage to the camera. This icon marks tips, additional information that may be helpful when using the camera. Introduction B D C This icon marks notes, information that should be read before using the camera. A This icon indicates that more information is available elsewhere in this manual or in the Quick Start Guide. Notations · A Secure Digital (SD) memory card is referred to as a "memory card". · 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 in a computer monitor are indicated in bold text. Screen Samples In this manual, images are sometimes omitted from monitor and electronic viewfinder display samples so that monitor indicators can be more clearly shown. Illustrations and Screen Display Illustrations and text displays shown in this manual may differ from actual display. C Memory Cards Pictures taken with this camera can be stored in the camera's internal memory or on removable memory cards.

If a memory card is inserted, all new pictures will be stored on the memory card and delete, playback, and format operations will apply only to the pictures on the memory card. The memory card must be removed before the internal memory can be formatted or used to store pictures to, or delete, or view pictures. 1 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. See the URL 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, Charging AC Adapters 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.

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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).



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Be sure to also replace any pictures selected for the welcome screen (A154). 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 Built-in flash raised Introduction 1 2 3 6 4 5 7 8 9 10 11 1 2 3 4 5 6 7 Power switch/Power-on lamp ..

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.....117, 127 Built-in flash

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....7, 34 m (Flash pop-up) button.

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....7, 35 Eyelet for camera strap (at two places)

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.....7 Power connector cover (for connection with an optional AC Adapter)..

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179 8 Shutter-release button.....

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30 Zoom control

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29 f: Wide

.....14 Diopter adjustment control...

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. 14 Electronic viewfinder

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....14 s (display) button .

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15 b (movie-record) button.....

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127 Movie mode switch

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... 127 Command dial ..

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11 k (apply selection) button

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.... 12 USB/Audio video connector .

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.138, 141, 147 13 Monitor

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.....8, 15, 27 14 c (playback) button....

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.....32 15 d button.

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13, 45, 74, 107, 132, 153 16 Multi selector.....

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.....12 17 1 (delete) button....

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...32, 33, 117, 137 18 Tripod socket 19 Battery-chamber/memory card slot cover ..

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..... 16, 24 20 Cover latch...

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..... 16, 24 21 Memory card slot

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.....24 22 Battery latch....

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. 16, 17 23 Battery chamber.....

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.....16 10 HDMI Mini Connector

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... 138 11 12 Connector cover

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..138, 141, 147 5 Parts of the Camera Changing the Angle of the Monitor The angle of the monitor can be lowered down to 82° or raised upward to 90°. This is convenient when taking pictures with the camera held at high or low positions. Introduction B 6 Notes on Monitor · Do not apply excessive force when changing the angle of the monitor. · The monitor cannot be moved horizontally. · Put the monitor back in the original position when using in normal situations. Parts of the Camera Raising and Lowering the Built-in Flash Press the m (flash pop-up) button to raise the built-in flash. · See "Using the Flash" (A34) for more information on setting the flash. · When not using the built-in flash, gently push the flash down.

Introduction Attaching the Camera Strap and Lens Cap Attach the lens cap to the strap, and then attach the strap to the camera (at two places). B Lens Cap · Remove the lens cap before you shoot a picture. · At times when you will not be shooting pictures such as when the power is off, or while you are carrying the camera, attach the lens cap to the camera to protect the lens. 7 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). See page 15 for details on changing the monitor display. Introduction Shooting 44 43 42 41 40 39 38 37 36 35 34 33 1/250 F5.6 999 2 4 1 3 6 5 89 11 10 13 14 16 12 15 17 18 19 7 20 21 31 32 26 24 25 22 30 29 28 27 23 999 9999 1m00s 1m00s a b 45 46 1/250 F5.6 17 8 Parts of the Camera Introduction 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 Shooting mode* ...

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....26, 43, 45, 55, 59, 62, 66, 98 Focus mode.....

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.....38 Zoom indicator ..

