



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX L110. You'll find the answers to all your questions on the NIKON COOLPIX L110 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 L110
User guide NIKON COOLPIX L110
Operating instructions NIKON COOLPIX L110
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Nikon

DIGITAL CAMERA
COOLPIX L110
User's Manual



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Manual abstract:

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

Introduction First Steps Basic Photography and Playback: G Easy Auto Mode More on Shooting More on Playback Editing Image Movie Recording and Playback Connecting to Televisions, Computers and Printers Basic Camera Setup Notes on Camera Care and General Usage Technical Notes 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 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. · Use only the batteries approved for use in this product (A 14). Do not combine old and new batteries or batteries of different makes or types. · When charging Nikon EN-MH2 rechargeable Ni-MH batteries, use only the specified charger and charge the batteries four at a time. When replacing the batteries with EN-MH2-B2 batteries (available separately), purchase two sets (total of four batteries). · The EN-MH2 rechargeable batteries are for use with Nikon digital cameras only, and are compatible with COOLPIX L110.

· Insert batteries in the correct orientation. · 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. · Do not transport or store with metal objects such as necklaces or hairpins. · Batteries are 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 Chargers (available separately) Keep Dry.

Failure to observe this precaution could result in fire or electric shock. Dust on or near the metal parts of the plug should be removed with a dry cloth. Continued use could result in fire. Do not handle the power cable or go near the battery charger during lightning storms. Failure to observe this precaution could result in electric shock.

Do not damage, modify, forcibly tug or bend the power cable, place it under heavy objects, or expose it to heat or flame. Should the insulation be damaged and the wires become exposed, take it to a Nikon-authorized service representative for inspection. Failure to observe these precautions could result in fire or electric shock. Do not handle the plug or battery charger with wet hands. Failure to observe this precaution could result in electric shock.

Do not use with travel converters or adapters designed to convert from one voltage to another or with DC-to-AC inverters. Failure to observe this precaution could damage the product or result in 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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.. 137 x Introduction About This Manual Thank you for purchasing a Nikon COOLPIX L110 digital camera. This manual was 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: 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 appear in bold. 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.



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C Memory Cards Images taken with this camera can be saved in the camera's internal memory or on removable memory cards.

If a memory card is inserted, all new images will be saved on the memory card and delete, playback and format operations will apply only to the images on the memory card. The memory card must be removed before the internal memory can be formatted or used to save, delete or view images. 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. For more information about Nikon brand accessories, contact a local authorized Nikon dealer. Before Taking Important Pictures Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning correctly.

Nikon will not be held liable for damages or lost profits that may result from product malfunction. About the Manuals · No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission. · Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice. · Nikon will not be held liable for any damages resulting from the use of this product. · While every effort was made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately). 2 Information and Precautions Notice Concerning Prohibition of Copying or Reproduction Note that simply being in possession of material that was digitally copied or reproduced by means of a scanner, digital camera or other device may be punishable by law. · Items prohibited by law from being copied or reproduced Do not copy or reproduce paper money, coins, securities, government bonds or local government bonds, even if such copies or reproductions are stamped "Sample". The copying or reproduction of paper money, coins, or securities that are circulated in a foreign country is prohibited. Unless the prior permission of the government was obtained, the copying or reproduction of unused postage stamps or post cards issued by the government is prohibited. The copying or reproduction of stamps issued by the government and of certified documents stipulated by law is prohibited.

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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 1 234 Introduction 5 6 7 8 9 14 13 10 11 12 1 Zoom control

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18 5 Parts of the Camera Raising and Lowering the Built-in Flash Raising the built-in flash See "Using the Flash" (A 29) for more information about flash settings. Introduction Lowering the Built-in Flash. Push the built-in flash down gently to lower the built-in flash when not in use.



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6 Parts of the Camera Attaching the Camera Strap and Lens Cap Attach the lens cap to the camera strap, and then attach the strap to the camera (at two places). Introduction B Lens Cap · Remove the lens cap before you shoot a picture.

