



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX P7000. You'll find the answers to all your questions on the NIKON COOLPIX P7000 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

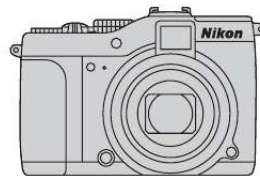
User manual NIKON COOLPIX P7000  
User guide NIKON COOLPIX P7000  
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**Nikon**

DIGITAL CAMERA

**COOLPIX P7000**

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 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 Battery Charger, unplug the Battery Charger 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 Battery Charger could result in injury. Repairs should be performed only by qualified technicians.

Should the camera or Battery Charger 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 Battery Charger 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. Do not look at the sun through the viewfinder Viewing the sun or other strong light source through the viewfinder could cause permanent visual impairment. 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 an AC adapter, be sure it is unplugged. · Use only a Rechargeable Li-ion Battery EN-EL14 (supplied). Charge the battery by inserting it in a Battery Charger MH-24 (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 Battery Charger 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 Battery Charger during lightning storms.

Failure to observe this precaution could result in electric shock. Do not damage, modify or forcibly tug, 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 Battery Charger with wet hands.

Failure to observe this precaution could result in electric shock. Do not use with travel converters or adapters designed to convert from one voltage to another or with DCto-AC inverters. Failure to observe this precaution could damage the product or 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.



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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.S.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.

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 equipment does cause harmful COOLPIX P7000 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 CAUTION 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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*. 222 xii Introduction About This Manual Thank you for your purchase of Nikon COOLPIX P7000 digital camera. 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 · Secure Digital (SD) memory card, SDHC memory card, and SDXC memory card are referred to as "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 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,*

the memory card is used.

To use the internal memory for shooting, playback, deleting or formatting, remove the memory card. 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 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).

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...132, 151 5 Parts of the Camera Monitor Press the x (monitor) button to switch between displaying and hiding information (A14). The displayed information varies according to the camera settings and condition. Introduction Shooting 45 44 43 42 13 19 39 41 40 37 1/250 F5.6 999 2 1 3 4 5 89 6 7 14 10 11 12 15 16 17 18 23 25 26 20 21 22 24 28 38 36 35 30 29 34 33 32 31 999 9999 1m00s 1m00s a b 27 46 47 1/250 F5.6 1342 48 49 50 1/250 F5.6 1342 1/250 F5.

6 1342 1/250 F5.6 1342 6 Parts of the Camera Introduction 1 2 3 4 5 6 7 8 9 10 11 12 13 Shooting mode1 .....

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..70 1 The icons vary with the shooting mode. 2 The view or hide setting for the virtual horizon, histogram and framing grid displays can be changed in Photo info (A173) of Monitor settings in the setup menu. In shooting modes E, F and N, set in Photo info of the specialized menus for E, F and N (A112).  
7 Parts of the Camera Playback 1 22 21 20 19 18 24 23 17 16 15 14 10 11 12 13 1 2 3 4 5 6 7 8 9 Date of recording.....

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....132 \* The icons vary with the settings used for shooting.

8 Basic Operations Command Dial You can rotate the command dial to select items from a menu screen or to set any of the following functions. Introduction

For Shooting Mode Programmed auto (mode dial set to A) Shutter-priority auto (mode dial set to B) Aperture-priority auto (mode dial set to C) Manual (mode dial set to D) Description Adjust the flexible program Adjust shutter speed A 62 63 Adjust aperture value (when the Av/Tv button 64 is pressed\*) Adjust shutter speed or aperture value (Press the Av/Tv button to switch between setting the shutter speed and aperture value.\*) 65 \* When the Av/Tv button (A187) setting is Toggle Av/Tv selection (default setting). For Playback Mode Full-frame playback or thumbnail playback Calendar display Playback zoom During movie pause or editing Description Choose a picture Choose a date Change the zoom ratio Advanced or rewound by one frame A 30, 115, 116 117 118 151 f (Av/Tv) Button Press the Av/Tv button in shooting mode B, C or D to select whether to use the command dial or the rotary multi selector to set the shutter speed or aperture value. · The Av/Tv button function can be changed with Av/ Tv button (A187) in the setup menu. 9 Basic Operations Quick Menu Dial and Quick Menu Button Rotate the quick menu dial to align the mark with the function that you want to set. Items such as a (image quality and image size) can be set. · When the quick menu button is pressed while shooting, the setting menu (quick menu) is displayed for the function that is selected with the mark. · When e is chosen, the "Tone level information" (A82) function is turned on with the quick menu button. · Press the quick menu button again to exit the quick menu.