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.....29 Focus indicator.

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.30 AE/AF-L indicator.....

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...54 Flash indicator..

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..36 Flash mode

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.....34 Flash exposure compensation ...

93 Battery level indicator

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..26 Motion detection icon ...

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.....162 Vibration reduction icon (still pictures) .

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.....160 Electronic VR icon (movies) ..

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136 Noise reduction
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94 Distortion control
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.94 Active D-Lighting...
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...95 Wind noise reduction.....

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...136 "Date not set" indicator.....

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....183 Travel destination indicator.
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.....155 Date imprint....
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.....159 Movie options...

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..132 HS movie options ...
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134 Image size.....

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...76 (a) Number of exposures remaining (still pictures) ..

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..26 (b) Movie length.....

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...127 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 Internal memory indicator..

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.... 27 Image quality.....

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.... 75 Aperture.....

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..... 67 Focus area (for manual, center)....30, 90 Focus area (for auto).

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.... 90 Focus area (for face priority).....

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55, 90 Focus area (for subject tracking mode)....

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.... 59 Shutter speed.....

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... 67 Exposure display.....

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..... 71 ISO sensitivity

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...36, 84 Exposure compensation value..
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41 Skin softening
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... 57 Smile timer..
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... 57 Blink proof ..
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..... 58 B&W + color.
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.. 81 Image optimization.....
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..... 79 White balance mode ..
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. 82 Self-timer indicator
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... 37 Bracketing..
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89 Continuous shooting mode.....

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... 86 High-speed mode

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.. 64 Pre-shooting cache...

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..64, 65 Spot metering area...

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.... 85 Center-weighted area .

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85 * Differs according to the current shooting mode. 9 Parts of the Camera Introduction Playback 1 20 19 18 17 16 15 14 10 11 12 13 999/999 9999/9999
1m00s 1m00s 23 4 5 22 21 15/05/2010 12:00 9999.JPG 6 7 8 999/999 9 a b 1 2 3 4 5 6 7 8 9 Date of recording.....

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... 22 Time of recording

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... 22 Protect icon..

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.....113 Volume indicator.....

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....117, 137 Battery level indicator

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.....26 Image quality*

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Flash mode For Playback Choose the previous picture 15/05/2010 15:30 0004.

JPG Choose the next picture 4 4 For the Menu Screen Choose the option above Choose the option on the left/Return display to the previous screen Choose the option below Choose the option on the right/Display sub-menu or apply selection Apply selection or display sub-menu Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Metering Continuous C 12 Note on the Multi Selector In this manual, up, down, left, and right presses of the multi selector may be indicated with H, I, J and K. Basic Operations The d Button Press the d button to display the menu and to select options for the menu items. · Use the multi selector to navigate the menus (A12). · Menu items can also be chosen by rotating the command dial. · Select a tab on the left side of the monitor to display the corresponding menu.

· Press the d button again to exit the menu. Displayed when the menu contains two or more pages Displays the menus for the mode selected by the mode dial Displays the movie menu Displays the playback menu Displays the setup menu Displayed when there are following menu options Shooting menu Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Metering Continuous Introduction Autofocus mode Single AF Full-time AF 0.0 Displayed when there are previous menu options Auto bracketing AF area mode Autofocus mode Flash exp. comp. Noise reduction Distortion control Active D-Lighting Select an item, then press the k button or the multi selector K to proceed to the next set of options.

Press the k button or the multi selector K to apply the selection. Switching Between Tabs Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Metering Continuous Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Metering Continuous Set up Welcome screen Date Monitor settings Date imprint Vibration reduction Motion detection AF assist Press the multi selector J to highlight the tab. Press the multi selector HI to choose another tab, and press either the k button or K. The chosen menu is displayed. 13 Basic Operations Help Displays Rotate the zoom control to g (j) when M is displayed at the bottom of the menu screen to view a description of the currently selected menu option. To return to the original menu, rotate the zoom control to g (j) again. Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Metering Continuous White balance For accurate color reproduction, choose a setting that matches the light source. Introduction Back The x (monitor) Button Press the x (monitor) button to switch between the monitor or electronic viewfinder. Switch to the one that suits the shooting conditions. For example, use the electronic viewfinder in bright locations when it is difficult to see the monitor.