· At times when you will not be shooting pictures such as when the power is off or while you are carrying the camera, attach the lens cap to the camera to protect the lens. 7 Parts of the Camera The Monitor The following indicators may be displayed in the monitor during shooting and playback (actual display varies with current camera settings). The indicators and photo info displayed during shooting and playback will turn off after a few seconds (A 101).

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24 Focus area
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.....22, 24 Focus area (Face Detection) ..

.....22, 24 Shutter speed...
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shooting mode.

· Press A in shooting mode to display the shooting-mode selection menu and change the shooting mode (A 34). Introduction c (playback) button · During shooting mode, the camera enters the playback mode when c is pressed. · If the camera is turned off, hold down c to turn the camera on in playback mode. b (movie-record) button · Press the b (movie-record) button in shooting mode to start recording a movie. Press the b (movie-record) button again to stop recording. · Press the b (movie-record) button in playback mode to enter shooting mode. 10 Basic Operations The Multi Selector This section describes standard uses of the multi selector to select modes, select menu options and to apply selection. Operate the multi selector by pressing it up, down, left, right, or by pressing k. Introduction For Shooting Display m (flash mode) menu (A 29)/select the item above. Display n (self-timer) menu (A 32).

Display o (exposure compensation) menu (A 33). Apply selection. Display p (macro mode) menu (A 49)/select the item below. Self-timer For Playback 15/05/2010 15:30 30 0004.JPG PG Display the previous image.

Display the next image. 4 4 For the Menu Screen Select the item above. Select the item to the left/return to the previous screen. Select the item below. Shooting menu Apply selection (Go to the next screen).

Select the item to the right/ go to the next screen (apply selection). Image mode White balance Continuous ISO sensitivity Color options Exit C Notes on the Multi Selector In this manual, H, I, J and K are used in some cases for indicating the up, down, left and right operating parts of the multi selector. 11 Basic Operations d button Press d to display the menu for the selected mode. · Use the multi selector to apply settings (A 11). · Select a tab on the left side of the monitor to display the corresponding menu. · To exit the menu display, press d again. Menus available for the current mode are displayed. Display the movie menu (during shooting). Display the setup menu. Shooting menu Image mode White balance Continuous ISO sensitivity Color options Introduction Exit Displayed when the menu contains two or more pages.

Displayed when there are more previous menu items. Displayed when there are one or more menu items to follow. Set up Motion detection AF assist Sound settings Auto off Format memory Language AF assist Auto Off Exit Exit Select an item and 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. Switching Between Tabs Shooting menu Image mode White balance Continuous ISO sensitivity Color options Shooting menu Image mode White balance Continuous ISO sensitivity Color options Movie Movie options Autofocus mode Wind noise reduction Exit Exit Exit Press the multi selector J to highlight the tab. Press the multi selector HI to select a tab and press k or K. The selected menu will be displayed. 12 To display the tabs, press the multi selector J while the menu is displayed in the following modes. · Easy auto mode, scene mode and smart portrait mode Basic Operations Help Displays Rotate the zoom control to g (j) when M/j 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.

Continuous Introduction Choose single frame, continuous mode, BSS (camera chooses sharpest shot in series), or multi-shot 16. Exit Back About the Shutter-release Button The camera features a two-stage shutter-release button. To set focus and exposure, press the shutter-release button halfway, stopping when you feel resistance. 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 images. Press the shutter-release button halfway to set focus and exposure. Press the shutter-release button the rest of the way down to take picture. 13 First Steps Inserting the Batteries 1 Open the battery-chamber/memory card slot cover.



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· Before opening the battery-chamber/memory card slot cover, hold the camera upside down to prevent the batteries from falling out.