· Available functions differ according to the shooting mode. · See "Quick Menu" (A67) for more information. Introduction Pressing the Shutter-Release Button Halfway/All the Way Down The camera features a two-stage shutter-release button. To set the focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. The 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. Press the button slowly. Press the shutter-release button halfway to lock the focus and exposure. Press the shutter-release button the rest of the way down to shoot.

10 Basic Operations g (AE-L/AF-L) Button When shooting still pictures, instead of pressing the shutter-release button halfway, you can use the AE-L/AF-L button to shoot with focus lock (A29). · The exposure and focus are locked while the AE-L/AF-L button is pressed. Fully press the shutter-release button to release the shutter with the locked exposure and focus (default setting). · The operations performed when the AE-L/AF-L button is pressed can be set with AE/AF lock button in the setup menu (A185). When the AE-L/AF-L button is pressed during playback, the list by date screen can be displayed to play back only pictures shot on the same date (A119).

Introduction w (FUNC) Button Use the w button with the zoom control or shutter-release button. · This can be used when A, B, C, D, E, F or N is selected for shooting mode. Combined with the zoom control When shooting, operate the zoom control while pressing the w button. This quickly changes to the zoom lens focal length that is set with Zoom memory (A107) in the shooting menu. Combined with the shutter-release button When shooting, press the shutter-release button while holding down the w button.

You can shoot with the function setting that is assigned to Fn button (A186) in the setup menu, without changing the shooting menu setting. · In the default setting, no function is assigned. · When the w button is pressed while a function is assigned, the w button operation indicator (A6) and the icon for the assigned function are displayed. 11 Basic Operations Rotary Multi Selector Operate by rotating the rotary multi selector, pressing up (H), down (I), left (J) or right (K) on the rotary multi selector, or pressing the k button. Introduction For Shooting Rotate to set the exposure/ Choose the option1 Display n (Self-timer/ Smile timer/ Remote control) menu (A35, 36, 38)/Choose the option on the left 1 Display m (flash mode) (A32) menu/Choose the option above Display G (AF area mode) menu 2 (A84)/Choose the option on the right Apply selection Auto Display D (focus mode) menu (A40)/Choose the option below The aperture value or shutter speed can be set in shooting mode B, C, D, E, F or N (A63, 64, 65). Items can be chosen while a menu is displayed. 2 Displayed for A, B, C, D, E, F and N modes, and O (low noise night) mode. For Playback Choose the previous picture\* 15/11/2010 15:30 0004.JPG Choose the next picture\* \* Previous or subsequent pictures can also be chosen by rotating the rotary multi selector. 4 132 For 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 Picture Control Custom Picture Control Metering Continuous Autofocus mode Flash exp.

comp. Noise reduction filter \* Items can also be chosen by rotating the rotary multi selector. 12 Basic Operations d Button Press the d button to display the menu and to select options for the menu items. · Use the rotary multi selector to navigate the menus (A12). · Menu items can also be chosen by rotating the command dial. · Select a tab on the left end of the monitor to display the corresponding menu (A14). · Press the d button again to exit the menu. Displayed when the menu contains two or more pages This tab displays the available menus in the mode selected with the mode dial.\* This tab displays the playback menu. This tab displays the setup menu.

Displayed when there are following menu options Displayed when there are previous menu options Shooting menu Long exposure NR Distortion control Wide-angle converter Flash control Active D-Lighting Zoom memory Shooting menu Picture Control Custom Picture Control Metering Continuous Autofocus mode Flash exp. comp. Noise reduction filter Introduction Distortion control On Off Choose an item, and then press the k button or the rotary multi selector K to proceed to the sub-menu. Press the k button or the rotary multi selector K to apply the selection. \* The displayed tabs differ according to the chosen shooting mode.

· A (auto) mode: Tabs are not displayed. · C (scene): Scene menu tab (A45) · O (low noise night): Low noise night menu tab (A58) · A, B, C, D: Shooting menu tab (A90) · E, F, N: E, F, N specialized menu tab (A112), shooting menu tab on the second level · D (movie): Movie menu tab (A149) 13 Basic Operations Switching Between Tabs in the Menu Screen In the menu screen that is displayed when the d button is pressed (A13), choose the left end tab to switch to the menu of the chosen tab.