Monitor Electronic viewfinder 1/250 F5.6 17 1/250 F5.6 17 1/250 F5.6 17 B Diopter Adjustment of Electronic Viewfinder Diopter adjustment control When the diopter for the electronic viewfinder is out of focus and the display is difficult to see, adjust the diopter with the diopter adjustment control. While looking into the viewfinder, rotate the diopter adjustment control until the display is clearly visible. Take care not to scratch your eye with your fingertips or nails when rotating the diopter adjustment control. 14 Basic Operations The s (display) Button To switch between the information displayed on the monitor during shooting and playback, press the s button. Introduction For Shooting 1/250 F5.6 17 1/250 F5.6 17 Display information Display the picture and the shooting data.

Framing grids1 Display a boxed guide for framing. Information hidden Display the picture only. For Playback 15/05/2010 15:30 0004.JPG 100NIKON 0004.JPG P 1/250 F5.

6 +1.0 200 4 ISO 4 4 4 Display photo information Display the picture taken and the photo information. Display shooting data (except for movies) Display highlight2, histogram3 and shooting data4. Information hidden Display only the taken picture. 1 Available only when mode dial is set to A, B, C, D or M. 2 The brightest portions of the image (portions that are highlighted) will blink. Use highlights as a guide when setting exposure. 3 The histogram is a bar graph that shows the brightness distribution in the picture. The horizontal axis corresponds to pixel brightness, with dark tones to the left and bright tones to the right. The vertical axis shows the number of pixels. 4 The shooting data displayed includes the folder name, file name, shooting mode used (A, B, C or D), shutter speed, aperture, exposure compensation, ISO sensitivity, and the current file number/ total number of exposures. A is displayed when the shooting mode A, y, x, F, s, d or A is chosen. 15 First Steps Inserting the Battery Insert a Rechargeable Li-ion Battery EN-EL5 (supplied) into the camera. · Charge the battery before first use or when the battery is running low (A18). 1 First Steps Open the battery-chamber/memory card slot cover.

· Slide the cover latch to the Y position (1), and open the battery-chamber/memory card slot cover (2). 2 Insert the battery. · Confirm that the positive (+) and negative (-) terminals are oriented correctly, as shown on the label at the entrance of the battery chamber, and insert the battery. · Use 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. PUSH TO EJECT B Inserting the Battery Correctly Inserting the battery upside down or backwards could damage the camera. Be sure to confirm that the battery is in the correct orientation. PUSH TO EJECT 3 Close the battery-chamber/memory card slot cover. · Close the battery-chamber/memory card slot cover (1), and slide the cover latch to the Z position (2). 16 Inserting the Battery Removing the Battery Turn the camera off (A21) and confirm that the power on lamp and the monitor are off before opening the battery-chamber/memory card slot cover.

Slide the orange battery latch in the direction shown (1) and eject the battery. Pull the battery out straight (2). · Note that the battery may become hot during use; observe due caution when removing the battery. PUSH TO EJECT First Steps B Notes on the Battery · Be sure to read and follow the warnings and cautions of "For Your Safety" (Aii) thoroughly before using the battery. · Be sure to read and follow the warnings for "The Battery" (A176) of the section "Caring for the Camera" thoroughly before using the battery.



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· 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. 17 Charging the Battery Charge the supplied Rechargeable Li-ion Battery EN-EL5 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 Be sure that the power-on lamp and the monitor are off. · Be sure to insert the battery into the camera (A16) and turn off the camera (A21). Use the supplied USB cable to connect the Charging AC Adapter to the camera. USB cable B 18 Connecting the Cable When connecting the cable, be sure that the camera connector is properly oriented. Do not use force when connecting the cable to the camera. When disconnecting the cable, do not pull the connector at an angle.