1 3 2 First Steps 2 Insert the Batteries · 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 batteries. 3 Close the battery-chamber/memory card slot cover. 1 2 Applicable Batteries · Four FR6/L91 (AA-size) lithium batteries (batteries supplied) · Four LR6/L40 (AA-size) alkaline batteries · Four EN-MH2 rechargeable Ni-MH (nickel metal hydride) batteries Turning On and Off the Camera After removing the lens cap, press the power switch to turn on the camera. The power-on lamp (green) lights for a moment, then the monitor turns on. Press the power switch again to turn the camera off. When the camera turns off, both the power-on lamp and monitor turn off. If the camera is turned off, hold down c to turn the camera on in playback mode (A 26). 14 Inserting the Batteries B B Removing the Batteries 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. Additional Precautions Regarding Batteries · Read and follow the warnings and cautions (A iii, 119). · Be sure to read and follow the warnings for the battery on page iii and the section, "The Battery" (A 119), before using the battery.

· Do not combine old and new batteries or batteries of different makes or types. · Batteries with the following defects cannot be used: First Steps Batteries with peeling Batteries with insulation that does not cover the area around the negative terminal. Batteries with a flat negative terminal B B Notes on the EN-MH2 rechargeable Ni-MH batteries When using EN-MH2 batteries with the COOLPIX L110, charge the batteries four at a time using Battery Charger MH-73 (A 114, 122). Battery Type To improve battery performance, set the Battery type setting (A 114) in the setup menu (A 93) to match the type of batteries inserted into the camera. The default setting is the type of battery supplied with purchase. When any other type of battery is used, turn the camera on and change the setting. C C C Alkaline Batteries Alternative Power Sources Performance of alkaline batteries may vary greatly depending on the manufacturer. Choose a reliable brand. To power the camera continuously for extended periods, use an AC Adapter EH-67 (available separately) (A 122). 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. Auto Off (Standby Mode) If no operations are performed for a specified amount of time, the monitor turns off, the power-on lamp flashes, and the camera enters standby mode. After an additional three minutes, the auto power off feature turns the camera off. · During shooting or playback, the camera enters standby mode if no operations are performed for 30 seconds (default setting). · During standby mode, the monitor is off and the power-on lamp flashes; you can turn the monitor on by pressing any of the following buttons: power switch, shutter-release button, A button, c button, or the b (movie-record) button · The amount of time that passes before the camera enters standby mode is determined by the Auto off setting (A 108) in the setup menu (A 93).

C If Lens Error is displayed, make sure that the lens cap has been removed, then turn the camera on again. Lens Error 15 Setting Display Language, Date and Time A language-selection and date setting screen for the internal clock is displayed the first time the camera is turned on. 1 First Steps Press the power switch to turn on the camera. The power-on lamp (green) lights for a moment and the monitor turns on. Remove the lens cap.

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 11). 3 Choose Yes and press k. If No is selected, the date and time are not set. Date Set time and date? Yes No Cancel 4 Press J or K to select your home time zone (city name) (A 100) and press k. London Casablanca Back D Daylight Saving Time London Casablanca To use the camera in an area where daylight saving time is in effect, press H on the home time zone in Step 4 to set the daylight saving time to on. When the daylight saving time setting is selected, the W mark appears at the top of the monitor. To release the daylight saving time setting, press I. 16 Back Setting Display Language, Date and Time 5 Change the date and time. · Press H or I to edit the highlighted item.

· Press K to move the cursor in the following order. D -> M -> Y -> Hour -> Minute -> D M Y · Press J to return to the previous item. Date D 01 00 M 01 00 Y 2010 Edit First Steps 6 Choose the order in which the day, month and year are displayed and press k or K. · The settings are applied. Date D 15 15 M 05 10 Y 2010 Edit 7 Make sure that the lens cap has been removed, then press A. · The shooting-mode selection menu is displayed. Press this button in shooting mode for shootingmode selection menu. 8 When Easy auto mode is displayed, press k. · The camera enters shooting mode and you can take pictures in Easy auto mode (A 20). · Press the multi selector H or I before k, to switch to another shooting mode (A 34).