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Introduction Shooting menu Picture Control Custom Picture Control Metering Continuous Autofocus mode Flash exp. comp. Noise reduction filter Shooting menu Picture Control Custom Picture Control Metering Continuous Autofocus mode Flash exp. comp. Noise reduction filter Set up Welcome screen Date Monitor settings Date imprint Vibration reduction Motion detection AF assist Press the rotary multi selector J to highlight the tab. Press the rotary multi selector H or I to choose another tab, and press either the k button or K. The corresponding menu is displayed. x (Monitor) Button To switch between the information displayed on the monitor during shooting and playback, press the x (monitor) button. For Shooting 1/250 F5.6 1342 Display information Display the picture and the shooting data. Information hidden Display the picture only. Monitor off 1, 2 Turn off the monitor. For Playback 15/11/2010 15:30 0004.

JPG 4 132 1/250 F5.6 4 132 Display photo information Display the picture and the photo information. Information hidden Display the picture only. Tone level information 3 (excluding movies) Display a histogram, and tone level and shooting information 4. 14 Basic Operations 1 Available when the mode dial is set to A, B, C, D, E, F or N. 2 The shutter does not click when the focus is not locked and the AF lamp does not light up. 3 For details about the tone level information, see "Checking the Picture Brightness Distribution (A, B, C, D Modes)" (A82). 4 The shooting information displayed includes the shooting mode A, B, C or D, shutter speed, aperture value, image quality, image size, ISO sensitivity, white balance, exposure compensation, COOLPIX picture control, and the current file number/total number of exposures. A is displayed when the shooting mode A, y, O or A is chosen. Introduction C Holding Down the x Button and b (Monitor Brightness Boost Indicator) Hold down the x button to set the monitor to the maximum brightness.

To return the brightness to its original level, hold down the x button again or turn off the camera. When the brightness is set to the maximum with the x button, b (monitor brightness boost indicator) is displayed on the monitor. C Virtual Horizon, Histogram and Grid Displays for Shooting The display options for the monitor can be changed in Photo info (A173) of Monitor settings in the setup menu. A virtual horizon, histogram and grid are available as the display options. Attaching the Camera Strap Attach the strap at two places.

15 First Steps Charging the Battery Charge the Rechargeable Li-ion Battery EN-EL14 (supplied) using the Battery Charger MH-24 (supplied). 1 First Steps Prepare the Battery Charger MH-24. If a plug adapter\* is included, attach the plug adapter to the plug on the Battery Charger. Push the plug adapter firmly until it is securely held in place. 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 plug adapter is already fixed onto the Battery Charger MH-24. Proceed to step 2. 2 While pushing in the battery (1), set it into the Battery Charger (2). 1 2 3 Plug the Battery Charger into an electrical outlet. · CHARGE lamp starts blinking when charging starts. · Charging is complete when the CHARGE lamp stops blinking. · A fully-exhausted battery charges in about one hour and 30 minutes. · The following chart explains CHARGE lamp status. CHARGE lamp 16 Charging the Battery CHARGE lamp Blinks On Battery charging.

Battery fully charged. · The battery is set incorrectly. Disconnect the Battery Charger from the electrical outlet, remove the battery, and then reset the battery to lie flat in the Battery Charger. · Operating temperature range exceeded. Charge the battery indoors while the ambient temperature is 5°C to 35°C (41°F to 95°F). · The battery is faulty. Immediately disconnect the Battery Charger from the electrical outlet, and stop charging. Take the battery and Battery Charger to your retailer or Nikon authorized service representative. Description First Steps Flickers 4 When charging is complete, remove the battery, and then disconnect the Battery Charger from the electrical outlet. B Notes on Battery Charger · The supplied Battery Charger is for use only with a Rechargeable Li-ion Battery EN-EL14.

· Be sure to read and follow the warnings and cautions of "For Your Safety" (Aii) thoroughly before using the Battery Charger. · The MH-24 is compatible with AC 100-240 V, 50/60 Hz electrical outlets. When using in other countries, use a commercially available plug adapter as necessary. For more information about plug adapters, consult your travel agency. B Notes on 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" (A196) thoroughly before using the battery. · 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. C Notes on AC Power Supply · If the AC Adapter EH-5a and the Power Connector EP-5A (available separately) (A199) are used, power is supplied to the camera from an electrical outlet, enabling taking and playing back pictures. · Do not, under any circumstances, use an AC Adapter other than the EH-5a or a Power Connector other than the EP-5A. Failure to observe this precaution could result in overheating or in damage to the camera.

