



# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX P5100. You'll find the answers to all your questions on the NIKON COOLPIX P5100 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 P5100  
User guide NIKON COOLPIX P5100  
Operating instructions NIKON COOLPIX P5100  
Instructions for use NIKON COOLPIX P5100  
Instruction manual NIKON COOLPIX P5100

**Nikon**

DIGITAL CAMERA

**COOLPIX P5100**

User's Manual



En



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<http://yourpdfguides.com/dref/3296177>

**Manual abstract:**

· PictBridge is a trademark. · D-Lighting technology is provided by P Apical Limited. @@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 AC adapter, unplug the 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 AC adapter could result in injury.

Repairs should be performed only by qualified technicians. Should the camera or AC adapter break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection, after unplugging the product and/or removing the battery. Do not use the Camera or AC Adapter in the Presence of Flammable Gas Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire. Handle the Camera Strap with Care Never place the strap around the neck of an infant or child. 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 AC adapter, be sure it is unplugged. · Only use a Rechargeable Li-ion Battery EN-EL5 (supplied). Use the Battery Charger MH-61 (supplied) to charge the battery. · 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 flames 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 power cable or go near the battery charger during lightning storms. Failure to observe this precaution could result in electric shock. Do not damage, modify, forcibly tug or bend the power cable, place it under heavy objects, or expose it to heat or 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. . . . iii For Your Safety · Do not handle the plug or battery charger with wet hands. Failure to observe this precaution could result in electric shock. Use appropriate cables When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon for the purpose, to maintain compliance with product regulations.

Handle moving parts with care Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts. CD-ROMs The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CDROMs on an audio CD player could cause hearing loss or damage the equipment. Observe caution when using the flash Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be observed if photographing infants, when the flash should be no less than one meter (39 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. 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. 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 P5100 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.



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[COOLPIX P5100 user guide](http://yourpdfguides.com/dref/3296177)

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*ATTENTION Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada. Symbol for Separate Collection in European Countries  
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. vi Table of Contents For Your Safety...*

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. 158 xii Introduction About This Manual Thank you for your purchase of a Nikon COOLPIX P5100 digital camera. This manual was written to help you enjoy shooting 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: Introduction B This icon marks cautions, information that should be read before use, to prevent damage to the camera.

This icon marks notes, information that should be read before using the camera. D This icon marks tips, additional information that may be helpful when using the camera. This icon indicates that more information is available elsewhere in this manual or in the Quick Start Guide. C A 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 the computer monitor are indicated with brackets ( [ ] ). 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 shot 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, delete or view pictures. I 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://nikonimaging.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, AC adapters, and flash accessories) certified by Nikon specifically for use with this Nikon digital camera are engineered and proven to operate within the operational and safety requirements of this electronic circuitry.

THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY. For more information about Nikon brand accessories, contact a local authorized Nikon dealer. Holographic seal: Identifies this device as an authentic Nikon product.



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*Rechargeable Li-ion Battery EN-EL5 Before Shooting Important Pictures Before shooting 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.*

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*Deleted files can sometimes be recovered from discarded storage devices using commercially available software, potentially resulting in the malicious use of personal image data. Ensuring the privacy of such data is the user's responsibility. Before discarding a data storage device or transferring ownership to another person, erase all data using commercial deletion software, or format the device and then completely refill it with images containing no private information (for example, pictures of empty sky). Be sure to also replace any pictures selected for the welcome screen (A 122). 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 1 2 3 4 5 6 7 8 Introduction 9 10 11 Lens cover closed 12 13 14 1 2 3 4 5 6 7 8 9 15 16 17 18 19 Command dial .....*

*.....9 Power-on lamp.....*

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*... 30 Accessory shoe cover ..*  
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..... 143, 154 19 Lens cover 10 Eyelet for camera strap (x2) Zoom control...

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..... 25 f (wide) ...

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... 25 g (tele) ..

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.. 25 11 h (thumbnail playback) .....

....51 i (playback zoom).

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.....53 j (help) ...

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....11 4 7 89 Introduction 1 2 3 4 5 13 14 6 10 11 12 15 16 17 1 2 3 4 5 6 7 8 9 w (FUNC) button.....

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..... 9, 132 x (monitor) button ....

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.....12 c (playback) button .

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28 d (menu) button.....

11, 65, 90, 115 l (delete) button .....

....28, 29, 59, 70, 74 Speaker .

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..... 59, 70, 73 *Viewfinder*....

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... 24 *Flash lamp*.....

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31 *Auto focus (AF) lamp* .....

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...26 10 *Monitor* .....

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...6, 12, 23 11 *Multi selector*.....

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.....10 12 *k button* .

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..10 13 *Tripod socket* 14 *Battery-chamber/memory card slot cover*...