Easy auto mode D Changing the Date and Time, Date Imprint · To change the date and time, select Date from Date (A 98) in the setup menu (A 93) and follow the instructions starting from the above step 5. · To change the time zone and the daylight saving settings, select Time zone from Date in the setup menu (A 98, 99). · To imprint the shooting date into images when taking pictures, make sure the date and time are set, then set Date imprint (A 103) in the setup menu. 17 Inserting Memory Cards Images are saved in the camera's internal memory (approximately 43 MB) or on removable Secure Digital (SD) memory cards (available separately) (A 122). If a memory card is inserted into the camera, images are automatically saved on the memory card and images saved to the memory card can be played back, deleted or transferred.

Remove the memory card to save images in the internal memory, or play back, delete or transfer images from the internal memory. First Steps 1 Confirm the power-on lamp and the monitor are off and open the battery-chamber/ memory card slot cover. Be sure to turn off the camera before opening the battery-chamber/memory card slot cover. Before opening the battery-chamber/memory card slot cover, hold the camera upside down to prevent the batteries from falling out.



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1 3 2 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. 18 Inserting Memory Cards Removing Memory Cards 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. Open the battery-chamber/memory card slot cover and press the card in (1) to partially eject the card. Remove the card (2), being careful not to bend it. 12 First Steps B Formatting Memory Cards Card is not formatted. If the message at right is displayed, the memory card must be Format card? formatted before use (A 109). Note that formatting permanently deletes all images and other data on the memory card.

Be sure to make copies of any images you wish to keep before formatting the Yes No memory card. To format the memory card, use the multi selector to select Yes and press k. 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 camera, be sure to format them using this camera (A 109). B The Write Protect Switch Write protect switch SD memory cards are equipped with a write protect switch. Images cannot be saved 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: - Insert or remove the card - Remove the batteries - Turn off the camera - Disconnect the AC adapter · Do not format the memory card using a computer. · Do not disassemble or modify. · Do not drop, bend, or expose to water or strong physical 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. 19 Basic Photography and Playback: G Easy Auto Mode Step 1 Turn the Camera On and Select G (Easy Auto) Mode In G (easy auto) mode, the camera automatically determines an appropriate shooting mode when you frame a picture, allowing you to easily take pictures using a shooting mode that suits the scene (A 28). 1

Remove the lens cap and press the power switch to turn on the camera. · The power-on lamp (green) lights for a moment and the monitor turns on. The lens extends at this time. · Raise the built-in flash (A 6). Basic Photography and Playback: G Easy Auto Mode 2 Press A to display the shootingmode selection menu. 3 Press the multi selector HI to choose G and press k. · The camera enters G (easy auto) mode. Easy auto mode 4 Check the battery level and number of exposures remaining. Battery level indicator Monitor NO INDICATOR B N Battery exhausted. Description The battery level is high. Batteries low. Prepare to replace batteries.

Cannot take pictures. Replace with new batteries. Battery level indicator 14 Number of exposures remaining Number of Exposures Remaining 20 The number of images that can be saved depends on the capacity of the internal memory or memory card and image mode setting (A 52). Step 1 Turn the Camera On and Select G (Easy Auto) Mode Indicators Displayed in G (Easy auto) Mode Shooting mode In easy auto mode, the camera automatically selects U, e, f, g, h, i, or j mode according to the current subject and framing. Internal memory indicator Images will be saved to internal memory (approximately 43 MB). When a memory card is inserted, C is not displayed and images will be saved to memory card. Motion detection icon Reduce the blurring caused by subject movement or camera shake. Vibration reduction icon Reduce the effects of camera shake. Movie options Displays the movie setting used when recording movies (A 77). Press the b (movierecord) button to record movies (A 73).

Basic Photography and Playback: G Easy Auto Mode 14 Image mode Display image size and quality (compression) set in the image mode menu. The default setting is L 4000×3000. The indicators and photo info displayed during shooting and playback will turn off after a few seconds (A 101). While the monitor is off during standby mode, you can turn the monitor on by pressing any of the following buttons (A 108): power switch, shutter-release button, A button, or b (movie-record) button C Functions Available in Easy Auto Mode · When the camera is pointed at a person's face, the camera automatically detects the face and focuses on it (A 24, 28). · The self-timer (A 32) and exposure compensation (A 33) are available.