17 Inserting the Battery Insert a Rechargeable Li-ion Battery EN-EL14 (supplied) into the camera. · Charge the battery before first use or when the battery is running low (A16). 1 First Steps Open the battery-chamber/memory card slot cover. · Slide the cover latch to the Y side (1), and open the cover (2). 2 Insert the battery (supplied). · 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 Battery chamber direction shown (1), and fully insert the battery (2). When the battery is fully inserted, the battery latch locks it in place. 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.

3 Close the battery-chamber/memory card slot cover. · Close the cover (1), and slide the cover latch to the Z position (2). 18 Inserting the Battery Removing the Battery Before opening the battery-chamber/memory card slot cover, turn the camera off (A19) and confirm that the power-on lamp and the monitor are off.



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To eject the battery, open the battery-chamber/memory card slot cover and slide the battery latch in the direction shown (1). Then, remove the battery straight (2). · Note that the battery or memory card may become hot during use; observe due caution when removing the battery. First Steps Turning On and Off the Camera Press the power switch. The power-on lamp (green) and the monitor are turned on (when the monitor is turned on, the power-on lamp turns off). Press the power switch again to turn off the camera. When the power is turned off, the power-on lamp and monitor also turn off.

· When the camera is off, holding down the c button turns on the camera in playback mode (A30). C Standby Mode (Auto Off) If no operations are performed, the monitor is turned off automatically, the camera enters standby mode and the power-on lamp blinks. The camera turns off when the standby mode continues for about three minutes. · When the power-on lamp blinks, turn on the monitor again with one of the following operations. - Press the power switch, the shutter-release button or the c button.

- Rotate the mode dial. · During shooting or playback, if no operations are performed for about a minute (default setting), the camera enters standby mode. · The time that elapses before the camera enters standby mode can be changed from the Auto off (A181) in the setup menu (A167). 19 Setting the Display Language, Date and Time Dialogs for language selection and camera clock setting are displayed the first time the camera is turned on. 1 First Steps Press the power switch to turn on the camera.

2 Use the rotary multi selector to choose the desired language and press the k button. · For information on using the rotary multi selector, see "Rotary Multi Selector" (A12). 3 Choose Yes and press the k button. · If No is selected, the date and time are not set. Date Set time and date? Yes No 4 Press J or K to select your home time zone (Time zone) (A172), and press the k button. London Casablanca Back D Daylight Saving Time London Casablanca To set the date and time in a time zone where daylight saving is in effect, turn on the daylight saving setting with H in the time zone selection screen shown in step 4. · When turned on, the W icon is displayed on the top of the screen. · To turn off, press I. Back 20 Setting the Display Language, Date and Time 5 Set the date and time. · To choose an item: Press K or J (selected in the following order: D (day) M (month) Y (year) hour minute DMY (date display order)).

· To set the contents: Rotate the rotary multi selector, or press H or I. · YMD, MDY or DMY can be chosen for the order in which the day, month, and year are displayed. Date D 01 00 M 01 00 Edit Y 2010 First Steps 6 Finally, choose DMY, and apply the selection by pressing the k button or K. · The clock starts. The lens extends and the monitor display reverts to shooting mode. Date D 15 15 M 11 10 Edit Y 2010 D Imprinting the Date and Changing the Date and Time · To imprint the date on pictures when shooting, first set the date and time, and then set Date imprint (A174) in the setup menu (A167). · To change the date and time of the camera clock, select Date in Date (A170) of the setup menu. 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 (A170). 21 Inserting the Memory Card The recorded data is stored in the camera's internal memory (approx. 79 MB) or on commercially available Secure Digital (SD) memory cards (A221). 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. To use the internal memory, remove the memory card. 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. 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.

Removing the Memory Card Before opening the battery-chamber/memory card slot cover, turn the camera off and confirm that the power-on lamp and the monitor are off. Press the memory card in lightly with your finger (1) to partially eject it, and then pull it out straight (2). · Note that the battery or memory card may become hot during use; observe due caution when removing the battery. 22 Inserting the Memory Card B Formatting a Memory Card Card is not formatted. If the message on the right is displayed, the memory card must be Format card? formatted before use. Note that formatting (A182) permanently deletes all pictures and other data on the memory card. Be sure to make copies of any data you wish to keep Yes No before formatting the memory card. To format, use the rotary 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.

· The first time you insert a memory card that has been used in another device into this camera, be sure to format it (A182) 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 you want to record data, delete data or format the memory card, and the switch is in the "Lock" position, slide the switch to its original position to unlock it. 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 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.