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*...16, 20 15 Memory card slot..*

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*.....20 16 Battery chamber.....*

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*.....16 17 Battery latch .*

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*....16, 17 5 Parts of the Camera The Monitor The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings). Introduction Shooting 31 30 29 C D W X 2 3 1 C c Q 6 UV W XY 10 4 5 7 8 9 W B 28 27 bcdefg E g n 11 13 26 25 23 22 24 E B 12 14 x O 1/125 F4.3 9999 19 18 20 17 0h00m00s 15 21 1 2 3 4 5 6 7 8 9 10 11 12 13 14 16 15 Date imprint/date counter ....*

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....126 Number of exposures remaining .*

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*.22 16 Movie length .....*

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..64 17 Aperture ...*

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...45 18 Exposure display ..*

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*.....49 19 Shutter speed....*

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.....91 21 Image size....

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25 Digital zoom interpolation indicator .....  
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...30 Flash mode (flash unit, available separately from Nikon)..  
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139 Internal memory indicator.....  
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..23 Battery level indicator.....  
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....22 ISO sensitivity.....  
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. 31, 99 *Vibration reduction icon*....  
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. 23, 128 *Focus area*.....

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.. 26, 105 *Focus area (when a face is recognized)* ...

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..... 105 *Self-timer indicator*.....

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... 32 *"Date not set" indicator* ..

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..... 144 *Time zone indicator*..

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. 123 6 \* Differs according to the current shooting mode. Refer to the sections on each mode for details. Parts of the Camera Playback Introduction 1 19 2 3 4  
5 7 15/11/2007 00:00 9999.JPG B C 6 8 9 18 w 17 s p n 9999/9999 0h00m00s n q 15 14 13 12 16 11 10 Date of recording .

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.....18 *Time of recording*.....

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.....18 *Internal memory indicator*....

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.....28 *Battery level indicator*..

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22 *File number and type* .....

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. 59, 70 8 Voice memo recording guide ....

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59 9 Voice memo playback guide .....

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. 59 Current frame number/ 10 total number of frames....

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28 Movie length.



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.....70 1 2 3 4 5 11 *Movie playback indicator* ....

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70 12 *D-Lighting icon*.....

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.55 13 *Voice memo icon* ....

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.....59 14 *Image quality* ...

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..91 15 *Image size*...

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92 16 *Small picture indicator* .....

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57 17 *Protect icon*.....

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.....118 18 *Print-order icon*...

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..87 19 *Movie indicator\**.....

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.....70 \* Differs according to the selected movie option. 7 Basic Operations The Mode Dial Align the mode icon with the mark next to the mode dial.  
Introduction A Auto(A 22): Choose this simple "point-andshoot" mode, suited to first-time users of digital cameras, in which the camera automatically adjusts settings. P,S,A,M (A 45): Choose these modes for greater control over shutter speed and aperture.  
z Setup (A 89): Display the setup menu, where you can perform such tasks as setting the camera clock and adjusting monitor brightness. D Movie (A 64): Choose this mode to shoot movies. y Scene (A 35): Choose this mode for automatic adjustment of settings to suit the selected subject type, or use the voice recording option to record sound only. a Anti-shake (A 43): Prevent or reduce blur using vibration reduction (A 128) and the Best Shot Selector (BSS) (A 101). B High sensitivity (A 44): Choose this mode to reduce blur when the subject is poorly lit.  
8 Basic Operations The Command Dial and w (FUNC) Button Rotate the command dial, and use the dial with w, to select mode or menu quickly and change settings. Introduction With Shooting Mode P (Programmed auto) S (Shutter-priority auto) A (Aperture-priority auto) M (Manual) Use Description A Rotate the command dial to choose 46 flexible program. Rotate the command dial to adjust 47 shutter speed. Rotate the command dial to adjust 48 aperture. Rotate the command dial to adjust shutter speed or aperture.  
Press the multi 49 selector K to select a different option. Press w and rotate the command dial to adjust the setting assigned to w. At 132 the default setting, the ISO sensitivity setting can be adjusted. Press w and rotate the command dial 35 to choose a scene mode. Press w and rotate the command dial 65 to choose a movie option. Description Press w and rotate the command dial to switch between calendar mode and list by date mode. Rotate the command dial to switch to the thumbnail wheel playback. Rotate the command dial to choose a picture. Rotate the command dial to zoom in on the current picture. Rotate the command dial to fastforward or rewind.