· The macro mode button (A 11, 49) on the multi selector is not available. Changes to macro mode when the camera selects close-up scene mode. · Image mode (A 51) can be changed by pressing d. C Note on the Flash When the built-in flash is lowered, the flash setting is fixed at off and W is displayed at the top of the monitor. In situations where flash is needed, such as in dark locations or when the subject is backlit, be sure to raise the built-in flash by hand (A 6, 29).

D Notes on Vibration Reduction and Motion Detection · See Vibration reduction (A 104) or Motion detection (A 105) in the setup menu (A 93) for more information. · Set Vibration reduction to Off when using a tripod. 21 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, flash, AF-assist illuminator and microphone. Basic Photography and Playback: G Easy Auto Mode 2 Frame the picture. Shooting mode icon · When the camera determines a scene mode, the shooting mode icon changes (A 28). · When the camera detects a human face, that face is framed by a yellow double border. Up to 12 faces can be detected. When the camera detects more than one face, the face closest to the camera is framed by a double border and the others by single borders. 14 · When shooting non-human subjects or when no faces are detected, the camera will focus on the center of the monitor.

Position the main subject near the center of the focus area. B 22 Easy auto mode · The desired scene mode may not be selected in certain conditions.



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In this case, select another shooting mode. · When digital zoom is in effect, the shooting mode is U. Step 2 Frame a Picture Using the Zoom Use the zoom control to activate optical zoom. Rotate the zoom control toward g to zoom in, increasing the size of the subject. Rotate the zoom control toward f to zoom out, increasing the area visible in the frame. 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: G Easy Auto Mode Optical zoom Digital zoom Digital Zoom When the camera is zoomed in to the maximum optical zoom magnification, rotating and holding the zoom control at g triggers digital zoom. Digital zoom can magnify the subject up to about 4× beyond the magnification of the optical zoom.

When digital zoom is used, the focus area is not displayed and the camera focuses at the center of the frame. Maximum optical zoom Digital zoom is in effect. C Digital Zoom and Interpolation Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of image quality. Interpolation is applied when shooting still images at zoom positions beyond V. When zoom is increased beyond the V position, interpolation is initiated and the zoom indicator turns yellow to indicate that interpolation is being applied.

The position of V moves to the right as image size decreases, allowing you to confirm the zoom positions at which still images can be captured without interpolation using the current image mode setting. When the image size is small. 23 Step 3 Focus and Shoot 1 Press the shutter-release button halfway. · Press halfway (A 13) to focus. When the subject is in focus, the focus area glows green.

When a face is detected: Basic Photography and Playback: G Easy Auto Mode When shooting nonhuman subjects or when no faces are detected: 1/125 F3.5 1/125 F3.5 Shutter Aperture Speed · When digital zoom is used, the focus area is not displayed and the camera focuses at the center of the frame. When the subject is in focus, the focus indicator glows green. Focus indicator 1/125 F5.4 · The shutter speed and aperture are displayed when the shutter-release button is pressed halfway. · Focus and exposure remain locked while the shutter release button is pressed halfway. · When the camera is unable to focus, the focus area, or focus indicator, blinks red. Change the composition and press the shutter-release button halfway again. 2 Press the shutter-release button the rest of the way down.

· The image is saved to the memory card or internal memory. 24 Step 3 Focus and Shoot B During Saving While images are being saved, the number of exposures remaining display will blink. Do not open the battery-chamber/memory card slot cover. Removing the memory card or the battery during saving may result in loss of data or in damage to the saved data, camera or card. B Autofocus Autofocus may not perform as expected in the following situations. In some rare cases, the subject may not be in focus despite the fact that the focus area or the focus indicator glows green: · Subject is very dark · Objects of sharply differing brightness are included in the scene (e.g. the sun is behind the subject and the subject is in deep shadow) · No contrast between the subject and surroundings (e.g. when the subject is wearing a white shirt and is standing in front of a white wall) · Several objects are at different distances from the camera (e.

g. the subject is inside a cage) · Subject is moving rapidly In these situations, try pressing the shutter-release button halfway again to refocus, several times if necessary. If the subject is still not in focus, select auto mode and use focus lock (A 48) to take the picture by first focusing on an object that is the same distance from the camera as the desired subject. Basic Photography and Playback: G Easy Auto Mode C C D Notes on Face Detection The Did someone blink? Screen See "Notes on Face Detection" (A 28) for more information. When d Blink warning is set to On, the Did someone blink? screen (A 111) is displayed after taking a picture if the camera detects a face with closed eyes.