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· Do not leave in direct sunlight, closed vehicles or areas exposed to high temperatures. · Do not expose to humidity, dust, or corrosive gases. 23 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 Press the power switch to turn on the camera. · The lens extends, and the monitor is turned on. Basic Photography and Playback: A (Auto) Mode 2 Rotate the mode dial to A. 1/250 F5.6 32 3 Check the battery level and number of exposures remaining on the monitor. Battery Level Monitor (NO INDICATOR) B (lights) N Battery exhausted. Description Battery fully charged. Battery level indicator 1/250 F5.6 32 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 is 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 (A71). 24 Step 1 Turn the Camera On and Select A (Auto) Mode Indicators Displayed in A (Auto) Mode Shooting mode A is displayed in A (auto) mode. Vibration reduction icon Reduces the effects of camera shake. Basic Photography and Playback: A (Auto) Mode Shutter speed (A61) 1/250 F5.6 32 Aperture value (A61) Image quality/image size The current image quality (compression) and image size are displayed. The default settings are W (Normal) for image quality and J (3648 × 2736) for image size. Internal memory indicator Pictures are recorded to internal memory (approx. 79 MB). When a memory card is inserted, C is not displayed and pictures are recorded to the memory card. To turn on the monitor in the power save standby mode, press the power switch or shutter-release button (A181). C 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. In situations where a flash is needed, such as in dark locations or when the subject is backlit, be sure to raise the built-in flash (A33). C Functions Available in A (Auto) Mode · Focus mode (A40) and exposure compensation (A43) can be applied and pictures can be taken using the flash mode (A32) and self-timer (A35). · The image quality/image size can be changed by rotating the quick menu dial to a and pressing the quick menu button (A68). D Vibration Reduction · See Vibration reduction (A175) in the setup menu (A167) for more information. · Set Vibration reduction to Off when using a tripod to stabilize the camera during shooting. 25 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. · When using the flash (A32) to shoot in the "tall" orientation, hold the camera so that the flash is above the lens. 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 32 Using the Viewfinder Use the viewfinder to frame pictures when bright light makes it difficult to see the monitor. When the image in the viewfinder is difficult to see, adjust by rotating the diopter adjustment control while looking through the viewfinder. · Take care not to scratch your eye with your fingertips or nails. B Notes on the Viewfinder Diopter Viewfinder adjustment control 26 As the area visible in the viewfinder may differ from that of the final picture, use the monitor to frame pictures in the following situations: · When shooting at ranges of about 2 m (6 ft. 7 in.) or less at the maximum telephoto position · When a wide-angle converter lens is used (available separately from Nikon; A104) · When the digital zoom is applied (A27) · When shooting at an Image size (A70) of I 3648×2432, z 3584×2016 or H 2736×2736 Step 2 Frame a Picture Using the Zoom Rotate the zoom control to activate the optical zoom. Rotate in the g direction to zoom in so that the subject fills a larger area of the frame. Rotate in the f direction to zoom out so that the area visible increases in the frame. · 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 (telephoto) direction triggers the digital zoom. The subject can be magnified up to 4× the maximum optical zoom ratio. The focus will be on the center of the frame and the focus area will not be displayed when the digital zoom is in effect. Maximum optical zoom magnification Digital zoom is in effect. C Digital Zoom and Interpolation Unlike the optical zoom, the digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of picture quality depending on the image size (A70) and digital zoom magnification. Interpolation is applied at zoom positions beyond V. When the zoom is increased beyond the V position, interpolation is initiated and the zoom indicator also 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 · Using Digital zoom (A178) in the setup menu (A167), it is possible to restrict the magnification of the digital zoom to a range where images do not deteriorate, or to set the digital zoom so that it does not operate. D More Information · See "Zoom Memory" (A107) for more information. · See "Zoom Speed" (A179) for more information. 27 Step 3 Focus and Shoot 1 Press the shutter-release button halfway. · When the button is pressed halfway (A10), the camera focuses. · The camera automatically focuses on the subject in the center focus area. When the subject is in focus, the focus area lights in green, and the AF lamp next to the viewfinder lights. Basic Photography and Playback: A (Auto) Mode 1/250 F5.6 · When the digital zoom is in effect, the camera focuses on the subject in the center of the screen, and the focus area is not displayed. When the subject is in focus, the AF lamp lights in green. · The focus and exposure remain locked while the shutter-release button is pressed halfway.