A 60, 61 52 51, 52 53 70, 74 P, S, A or M w+ w+ w+ y D (movie) With Playback Mode Playback Full-frame playback Thumbnail playback or Thumbnail wheel playback Playback zoom Movie/Audio playback Use w+ 9 Basic Operations The Multi Selector This section describes standard uses of the multi selector to select modes, select menu options and to apply selection. Introduction With Shooting Display m (flash mode) (A 30) menu or move cursor down Display o (exposure compensation) (A 34) menu Display n (self-timer) (A 32) menu Apply selection Display p (focus mode) (A 33) menu or move cursor down U V W X Y U Z Flash mode With Playback Choose the previous picture 15/11/2007 15:30 0004.JPG Choose the next picture F 4 4 With Menu Screens Move cursor up Display sub-menu or move apply selection right Return to the previous menu Apply selection Move cursor down Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Exit b F g a C 10 Notes on the Multi Selector In the manual, the button indicating up, down, left and right of the multi selector is shown as H, I, J, and K. Basic Operations The d Button Press d to display the menu for the selected mode. Use the multi selector to navigate the menus (A 10). Menu options can also be selected by rotating the command dial. Shooting menu Image quality Image size Optimize image White balance ISO sensitivity Exit b F g a a Introduction Displayed when the menu contains two or more pages Displayed when there are one or more menu items to follow Displayed when there are more previous menu items Shooting menu Metering Continuous Auto bracketing AF area mode Auto-focus mode Exit The selected option G U k w A H Auto bracketing X 0.3 Y 0.7 Z 1.0 k Off Exit Press k or the multi selector K to proceed to the next set of options. Press k or the multi selector K to apply selection. Help Displays Rotate the zoom control to g (j) when M is displayed at the lower right 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. q Image quality Choose from 3 image quality settings which govern compression/file size. Exit Back 11 Basic Operations The x Button To hide or show monitor indicators during shooting and playback, press x.

With Shooting Current settings Introduction F 1/125 F4.3 17 1/125 F4.3 Framing guides (a, B, P, S, A, and M modes only) Monitor off (P, S, A, and M modes only). Shooting is available only when camera is in focus (AF lamp is lit). View through lens only With Playback Photo information displayed 15/11/2007 15:30 0004.

JPG Shooting data displayed (see below) 100NIKON 0004.JPG P 1/125 F4.3 o+1.0 +1.0 Auto Photo information hidden F 4 4 Shooting data: Shows the folder name, file name, exposure mode, shutter speed, aperture, exposure compensation, ISO sensitivity, and histogram for the current picture. Shooting data are not displayed if the current picture is a movie. · Exposure mode: P, S, A, or M (A 45). P is also displayed on pictures shot in A (auto), a (anti-shake), B (high sensitivity), and y (scene) modes. · Histogram: A graph showing tone distribution. The horizontal axis corresponds to pixel brightness, with dark tones to the left and bright tones to the right; the vertical axis shows number of pixels of each brightness in image.

12 Basic Operations Attaching the Camera Strap Attach both ends of the camera strap to the eyelet as shown below. Introduction 13 First Steps Charging the Battery Charge the supplied Rechargeable Li-ion Battery EN-EL5 with the supplied Battery Charger MH-61 before first use or when the battery is running low. 1 First Steps Plug the charger in Connect the power cable to the charger 1 and then plug it into an electrical outlet 2. The CHARGE lamp will light 3. 2 Charge the battery Remove the battery terminal cover and insert the battery as shown, matching the projections on the battery to the indentations in the charger. The CHARGE lamp will blink 1 as the battery recharges. Charging is complete when the CHARGE lamp stops blinking 2. A fully-exhausted battery will charge in about two hours. 14 Charging the Battery CHARGE lamp Blinks On Battery charging. Battery fully charged.  
Description Flickers · Use the charger at an ambient temperature range of 5 to 35 °C (41 to 95 °F) to charge the battery. · The battery is faulty. Unplug the charger immediately and stop charging the battery.



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Bring the battery and charger to a Nikon authorized service representative for inspection. First Steps 3 When the charging is complete, remove the battery and unplug the power cable from the electrical outlet.

**B The Battery Charger** · The supplied Battery Charger MH-61 is for use only with the Rechargeable Li-ion Battery EN-EL5. · Be sure to read and follow the warnings and cautions on pages iii to iv of this manual, before using the battery charger. 15 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 (A 14). 1 First Steps Open the battery-chamber/memory card slot cover.

2 Insert the battery. Confirm that the positive (+) and negative (-) terminals are oriented correctly, as described on the label at the entrance of the battery chamber, and insert the battery. Use the side of the battery to push the orange battery latch up 1 as the battery is inserted 2. The latch drops back into place when the battery is fully inserted. Battery latch B Inserting the Battery Inserting the battery upside down or backwards could damage the camera. Be sure to check the battery is in the correct orientation. 3 Close the battery-chamber/memory card slot cover. 16 Inserting the Battery Removing the Battery Turn the camera off and confirm that the power-on lamp is off before removing the battery. To eject the battery, open the battery-chamber/memory card slot cover and slide the battery latch in the direction shown 1. The battery can then be removed by hand 2.

· Note that the battery may become hot during use; observe due caution when removing the battery. First Steps Turning On and Off the Camera To turn on the camera, press the power switch. The power-on lamp (green) will light and the monitor will turn on. To turn off the camera, press the power switch again. If the camera is turned off, hold down c to turn the camera on in playback mode (A 28). B Notes on the Battery · Only the Rechargeable Li-ion Battery EN-EL5 can be used. Do not, under any circumstances, attempt to use another type of battery. · Be sure to read and follow the warnings for the battery on page iii and the section "Caring for the Camera" (A 141), before using the battery. B AC Adapter The AC Adapter EH-62A (available separately from Nikon) can be used to power the COOLPIX P5100 from an electrical outlet. Do not, under any circumstances, use another make or model of AC adapter.