Charging the Battery 4 Plug the Charging AC Adapter into an electrical outlet. · The camera's power-on lamp slowly blinks orange to indicate that the battery is charging. · About three hours and 30 minutes are required to charge a fully exhausted battery. First Steps · The following chart explains power-on lamp status when the camera is plugged into the electrical outlet. Power-on lamp Blinks slowly (orange) Off Battery charging. Description Not charging.

When the power-on lamp changes from slow blinking (orange) to off, charging is complete. · Operating temperature range exceeded. Charge the battery indoors with an ambient temperature of 5 °C to 35 °C (41 °F to 95 °F). · A USB cable is incorrectly connected, a Charging AC Adapter is incorrectly plugged in, or the battery is faulty.

Disconnect the USB cable or unplug the Charging AC Adapter and correctly connect it again, or change the battery. Flickers (orange) 5 Disconnect the Charging AC Adapter from the electrical outlet and then disconnect the USB cable. 19 Charging the Battery B Notes on Charging AC Adapter · Do not use the Charging AC Adapter EH-68P with any device that is not supported. · Be sure to read and follow the warnings and cautions of "For Your Safety" (Aii) thoroughly before using the EH-68P. · Be sure to read and follow the warnings for "The Battery" (A176) thoroughly before using the battery.

· The EH-68P is compatible with AC 100-240 V, 50/60 Hz electrical outlets. When using in other countries, use a third-party plug adapter as necessary. For more information about plug adapters, consult your travel agency. · 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 EH-68P, it cannot be turned on.

· Do not, under any circumstances, use a Charging AC Adapter other than the EH-68P or a USB AC adapter. Failure to observe this precaution could result in overheating or in damage to the camera. First Steps C Notes on AC Power Supply · If the AC Adapter EH-62A (available separately) (A179) is used, power is supplied to the camera from an electrical outlet and taking pictures and playing back pictures are available with this camera. · Do not, under any circumstances, use any AC adapter other than the EH-62A. 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 P100 to a computer also charges the Rechargeable Li-ion Battery EN-EL5 (A145, 168). · Rechargeable Li-ion Battery EN-EL5 can also be charged using the Battery Charger MH-61 (available separately) (A179). 20 Charging the Battery Turning On and Off the Camera Remove the lens cap before turning on the camera. Press the power switch to turn on the camera. The power-on lamp (green) will light for a moment and the monitor will turn on.

Press the power switch again to turn off the camera. When the power is turned off, both the power-on lamp and monitor turn off. · When the camera is off, holding down the c button will turn the camera on in playback mode (A32). First Steps C Lens Error If Lens error. (If the lens cap is attached, turn the camera off, remove the lens cap, and turn the camera on.) is displayed, check that the lens cap has been removed and turn the camera on again. C Standby Mode (Auto Power Off) If no operations are performed, the monitor turns off automatically, the camera enters standby mode and the power-on lamp blinks. If no operations are performed for another three minutes, the camera will turn off automatically. · During shooting or playback, if no operations are performed for about a minute (default setting), the camera enters standby mode. · If the monitor is off in standby mode (when the power-on lamp blinks), perform the following operations to turn on the monitor.

- Press the power switch, the shutter-release button or the c button. · Rotate the mode dial. · The time that elapses before the camera enters standby mode can be changed from the Auto off (A165) in the setup menu (A152). 21 Setting Display Language, Date and Time A language-selection dialog is displayed the first time the camera is turned on. 1 First Steps Press the power switch to turn on the camera.