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· When the shutter-release button is pressed halfway and the focus indicator blinks red or the AF lamp blinks rapidly, the camera is unable to focus. 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 is released and the picture is recorded to the memory card or internal memory. 28 Step 3 Focus and Shoot B During Recording While the AF lamp or the indicator showing the number of exposures remaining is blinking, images are being recorded. Do not open the battery-chamber/memory card slot cover. Cutting the 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 lights green: · Subject is very dark · Objects of sharply differing brightness are included in the scene (e.g. the sun behind the subject makes that subject appear very dark) · No contrast between the subject and surroundings (e.g. a portrait subject, wearing a white shirt, is standing in front of a white wall) · Several objects are at different distances from the camera (e.

g., an animal inside a cage) · Subjects that repeat the same pattern (e.g., as window blinds or buildings lined with windows of the same shape) · 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. The camera can also be focused using manual focus (A42). 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, the exposure is locked. 1/250 F5.

6 32 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 the focus area is green.

Continue holding Press the down the shutter-release button the rest halfway and of the way recompose the down to shoot. picture. Instead of pressing the shutter-release button halfway, you can also press the AE-L/AF-L button to shoot with focus lock (A11). D AF-assist illuminator In dark places, the AF-assist illuminator (A177) may light when the shutter-release button is pressed halfway. 29 Step 4 Viewing and Deleting Pictures Viewing Pictures (Playback Mode) Press the c (Playback) button.

c (Playback) button · The last picture shot is displayed in fullframe playback mode. · Rotate the rotary multi selector, or press H, I, J or K to view previous or subsequent pictures. Continue holding down H, I, J or K to fast forward pictures. Pictures can also be chosen by rotating the Rotary multi selector command dial. · Pictures may be briefly displayed at low resolution immediately after switching to the previous or next picture. · Press the c button or the shutter-release button to switch to shooting mode. · C is displayed when pictures stored in the internal memory 15/11/2010 15:30 are displayed. When a memory card is inserted, C is not 0004.JPG displayed and pictures stored on the memory card are displayed. Basic Photography and Playback: A (Auto) Mode 4 4 Internal memory indicator C C C C When the Monitor Is Turned Off to Save Power Options Available in Playback Mode Pressing the c Button to Turn on the Camera When the power-on lamp blinks, press the c button to turn on the monitor again (A181).

For details, see "More on Playback" (A115) or "Editing Pictures" (A133). When the camera is off, holding down the c button turns on the camera in playback mode. The lens does not extend. Viewing Pictures 30 · Press the x button to hide or show the shooting information and photo information on the monitor (A14). · Pictures taken in portrait ("tall") orientation will be rotated automatically (A180). The rotating direction can be changed from the Rotate image option (A130) in the playback menu (A122). Step 4 Viewing and Deleting Pictures Deleting Unnecessary Pictures 1 Press the l button to delete the picture currently displayed on the monitor. 2 Use the rotary 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.

Basic Photography and Playback: A (Auto) Mode Erase 1 image? Yes No B Notes on Deletion When images shot with an Image quality (A68) setting of NRW (RAW) + Fine, NRW (RAW) + Normal or NRW (RAW) + Basic are deleted with the l button, both the NRW (RAW) and JPEG images that were recorded at the same time are deleted. To delete only NRW (RAW) images or JPEG images, select Erase selected NRW images or Erase selected JPEG images in Delete (A127) of the playback menu (A122). 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 To delete multiple pictures, choose Delete (A127) from the playback menu (A122) or list by date menu (A121). 31 Using the Flash In dark locations or when the subject is backlit, you can shoot pictures with a 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 6.5 m (1 ft. 8 in. to 21 ft.) for wide, and about 0.8 to 3 m (2 ft. 8 in. to 9 ft. 10 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. Off Flash does not fire.

· Available when the scene mode is x (scene auto selector) or a Speedlight (external flash unit) is attached. W X Fill flash The flash fires when a picture is taken, regardless of how bright the subject is. Use to "fill-in" (illuminate) shadows and backlit subjects. S Manual Flash is forcibly fired at the flash output that is set for the built-in flash. · Choose the flash output from S Full (full flash), S1/2, S1/4, S1/8, S1/16, S1/32 and S1/64. For example, when S1/16 is chosen, the flash is 1/16 of the full flash. · Not available when a Speedlight flash unit (available separately) is attached. Y Slow sync Fill flash is combined with a slow shutter speed.



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