AF-assist Illuminator and Flash If the subject is poorly lit, the AF-assist illuminator (A 106) may light by pressing the shutter-release button halfway, or the flash (A 29) may fire by pressing the shutter-release button all the way down. 25 Step 4 Viewing and Deleting Images Viewing Images (Playback Mode) Press c. · The last image taken is displayed in full-frame playback mode. · Use the multi selector H, I, J or K to view additional images. Hold down the multi selector H, I, J or K to quickly scan through images.

· Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory. · Press A or the b (movie-record) button to switch to shooting mode. You can also press the shutter-release button. · When C is displayed, images saved in the internal memory are displayed. When a memory card is inserted, C is not displayed and images saved on the memory card are displayed. A (shooting mode) c (playback) Basic Photography and Playback: G Easy Auto Mode The Multi Selector 15/05/2010 15:30 0004.JPG 4/4 Internal memory indicator Deleting Images 1 Press l to delete the image currently displayed in the monitor. 2 Use the multi selector to select Yes and press k. · Deleted pictures cannot be recovered. · To exit without deleting the image, choose No and press k.

Erase 1 image? Yes No 26 Step 4 Viewing and Deleting Images C C C Playback Mode Power ON by Pressing c See "More on Playback" (A 59) and "Editing Image" (A 69) for more information. When the camera is off, hold down c to turn on the camera in playback mode. The lens will not extend. Viewing Image Basic Photography and Playback: G Easy Auto Mode · Pictures taken using face detection (A 24) are automatically rotated when viewing them fullframe. · While the monitor is off during standby mode, it will turn on again when the power switch, shutter-release button, or c button is pressed (A 108). C Deleting the Last Image Taken While in Shooting Mode Erase 1 image? In shooting mode, press l to delete the last images taken. Yes No D Selecting Multiple Pictures for Deletion When Delete (A 67) is selected from the playback menu (A 63), multiple images can be deleted. 27 Easy Auto Mode Automatic Scene Selection

The camera automatically selects one of the following scenes when you point the camera at a subject. · U Auto mode (general use) · e Portrait (A 36) · f Landscape (A 36) · h Night portrait (A 37) · g Night landscape (A 39) · i Close-up (A 39) · j Backlight (A 41) Basic Photography and Playback: G Easy Auto Mode Notes on Face Detection · The camera's ability to detect faces depends on a variety of factors, including whether or not the subject is facing the camera.



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The camera may be unable to detect faces in the following situations: - When faces are partially hidden by sunglasses or other obstructions - When faces take up too much or too little of the frame · When there are multiple people in the frame, the face on which the camera focuses depends on a variety of shooting conditions, such as whether or not the subject is facing the camera.

· In some cases, including those noted in "Autofocus" (A 25), autofocus may not perform as expected, and the subject may not be in focus despite the fact that the double border glows green. When the camera is unable to focus, use another mode, such as A (auto) mode, focus on another subject positioned at the same distance from the camera as the actual portrait subject, and use focus lock (A 48). 28 Using the Flash In dark locations or when the subject is backlit, you can shoot pictures with flash by raising the built-in flash. · The flash has a range of about 0.5 to 5.

5 m (1 ft. 8 in. to 18 ft.) when the camera is zoomed out all the way, and about 1.5 to 3.

5 m (5 ft. to 11 ft.) when the camera is zoomed in all the way. · If the built-in flash is raised when using easy auto mode (A 20), the camera automatically sets a flash mode according to the determined scene mode. When the built-in flash is lowered, the flash setting changes to off and W is displayed at the top of the monitor. Basic Photography and Playback: G Easy Auto Mode Selecting a Flash Mode When using Auto mode (A 48), certain scene modes (A 35), or smart portrait mode (A 44), the following flash modes are available. U V W X Auto 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 taken.