Failure to observe this precaution could result in overheating or in damage to the camera. 17 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 will light and the monitor will turn on. 2 Use the multi selector to choose the desired language and press k.

For information on using the multi selector, see "The Multi Selector" (A 10). 3 Choose [Yes] and press k. If [No] is selected, the date and time will not be set. d Date Set time and date? No Yes 4 Press k. Time zone w London, Casablanca Daylight saving D Daylight Saving Time 18 If daylight saving time is in effect, turn on [Daylight saving] in the time zone menu and set the date.

I Before pressing k, press the multi selector I to choose [Daylight saving]. 2 Press k to enable daylight saving time (w). Pressing k toggles the daylight saving time option on and off. 3 Press the multi selector H, and then press k to proceed to step 5. When daylight saving time ends, turn [Daylight saving] off from the date menu (A 123) in the setup menu. The camera's clock is automatically set back one hour. Setting Display Language, Date and Time 5 Select your home time zone (A 125) and press k. The date menu is displayed. Home time zone w London, Casablanca Back First Steps 6 Edit the date. · Press the multi selector H or I, to edit the highlighted item.

· Press the multi selector K to highlight the day ([D]), month ([M]), year ([Y]), time, minute, and date display order. Press the multi selector J to highlight items in reverse order (order may differ in some regions). Date D M Y 15 00 09 00 2007 7 Choose the order in which the day, month and year are displayed and press k or the multi selector K. The settings are applied and monitor display exits to shooting mode. Date D M Y 15 10 11 15 2007 D Editing the Date and Time To edit the date and time, select [Date] from the [Date] menu (A 123) in the setup menu (A 120) and follow the procedure described in step 6. 19 Inserting Memory Cards Pictures are stored in the camera's internal memory (approx. 52 MB) or on removable Secure Digital (SD) memory cards (available separately) (A 137). If a memory card is inserted in the camera, pictures are automatically stored on the memory card and pictures recorded to the memory card can be played back, deleted or transferred. Remove the memory card to store pictures in the internal memory, or play back, delete or transfer pictures from the internal memory. First Steps 1 Turn the camera off and open the battery-chamber/memory card slot cover.

If the power-on lamp is lit, press the power switch to turn off the camera. Make sure that the camera is off (power-on lamp is off) before inserting or removing the memory card. 2 Insert the memory card. Slide the memory card in correctly until it clicks into place. Close the battery-chamber/memory card slot cover. B Inserting Memory Cards Inserting the memory card upside down or backwards could damage the camera or the memory card. Make sure that the memory card is correctly oriented. 20 Inserting Memory Cards Removing Memory Cards Before removing memory cards, turn the camera off and confirm that the power-on lamp is off. Open the battery-chamber/memory card slot cover and press the card in 1 to partially eject the card 2. The card can then be removed by hand.

First Steps B Formatting Memory Cards If the message at right is displayed, the memory card must be formatted before use (A 131). Note that formatting permanently deletes all pictures and other data on the memory card. Be sure to make copies of any pictures you wish to keep before formatting the memory card. P Card is not formatted. Format card? No Yes Use the multi selector to choose [Yes] and press k. The confirmation dialog will be displayed. To start formatting, choose [Format] and press k. · Do not turn the camera off or open the battery-chamber/memory card slot cover until formatting is complete. · The first time you insert the memory cards used in other devices into the COOLPIX P5100, be sure to format them (A 131) with this camera. B The Write Protect Switch Write protect switch SD memory cards are equipped with a write protect switch.



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Pictures cannot be recorded or deleted and the memory card cannot be formatted when this switch is in the "lock" position. Unlock by sliding the switch to the "write" position. B Memory Cards · Use only Secure Digital memory cards. · Do not perform the following during formatting, while data is being written to or deleted from the memory card, or during data transfer to a computer. Failure to observe this precaution could result in the loss of data or in damage to the camera or memory card: · Eject the memory card · Remove the battery · Turn off the camera · Disconnect the AC adapter · 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.

21 Basic Photography and Playback: Auto Mode Step 1 Turn the Camera On and Select A (Auto) Mode This section describes how to shoot in A (auto) mode, an automatic, "point-and-shoot" mode recommended for first-time users of digital cameras. 1 Rotate the mode dial to A. Basic Photography and Playback: Auto Mode 2 Press the power switch to turn on the camera. The power-on lamp will light, the monitor will turn on, and the lens will extend. 3 Check the battery level and number of exposures remaining.

Battery Level Monitor NO INDICATOR B N Warning! Battery exhausted. Description Battery fully charged. Battery low; prepare to charge or replace the battery. Cannot shoot pictures. Recharge or replace with a fully-charged battery.