· The power-on lamp (green) will light for a moment and the monitor will turn on. · Remove the lens cap. 2 Use the multi selector to choose the desired language and press the k button. · For information on using the multi selector, see "The Multi Selector" (A12). 3 Choose Yes and press the k button. · If No is selected, the date and time will not be set. Date Set time and date? Yes No 4 Press the multi selector J or K to select your home time zone (A157), and press the k button. London Casablanca Back D Daylight Saving Time London Casablanca If daylight saving time is in effect, press the multi selector H in the time zone selection screen displayed in step 4 to turn on the daylight saving time option. When the daylight saving time option is enabled, W is displayed at the top of the monitor. To turn off the daylight saving time option, press I.



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Back 22 Setting Display Language, Date and Time 5 Edit the date. · Press H or I to edit the highlighted item. · Press K to move the highlight in the following order. D (day) M (month) Y (year) hour minute DMY (the order in which the day, month, and year are displayed) · Press J to return the cursor to the previous item. Date D 01 00 M 01 00 Edit Y 2010 First Steps 6 Choose the order in which the day, month and year are displayed.

Date D 15 15 M 05 10 Edit Y 2010 7 Make sure that the lens cap is removed, and then press the k button or K. · The settings are applied and monitor display reverts to shooting mode. · The lens will extend at this time. D Changing the Date and Time and Imprinting the Date · Select Date from Date (A155) in the setup menu (A152) to change the current date and time, and follow the procedure described in step 5 above. · Select Time zone from Date in the setup menu to change the time zone and daylight saving time settings (A155). · To imprint the date on pictures, first set the date and time, and set Date imprint in the setup menu (A159). 23 Inserting Memory Cards Image and movie files are stored in the camera's internal memory (approx. 43 MB) or on removable memory cards (available separately) (A180). If a memory card is inserted in the camera, data is automatically stored on the memory card and data recorded to the memory card can be played back, deleted, or transferred. Remove the memory card to store data in the internal memory, or play back, delete, or transfer data from the internal memory.

First Steps 1 Confirm that the power-on lamp and the monitor are turned off and open the battery-chamber/memory card slot cover. · Be sure to turn off the camera before opening the battery-chamber/memory card slot cover. 2 Insert the memory card. · Slide the memory card in correctly as shown on the right, until it clicks into place. · Close the battery-chamber/memory card slot cover after inserting the memory card.

PUSH TO EJECT B Inserting the Memory Card Correctly Inserting the memory card upside down or backwards could damage the camera or the memory card. Be sure to confirm that the memory card is in the correct orientation. PUSH TO EJECT Removing Memory Cards Before removing memory cards, turn the camera off and confirm that the power-on lamp and the monitor are off. Open the battery-chamber/memory card slot cover and press the card in (1) gently to partially eject the card. Pull the memory card out straight (2).

PUSH TO EJECT 24 Inserting Memory Cards B Formatting a Memory Card If the message at the right is displayed when the camera is turned on, the memory card is not formatted. Format card? on, the memory card must be formatted before use. Note that formatting (A166) permanently deletes all data on the memory card. Be sure to make copies of any pictures you wish to keep before formatting the memory card. To format, use the multi selector to choose Yes and press the k button. When the confirmation dialog is displayed, choose Format and press the k button to start formatting. · Do not turn the camera off, or open the battery-chamber/memory card slot cover until formatting is complete. · When you insert memory cards used in other devices into this camera for the first time, be sure to format them (A166) with this camera. First Steps B The Write Protect Switch Write protect switch Memory cards are equipped with a write protect switch. When this 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 record or delete pictures, or to format the memory card. B Memory Cards · Use only Secure Digital memory cards. · Do not perform the following operations 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: - Eject the memory card - Remove the battery - Turn off the camera - Disconnect the AC adapter · Do not use a computer to format the memory card. · Do not disassemble or modify. · Do not drop, bend, or expose to water or strong physical shocks. · 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 to corrosive gases.