Use to "fill-in" (illuminate) shadows and back-lit subjects. Y Slow sync Auto flash mode is combined with slow shutter speed. Flash illuminates main subject; Slow shutter speeds are used to capture background at night or under dim light. 1 Raise the built-in flash (A 6). · When the built-in flash is lowered, it is fixed to W (off). 29 Using the Flash 2 3 Basic Photography and Playback: G Easy Auto Mode Press m (flash mode) on the multi selector. · The flash menu is displayed. Press the multi selector H or I to select a 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 disappears after a few seconds regardless of the monitor settings (A 101).

· If a setting is not applied by pressing k within a few seconds, the selection is cancelled. Flash mode 14 B B Lowering the Built-in Flash Shooting When Lighting Is Poor and the Flash Is Disabled (W) Push the built-in flash down gently to lower the built-in flash when not in use (A 6). · Use of a tripod is recommended to stabilize the camera during shooting and avoid the effects of camera shake. Set Vibration reduction (A 104) to Off when using a tripod. · The E is displayed when the camera automatically increases sensitivity to minimize blur caused by slow shutter speed.

Images taken when E is displayed may be slightly mottled. B C Note on Using the Flash When using the flash, reflections from dust particles in the air may appear as bright spots in images. To reduce these reflections, set the flash to W (off). The Flash Lamp 30 The flash lamp indicates flash status when the shutter-release button is pressed halfway. · On: Flash will fire when picture is taken.

· Blinks: Flash charging. Wait a few seconds and try again. · Off: Flash will not fire when picture is taken. If the remaining battery level is low, the monitor will turn off until the flash has finished charging. Using the Flash C The Flash Mode Setting The default setting of flash mode depends on the shooting mode. · G (easy auto) mode: U Auto · Scene mode: The default setting depends on the scene menu (A 35). · F (smart portrait) mode: U Auto · d (sport continuous) mode: W Off (locked) · A (auto) mode: U Auto Flash cannot be used simultaneously with certain features. Camera Settings that Cannot Be Set at the Same Time (A 58) When the shooting mode is A (auto) mode (A 48), the changed flash setting is saved even if the camera is turned off. Basic Photography and Playback: G Easy Auto Mode C Red-eye Reduction This camera is equipped with an advanced red-eye reduction system. Pre-flashes are fired several times at low intensity before the main flash to reduce the effects of redeye.

If the camera detects "red-eye" when a picture is taken, Nikon's own In-Camera Red-Eye Fix processes the image before it is saved. Note the following when using red-eye reduction: · Because pre-flashes are fired before the picture is taken, there is a slight lag between when the shutter-release button is pressed and when the picture is shot. · The time required to save images increases slightly. · Red-eye reduction may not always produce the desired results. · In some rare cases, other portions of images may be affected. Use flash modes other than auto 31 Taking Pictures with the Self-timer When using the self-timer, pictures are taken 10 seconds after the shutter-release button is pressed. When using the self-timer, use of a tripod is recommended. Set Vibration reduction (A 104) in the setup menu (A 93) to Off when using a tripod. 1 Basic Photography and Playback: G Easy Auto Mode Press n (self-timer) on the multi selector. The self-timer menu is displayed.

2 Press the multi selector H or I to select ON, and press k. The self-timer icon (n 10) is displayed. If a setting is not applied by pressing k within a few seconds, the selection is cancelled. Self-timer 3 Frame the picture and press the shutter-release button halfway. Focus and exposure are set.

10 1/125 F3.5 4 Press the shutter-release button the rest of the way down. The self-timer starts and the number of seconds remaining until the shutter is released is displayed in the monitor. The self-timer lamp blinks. The lamp stops blinking one second before the picture is taken and remains lit until the shutter is released.