F A Battery level indicator 1/125 1/125 F4.3 F4.3 17 Number of exposures remaining Number of Exposures Remaining The number of pictures that can be stored depends on the capacity of the memory or memory card, image quality, and image size. 22 Step 1 Turn the Camera On and Select A (Auto) Mode Indicators Displayed in A (Auto) Mode Internal memory indicator Pictures will be recorded to internal memory. When memory card is inserted, C is not displayed and pictures will be recorded to memory card. Shooting mode A displayed in A (auto) mode. A Basic Photography and Playback: Auto Mode F 1/125 1/125 F4.3 F4.3 17 Image quality/Image size Current image quality and size settings are displayed. The default settings are W (Normal) for image quality and G (4,000 × 3,000) for image size.

Vibration reduction icon Vibration reduction can be applied to reduce the effects of camera shake. Aperture (A 45) Shutter speed (A 45) D Available Functions in A (Auto) Mode In A (auto) mode, focus mode (A 33) and exposure compensation (A 34) can be applied and the camera can shoot using the flash mode (A 30) and self-timer (A 32). Pressing d displays the shooting menu options for specifying the image quality (A 91) and image size (A 92). D Vibration Reduction [Vibration reduction] (A 128), when [On] (default setting) is selected, can be applied to effectively reduce blur, caused by slight hand movement known as camera shake, that commonly occurs when shooting with zoom applied or at slow shutter speeds. Vibration reduction can be used in all shooting modes. D Auto Power-Off in A (Auto) Mode (Standby Mode) The monitor will dim to reduce the drain on the battery if no operations are performed for about five seconds. The monitor will brighten when camera controls are used. At default settings, the monitor will turn off altogether if no operations are performed for about a minute during shooting and playback. The camera will turn off automatically if no operations are performed for another three minutes (A 130). 23 Step 2 Frame a Picture 1 Ready the camera.

Hold the camera steadily in both hands, keeping your fingers and other objects away from the lens, built-in flash and self-timer lamp. When shooting in "tall" (portrait) orientation, hold the camera so that the built-in flash is up. Basic Photography and Playback: Auto Mode 2 Frame the picture. Position the main subject near the center of the monitor. A F 1/125 1/125 F4.

3 F4.3 17 Using the Viewfinder Use the viewfinder to frame pictures when bright light makes it difficult to see the display in the monitor. B The Viewfinder 24 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 1 m (3 ft. 3 in.) or less · When a converter lens is used (available separately from Nikon; A 110, 138) · When digital zoom is applied (A 25, 129) · When shooting at an image size of I (3,984 × 2,656), G (3,968 × 2,232), or H (2,992 × 2,992) Step 2 Frame a Picture Using the Zoom Use the zoom control to activate optical zoom.

Rotate the zoom control to f (h) to zoom out, increasing the area visible in the frame, or g (i) to zoom in so that the subject fills a larger area of the frame. Zoom out Zoom in Basic Photography and Playback: Auto Mode When the camera is zoomed in to the maximum magnification (3.5×), rotating and holding the zoom control at g (i) triggers digital zoom. The subject is magnified up to 4×, for a total magnification of 14×. When digital zoom is in effect, the camera will focus on the subject in the center focus area. A monitor indicator shows the current zoom ratio. V Zoom indicator is displayed when the zoom control is rotated Optical zoom Zoom indicator turns yellow when digital zoom is in effect B Digital Zoom and Image Quality If possible, digital zoom will create a picture by cropping the area visible in the monitor to the current image size (A 92), increasing magnification without affecting quality. If the crop would be smaller than the current image size, additional pixels are added through a process known as interpolation, creating a slightly "grainy" image. The amount of zoom available before interpolation is used depends on the option currently selected for image size, as shown in the following table. The camera pauses temporarily in its zooming operation when it reaches the maximum zoom ratio possible before interpolation is used.

V is displayed when interpolation is in effect. Maximum zoom ratio without interpolation Image size F, I, G, H E D C Zoom ratio 3.5× (up to the maximum optical zoom ratio) 4.2× (digital zoom up to 1.2×) 4.9× (digital zoom up to 1.4×) 6.3× (digital zoom up to 1.8×) Image size B A J K Zoom ratio 8.4× (digital zoom up to 2.

4×) 10.5× (digital zoom up to 3.0×) 13.3× (digital zoom up to 3.8×) 14× (digital zoom up to 4×) Digital zoom can be limited to the range at which interpolation is not in effect, or it can be turned off (A 129).



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25 Step 3 Focus and Shoot 1 Press the shutter-release button halfway. The camera automatically focuses on the subject in the center focus area. When the subject in focus, the focus area will glow green, and the green AF lamp next to the viewfinder will light. When the camera is unable to focus, the focus area blinks red, and the AF lamp will flicker. Change the composition and try again.

When digital zoom is in effect, the focus area will not be displayed and the camera will focus on the subject in the center focus area. A Basic Photography and Playback: Auto Mode F 1/125 1/125 F4.3 F4.3 17 2 Press the shutter-release button the rest of the way down. The picture will be recorded to the memory card or internal memory. D Shutter-release Button The camera features a two-stage shutter-release button. To set focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. Focus and exposure lock while the shutter-release button is held in this position. To release the shutter and shoot, 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.