25 Basic Photography and Playback: A (Auto) Mode Step 1 Turn the Camera On and Select A (Auto) Mode This section describes how to take pictures in A (auto) mode, an automatic, "point-and-shoot" mode recommended for first-time users of digital cameras. 1 Remove the lens cap and press the power switch. · The power will be turned on, and the lens will extend. · The power-on lamp (green) will light for a moment and the monitor will turn on. Basic Photography and Playback: A (Auto) Mode 2 Rotate the mode dial to A.

Auto mode 3 Check the battery level and number of exposures remaining in the monitor. Battery Level Monitor NO INDICATOR B N Battery exhausted. Description Battery fully charged. Battery level indicator 1/250 F5.6 17 Battery level low; prepare to charge or replace the battery.

Cannot shoot. Recharge or replace with a fully-charged battery. Number of exposures remaining Number of Exposures Remaining The number of exposures remaining will be displayed. The number of pictures that can be stored depends on the remaining capacity of the internal memory or memory card, the image quality, and the image size (A77). 26 Step 1 Turn the Camera On and Select A (Auto) Mode Indicators Displayed in A (Auto) Mode Shooting mode A is displayed in auto mode. Vibration reduction icon Reduces the effects of camera shake. Movie options Displays the types of the movie to be recorded (A133).

Press b (movie-record) button to start the movie recording (A127). Shutter speed (A67) Basic Photography and Playback: A (Auto) Mode 1/250 F5.6 17 Aperture (A67) Image quality and Image size The combination of image quality (compression) and image size is displayed.

The default settings are W (Normal) for image quality and J (3648 × 2736) for image size. Internal memory indicator Pictures will be recorded to internal memory (approx. 43 MB). When a memory card is inserted, C is not displayed and pictures will be recorded to the memory card. If the monitor is turned off in standby mode to save power, press the power switch or the shutter-release button to turn the monitor on (A165). D Note on the Flash When the built-in flash is lowered, the flash setting is fixed to off and W appears at the top of the monitor.



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In situations where flash is needed, such as in dark locations or when the subject is backlit, be sure to raise the built-in flash (A35). D Functions Available in A (Auto) Mode · Focus mode (A38) and exposure compensation (A41) can be applied and pictures can be taken using the flash mode (A34) and self-timer (A37). · Pressing the d button allows you to specify settings for the shooting menu options Image quality (A75) and Image size (A76). D Vibration Reduction · See Vibration reduction (A160) in the setup menu (A152) for more information.

· Set Vibration reduction to Off when using a tripod to stabilize the camera during shooting. 27 Step 2 Frame a Picture 1 Ready the camera. · Hold the camera steadily in both hands. · Keep your fingers, hair, strap and other objects away from the lens, flash, AF-assist illuminator, microphone and speaker. Basic Photography and Playback: A (Auto) Mode 2 Frame the picture.

· Position the main subject near the center of the monitor. 1/250 F5.6 17 Using the Electronic Viewfinder Use the electronic viewfinder to frame pictures when bright light makes it difficult to see the display in the monitor. Press the x button to switch to the electronic viewfinder (A14). When the diopter for the electronic viewfinder is out of focus, rotate the diopter adjustment control to a position where the display is clearly visible (A14).

28 Step 2 Frame a Picture Using the Zoom Rotate the zoom control to activate optical zoom. Rotate in the direction of g to zoom in on the subject. Or rotate in the direction of f to have a wider view. Rotating the zoom control all the way in either direction will adjust the zoom quickly, while rotating the control partially will adjust the zoom slowly. 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 Optical zoom Digital zoom Digital Zoom When the camera is already at the maximum optical zoom magnification, rotating the zoom control in the g direction will trigger digital zoom. The subject can be magnified up to 4× of the maximum optical zoom ratio. Focus will be on the center of the frame and the focus area will not be displayed when digital zoom is in effect. Optical zoom 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 size (A76) and digital zoom magnification.