26 Press the shutter-release button halfway to set 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 O (wait) icon will be displayed, the C or X (when a memory card is inserted in the camera) icon blinks, and the AF lamp blinks. Do not turn the camera off, open the battery-chamber/memory card slot cover, or remove or disconnect the power source while these icons are displayed. Cutting power or removing the memory card in these circumstances could result in loss of data or in damage to the camera or card. C 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 and the AF lamp glow 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. the subject is 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: Auto Mode D Focus Lock To focus on an off-center subject when [Center] is selected for [AF area mode], use focus lock as described blow.

· Be sure that the distance between the camera and the subject does not change while focus is locked. · When the shutter-release button is pressed halfway, exposure is locked. A C g A C g A C g F 1/125 F4.3 17 F 1/125 F4.3 17 F 1/125 F4.

3 17 Position the subject in the center focus area. Press the shutter-release button halfway. Confirm that the focus area is green. Continue holding down the shutter-release button halfway and recompose the picture. Press the shutter-release button the rest of the way down. D AF-assist Illuminator and Flash If the subject is poorly lit, the AF-assist illuminator may light by pressing the shutter-release button halfway, or the flash may fire by pressing the shutter-release button all the way down. The illuminator has a range of about 1.9 m (6.2 ft.) at the maximum wide-angle position and about 1.

1 m (3.6 ft.) at the maximum telescopic position. The AF-assist illuminator can be set to [Off] manually (A 129), although in this case the camera may not focus when lighting is poor. 27 Step 4 Viewing and Deleting Pictures Viewing Pictures (Playback Mode) Press c. 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. Hold down the multi selector H, I, J, or K to fast forward pictures. Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory. Press c or the shutter-release button to switch to shooting mode.

When C is displayed, pictures stored in the internal memory will be displayed. When memory card is inserted, C is not displayed and pictures stored on the memory card will be displayed. Internal memory indicator 15/11/2007 15:30 0004.JPG Basic Photography and Playback: Auto Mode F 4 4 Deleting Pictures 1 Press l to delete the picture currently displayed in the monitor. 2 Use the multi selector to select [Yes] and press k.

To exit without deleting the picture, choose [No] and press k. N Erase 1 image? Done No Yes 28 Step 4 Viewing and Deleting Pictures C Playback Mode The following options are available in full-frame playback mode. Option Use g (i) Description Press g (i) to enlarge view of picture currently displayed in monitor, up to about 10x. Press k to return to fullframe playback mode. Press f (h) to display four-, nine- or 16- picture thumbnails.

Rotate the command dial to display the thumbnail wheel. A Playback zoom 53 View thumbnails Display thumbnail wheel Hide or show photo info Record/play voice memo f (h) 51 52 12 59 Basic Photography and Playback: Auto Mode x k c Hide or show photo info in monitor. Press k to record or play back voice memos up to 20 seconds in length. Press c or the shutter-release button to switch to the mode selected with the mode dial. Switch to shooting mode 28 C C C

Pressing c to Turn On the Camera When the camera is off, holding down c will turn the camera on in playback mode. The lens does not extend. Viewing Pictures Pictures stored in the internal memory can only be viewed if no memory card is inserted. Deleting the Last Picture Shot Erase 1 image? In shooting mode, press l to delete the last picture shot. No Yes 29 Using the Flash The flash has a range of about 0.3-8 m (1-26 ft.

2.9 in.) when the camera is zoomed out all the way. With maximum optical zoom applied, the range is about 0.3-4 m (1-13 ft. 1.5 in.) (when [ISO sensitivity] is set to [Auto]). The following flash modes are available. U V Basic Photography and Playback: Auto Mode Auto (default setting for A (auto) mode) Flash fires automatically when lighting is poor.

Auto with red-eye reduction Reduces "red-eye" in portraits (A 31). Off Flash will not fire even when lighting is poor. Fill flash Flash fires when a picture is shot. Use to "fill-in" (illuminate) shadows and back-lit subjects.



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W X Y Slow sync U (auto) 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 effect of a stream of light behind moving subjects. Setting the Flash Mode 1 Press m (flash mode). The flash menu is displayed. 2 Use the multi selector to choose the desired flash mode and press k.

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 five seconds. If a setting is not applied by pressing k within a few seconds, the selection will be cancelled. A U V W X Y U Z Flash mode X 30 Using the Flash B Shooting When Lighting Is Poor and the Flash Is Disabled (W) · Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake. Turn vibration reduction (A 128) off when using a tripod. · Place the camera on a flat, level surface or use a tripod (recommended). · The E symbol is displayed when the camera automatically increases sensitivity to minimize blur caused by slow shutter speed. Pictures shot when E is displayed may be slightly mottled. B Note on Using the Flash Basic Photography and Playback: Auto Mode When using the flash at a wide-angle zoom position, 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 zoom in on the subject.