Interpolation is applied at zoom positions beyond V when shooting still pictures. 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 still pictures without interpolation is possible at the current image size setting. When the image size is small · By using Digital zoom (A164) in the setup menu (A152), it is possible to restrict the magnification of the digital zoom within a range where images may not deteriorate, or to set the digital zoom so that it will not operate. 29 Step 3 Focus and Shoot 1 Press the shutter-release button halfway. · When the button is pressed halfway, the camera focuses. · The camera focuses on the subject in the center focus area display. When the subject is in focus, the focus area display will glow green. Basic Photography and Playback: A (Auto) Mode 1/250 F5.6 · When digital zoom is in effect, the camera focuses on the subject in the center of the frame, and the focus area is not displayed.

When the subject is in focus, the focus indicator (A8) glows green. · Focus and exposure remain locked while the shutter-release button is pressed halfway. · When the shutter-release button is pressed halfway and the camera is unable to focus, the AF-area or focus indicator blinks red. Change the composition and press the shutter-release button halfway again. 2 Press the shutter-release button the rest of the way down.

· The shutter will be released and the picture will be recorded to the memory card or internal memory. Pressing the Shutter-Release Button Halfway/All the Way Down 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. Focus and exposure lock while the shutter-release button is held in this position. To release the shutter and take a picture, press 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 pictures. 30 Press the shutter-release button halfway to lock focus and exposure. Press the shutter-release button the rest of the way down to shoot. Step 3 Focus and Shoot B During Recording While pictures are being recorded, the number of exposures remaining display will blink. Do not open the battery-chamber/memory card slot cover while pictures are being recorded. 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 active focus area, or 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 is in deep shadow) · No contrast between the subject and surroundings (e.

g., when the subject is standing in front of a white wall, wearing a white shirt) · Several objects are at different distances from the camera (e.g., an animal inside a cage) · 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 and use focus lock. When using focus lock, be sure that the distance between the camera and the subject with which focus was locked is the same as that for the actual subject. Basic Photography and Playback: A (Auto) Mode D Focus Lock Use focus lock to focus on off-center subjects when Center is selected for AF area mode. · Be sure that the distance between the camera and the subject does not change. · When the shutter-release button is pressed halfway, exposure is locked. 1/250 F5.6 17 1/250 F5.

6 1/250 F5.6 Frame the subject to be focused on using the camera Press the shutter-release button halfway. Confirm that Continue holding Press the the focus area is down the shutter-release button halfway release and recompose the button the picture.



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rest of the way down to shoot.

D AF-assist illuminator If the subject is poorly lit, the AF-assist illuminator (A163) may light by pressing the shutter-release button halfway. 31 Step 4 Viewing and Deleting Pictures Viewing Pictures (Playback Mode) c (Playback) button · The last picture shot will be displayed in full-frame playback mode. · Press the multi selector H, I, J or K to view additional pictures. Continue holding down H, I, J or K to fast forward pictures. Pictures can also be chosen by rotating the Multi selector command dial.

· Pictures may be displayed briefly at low resolution immediately after switching to the previous picture or next picture. · Press the c button or the shutter-release button to switch to shooting mode. · When C is displayed, pictures stored in the internal memory 15/05/2010 15:30 will be displayed. When memory card is inserted, C is not 0004.JPG displayed and pictures stored on the memory card will be displayed. Press the c (Playback) button. Basic Photography and Playback: A (Auto) Mode 4 4 Internal memory indicator Deleting Pictures 1 Press the l button to delete the picture currently displayed in the monitor. 2 Use the multi selector to choose Yes and press the k button. · The picture that is deleted cannot be restored. · To exit without deleting the picture, choose No and press the k button.