C The Flash Lamp The flash lamp indicates flash status when the shutter-release button is pressed halfway. · On:Flash will fire when picture is shot. · Blinks:Flash charging. Wait a few seconds and try again. · Off:Flash will not fire when picture is shot. When pictures are shot using the flash and a low battery, the monitor display will turn off and the flash lamp will blink until the flash is fully charged. C The Flash Mode Setting In A (auto), high-sensitivity shooting, P, S, A, and M modes, the default setting is U (auto). When any flash mode other than V (auto with red-eye reduction) is applied in A (auto) mode, the setting is only enabled until the camera is turned off. Turning the camera off returns flash mode to U (auto). When flash mode is applied in a scene mode, the setting is only enabled until another shooting mode is selected or the camera is turned off.

C Red-eye Reduction This camera uses advanced red-eye reduction ("In-Camera Red-Eye Fix"). The flash fires repeatedly at low intensity before the main flash, reducing red-eye. The camera then analyzes the picture; if red-eye is detected, the affected area will be processed to further reduce red-eye before the picture is saved. Note that because there is a slight lag between the shutter-release button being pressed and the picture being shot, this mode is not recommended when a quick shutter response is required. The time before the next picture can be shot also increases slightly.

Advanced red-eye reduction may not produce the desired results in all 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. D More Information See "Using Optional Speedlights" (A 139) for more information. 31 Shooting with the Self-timer The camera is equipped with a ten-second and three-second timer for selfportraits. When using the self-timer, use of a tripod is recommended.

Turn vibration reduction (A 128) off when using a tripod. 1 Press n (self-timer). The self-timer menu is displayed. Basic Photography and Playback: Auto Mode 2 Use the multi selector to choose [10s] or [3s] and press k. [10s] (ten seconds): Suited for important occasions (such as weddings) [3s] (three seconds): Suited for preventing camera shake The mode selected for self-timer is displayed. k 10s 3s kn Self-timer If a setting is not applied by pressing k within a few seconds, the selection will be cancelled. 3 Frame the picture and press the shutter-release button halfway. Focus and exposure will be set. A n F 1/125 1/125 F4.3 F4.

3 17 4 Press the shutter-release button the rest of the way down. The self-timer starts and the self-timer lamp will blink. The lamp stops blinking one second before the photograph is shot and remains lit until the shutter is released. The number of seconds remaining before the shutter is released is displayed in the monitor. When the shutter is released, the self-timer turns off. To stop the timer before a picture is shot, press the shutter-release button again. A n F 1/125 1/125 F4.3 F4.3 17 32 Choosing a Focus Mode Choose a focus mode according to the subject and composition. A Autofocus Camera automatically adjusts focus according to distance to subject.

Use when the distance from subject to lens is 30 cm (1 ft.) or more, or 70 cm (2 ft. 4 in.) or more when camera is zoomed all the way out. Infinity Use when shooting distant scenes through foreground objects such as windows or when shooting landscapes at ranges of 5 m (16 ft. 5 in.) or more. Flash turns off automatically. Macro close-up Use for close-ups. If zoomed in or out until D icon in display turns green, camera can focus on objects as close as 4 cm (1.

6 in.) to lens. Camera focuses continuously until shutter-release button is pressed halfway. B Basic Photography and Playback: Auto Mode D Setting the Focus Mode 1 Press p (focus mode). The focus menu is displayed. A Focus 2 Use the multi selector to choose the desired focus mode and press k. A The icon for the selected focus mode is displayed at the top of the monitor. When A (autofocus) is applied, P is only displayed for five seconds. If a setting is not applied by pressing k within a few seconds, P selection will be 9 the 1/125 F4.3 cancelled.

C Macro Close-up Mode In macro close-up mode, the camera focuses continuously, even when the shutter-release button is not pressed halfway to lock focus. However, in P, S, A, and M modes, the setting of [Auto-focus mode] (A 107) will be applied. C The Focus Mode Setting In A (auto), anti-shake, high-sensitivity shooting, P, S, A, and M modes, the default setting is A (autofocus). The focus mode applied in A (auto) mode will be restored to its default setting when another shooting mode is selected or the camera is turned off. The focus mode applied in scene mode will be restored to its default setting when another shooting mode is selected or the camera is turned off. 33 Exposure Compensation Exposure compensation is used to alter exposure from the value suggested by the camera to make pictures brighter or darker. 1 Press o (exposure compensation). The exposure compensation value will be displayed. Exposure compensation is not available in mode M (manual).



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2 Basic Photography and Playback: Auto Mode Press the multi selector H or I to adjust exposure.

The exposure compensation menu is displayed. When the picture is too dark, adjust the exposure compensation in the positive (+) direction. When the picture is too bright, adjust the exposure compensation in the negative (-) direction. Exposure compensation can be set to values between 2.

0 and +2.0 EV in increments of 1/3 EV. 3 Press the shutter-release button to shoot. Repeat steps 2 and 3 to shoot while adjusting the exposure compensation value a little at a time. o +0.

3 4 Press k. When an exposure compensation value other than [0.0] is applied, the value is displayed with the H icon in the monitor. To cancel exposure compensation, select [0.0] before pressing k, or follow steps 1 and 2 to select [0.0]. A F 1/125 1/125 F4.3 F4.3 17 When exposure compensation is adjusted in A (auto) mode, a scene mode, or anti-shake mode, the setting is only enabled until another shooting mode is selected or the camera is turned off. Switching to another shooting mode or turning the camera off cancels exposure compensation and returns to [0].