Erase 1 image? Yes No 32 Step 4 Viewing and Deleting Pictures C C C Options Available in Playback Mode Pressing the c Button to Turn on the Camera For details, see "More on Playback" (A101) or "Editing Pictures" (A118). When the camera is off, holding down the c button will turn the camera on in playback mode. The lens will not extend. Viewing Pictures · Press the x button to switch between using the monitor and electronic viewfinder display (A14). · Press the s button to switch between showing and hiding the photo information or shooting information that is displayed on the monitor (A15). · Pictures that were shot using face priority (A91) will be rotated automatically when displayed in full-frame playback mode according to the orientation of the face (except for pictures shot when Continuous (A86) or Auto bracketing (A89) was set). · When full-frame playback is performed for pictures that were shot continuously, those pictures shot at the same time are displayed together in a group (sequence display) (A102). · If the monitor is off in standby mode due to the camera's auto off function, press the c button to reactivate it (A165). Basic Photography and Playback: A (Auto) Mode C Deleting the Last Picture Taken While in Shooting Mode Erase 1 image? In shooting mode, press the l button to delete the last picture shot. Yes No D Deleting Multiple Pictures Choose Delete (A111) from the playback menu (A107) to delete multiple pictures.

33 Using the Flash In dark locations or when the subject is backlit, you can shoot pictures with flash by raising the built-in flash. You can set a flash mode that suits the shooting conditions. The flash has a range of about 0.5 to 10 m (1 ft. 8 in. to 32 ft.) for wide, and about 1.7 to 2.5 m (5 ft. 8 in.

to 8 ft. 2 in.) for tele (when ISO sensitivity is set to Auto). U V Basic Photography and Playback: A (Auto) Mode Auto Flash fires automatically when lighting is poor. Auto with red-eye reduction Reduces "red-eye" in portraits. W X Off Flash will not fire even when lighting is poor. Fill flash Flash fires when a picture is taken, regardless of how bright the subject is. Use to "fillin" (illuminate) shadows and backlit subjects. Y Slow sync Fill flash is combined with slow shutter speed. Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light.

Z Rear-curtain sync Flash fires just before shutter closes, creating the effect of a stream of light behind moving subjects. C Auto with Red-eye Reduction 34 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. If the camera detects "red-eye" when a picture is taken, Nikon's own In-Camera Red-Eye Fix processes the image before it is recorded. Note the following when taking pictures: · Because pre-flashes are fired, there is a slight lag between when the shutter-release button is pressed and when the picture is shot. · The time required to save the picture increases slightly. · Advanced 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 advanced red-eye reduction processing; in these cases, choose another mode and try again. When Red-eye reduction (A163) in the setup menu is set to Pre-flash off, the shutter is released immediately when the shutter-release button is fully pressed, without firing the pre-flashes before the main flash. Using the Flash Setting the Flash Mode 1 Press the m (flash pop-up) button. The built-in flash will be raised. · When the built-in flash is lowered, the flash mode will be fixed to W (off). Basic Photography and Playback: A (Auto) Mode 2 Press m (flash mode) on the multi selector. · The flash mode menu is displayed. 3 Press H or I on the multi selector to choose the desired mode and press the k button.

· The icon for the selected flash mode is displayed at the top of the monitor. · When U (auto) is applied, D is only displayed for a few seconds even if monitor indicators (A15) are turned on. · If a setting is not applied by pressing the k button within a few seconds, the selection will be cancelled. Flash mode 1/250 F5.6 17 B Lowering the Built-in Flash When not using the built-in flash, gently push to lower the flash.

35 Using the Flash B Shooting When Lighting is Poor and When the Flash is Disabled (W) · Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake. When the camera is stabilized with a tripod, set Vibration reduction (A160) to Off in the setup menu (A152). · The E indicator is displayed when the camera automatically increases sensitivity. Pictures taken when E is displayed may be slightly mottled. · When shooting at slow shutter speeds in dark location, the noise reduction function may operate. When the noise reduction function operates, it may take more time to save images. B Basic Photography and Playback: A (Auto) Mode Note on Using the Flash Reflections from dust particles in the air may appear as bright spots in pictures. To reduce these reflections, set the flash to W (Off), or shoot pictures with the built-in flash lowered. C The Flash Indicator The flash indicator shows the flash status when the shutter-release button is pressed halfway down.



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