0]. C Exposure Compensation Value D Using Exposure Compensation 34 The camera tends to lower exposure when the frame is dominated by brightly lit objects and to increase exposure when the frame is mostly dark. Positive compensation may therefore be required to capture the brilliancy of very bright objects that fill the frame (for example, sunlit expanses of water, sand, or snow) or when the background is much brighter than the main subject. Negative compensation may be called for when large areas of the frame contain very dark objects (for example, a swath of dark green leaves) or when the background is much darker than the main subject. Shooting Suited for the Scene Shooting in the Scene Mode Camera settings are automatically optimized for the selected subject type. The following scene modes are available. The voice recording option can also be selected to record sound only. b Portrait c Landscape d Sports e Night portrait f Party/indoor g Beach/snow h Sunset i Dusk/dawn j Night landscape k Close up l Museum m Fireworks show n Copy o Backlight p

Panorama assist E Voice recording\* \* See "Voice Recordings" (A 71). Setting the Scene Mode Shooting Suited for the Scene 1 Rotate the mode dial to y. 2 Press d to display the scene menu screen, choose the desired scene with the multi selector and press k.

g h i j k Scene menu Beach/snow Sunset Dusk/dawn Night landscape Close up Exit 3 Frame the subject and shoot. g F 1/125 F4.3 17 D D Using the Command Dial to Select a Scene A scene can also be selected by holding down w and rotating the command dial. Image Quality and Image Size [Image quality] (A 91) and [Image size] (A 92) can be set in the scene menu. Changes made to these settings apply to all shooting modes.

35 Shooting in the Scene Mode Features b Portrait Use this mode for portraits in which the main subject stands out clearly. Portrait subjects exhibit smooth, natural-looking skin tones. · The camera detects and focuses on a face looking toward the camera (Shooting with Face-Priority A 106). · If the camera detects multiple faces, the camera focuses on the face closest to the camera. · If no face is recognized, the camera will focus on the subject in the center focus area. · Digital zoom is not available. m V\* n Off\* \* Other settings can be selected. p A o 0.0\* h Auto\* Shooting Suited for the Scene c Landscape Use this mode for vivid landscapes and cityscapes. · Camera focuses at infinity. The AF lamp (A 26) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus. m W n Off\* \* Other settings can be selected. p B o h 0.0\* Off C Icons Used for Descriptions The following icons are used for descriptions in this section: m, flash mode (A 30); n, self-timer (A 32); p, focus mode (A 33); o, exposure compensation (A 34); h, AF-assist illumination (A 129).

C 36 Scene Mode Settings Adjustments to the flash mode setting, self-timer setting, focus mode setting, and exposure compensation value applied in any scene mode are cancelled and these settings return to their default values whenever another shooting mode is selected or the camera is turned off. Shooting in the

Scene Mode d Sports Use this mode for dynamic action shots that freeze the action in a single shot and record motion in a series of pictures. · While the shutter-release button is pressed halfway, the camera focuses continuously until focus is acquired and locked. · While the shutter-release button is held down, the camera shoots at a rate of about 1.1 frames per second (fps) when image quality is set to Normal and image size is set to F (4,000 × 3,000). This rate is maintained for up to 5 pictures. Focus, exposure compensation, and white balance are fixed at values determined with the first shot in each series. · The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used. · Camera focuses on subject in center of frame. m W n Off\* \* Other settings can be selected.

e Night portrait p A o 0.0\* h Off Shooting Suited for the Scene OQ Use this mode to achieve a natural balance between the main subject and background lighting in portraits shot at night. · The camera detects and focuses on a face looking toward the camera (Shooting with Face-Priority A 106). · If the camera detects multiple faces, the camera focuses on the face closest to the camera. · If no face is recognized, the camera will focus on the subject in the center focus area.

· Digital zoom is not available. m 1 2 V1 n Off2 p A o 0.02 h Auto2 Fill flash with slow sync and red-eye reduction. Other settings can be selected. f Party/indoor Captures the effects of candlelight and other indoor background lighting.

· Camera focuses on subject in center of frame. · As pictures are easily affected by camera shake, check the [Vibration reduction] (A 128) setting and hold the camera steadily. m V1 n Off2 p A o 0.02 h Auto2 1 2 Fill flash with slow sync and red-eye reduction. Other settings can be selected. Other settings can be selected. O: For those scene modes with O, use of a tripod is recommended. Turn vibration reduction (A 128) off when using a tripod. Q: Pictures shot in scene modes utilizing Q may be processed to reduce noise and therefore take longer to record. 37 Shooting in the Scene Mode g Beach/snow Captures the brightness of such subjects as snowfields, beaches, or sunlit expanses of water.

· Camera focuses on subject in center of frame. m U\* n Off\* p A o 0.0\* h Auto\* \* Other settings can be selected.



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