When the shutter is released, the self-timer is set to OFF. To stop the timer before a picture is taken, press the shutter-release button again. 9 32 Adjusting the Brightness: Exposure Compensation Exposure compensation is used to alter exposure from the value suggested by the camera to make images brighter or darker. 1 Press o (exposure compensation) on the multi selector. · The exposure compensation guide is displayed. 2 Press the multi selector H or I to adjust the exposure, and press k. · To make the subject brighter, adjust the exposure compensation to the "+" side.



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· To make the subject darker, adjust the exposure Exposure compensation compensation to the "-" side. · Exposure compensation can be set to values between -2.0 and +2.

0 EV. · If a setting is not applied by pressing k within a few seconds, the selection is cancelled. · When set to any value other than 0.0, the value is displayed with the H icon in the monitor. Basic Photography and Playback: G Easy Auto Mode 3 Press the shutter-release button to shoot. · To turn off exposure compensation, repeat from step 1 and set the value to 0.0, then press k. 14 C D Exposure Compensation Value When shooting mode is A (auto) mode (A 48), the exposure compensation setting is saved even if the camera is turned off. Using Exposure Compensation · The camera tends to reduce 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. 33 More on Shooting Selecting Shooting Mode Select the shooting mode from G easy auto mode, b scene mode, F smart portrait, d sport continuous mode, or A auto mode. 1 Press A in shooting mode. · The shooting-mode selection menu is displayed. 2 More on Shooting Use the multi selector H or I to select a shooting mode and press k.

1 2 Easy auto mode · The camera enters the selected shooting mode. 3 · When scene mode is selected (the second icon from 4 the top), the scene type can be changed before pressing k. Press K, press H, I, J, or K to select 5 the desired scene type, then press k. · To return to the current shooting mode without switching shooting modes, press A or the shutter-release button. 1 G Easy auto mode A 20 By simply framing a picture, the camera automatically selects the optimum scene mode for simpler shooting.

2 3 4 b Scene Camera settings are automatically optimized for the selected scene type. F Smart portrait The camera detects a smiling face to shoot the face automatically. d Sport continuous A 46 Allows rapid, continuous shooting while you press and hold the shutter-release button fully. 5 A Auto mode A 48 You can change the flash mode, use macro mode (for close-ups), etc., and take pictures. You can also select to shoot bursts of pictures continuously. A 44 A 35 34

Shooting Suited for the Scene (Scene Mode) Camera settings are automatically optimized for the selected scene type. The following scene modes are available. b Portrait c Landscape e Night portrait f Party/indoor g Beach/snow h Sunset i Dusk/dawn j Night landscape k Close-up u Food l Museum n Copy o Backlight p Panorama assist Selecting a Scene Mode 1 Press A in shooting mode to display the shooting-mode selection menu and use the multi selector H and I to select scene mode. · The icon of the last scene mode used is displayed.

b (Portrait) is the default setting. More on Shooting Portrait 2 Press K, press the multi selector H, I, J, or K to select a scene, and press k. · The shooting mode screen for the selected scene is displayed. · Features (A 36) Beach/snow 3 Frame the subject and shoot. · For scene modes that use the flash, be sure to raise the built-in flash before shooting. 14 D Image Mode When using scene mode, you can set Image mode (A 51) by pressing d. If the image mode setting is changed, the new image mode setting is also applied to other shooting modes (except sport continuous). 35 Shooting Suited for the Scene (Scene Mode) Features The following icons are used for descriptions in this section: X: flash mode when the built-in flash is raised (A 29); n: self-timer (A 32); p: macro mode (A 49); o: exposure compensation (A 33). b Portrait Use this mode for taking portraits in which the main subject stands out clearly. · If the camera detects a face, it focuses on the face.

See "Face Detection" (A 24) for more information. · If more than one face is detected, the camera focuses on the face closest to the camera. · If no faces are detected, the camera will focus on the center of the screen. · Digital zoom is not available. m V* n Off* p Off o 0.

0* More on Shooting * Other settings can be selected. c Landscape Use this mode for vivid landscapes and cityscapes. · Camera focuses at infinity. The focus area or focus indicator (A 8) always glows green when the shutter-release button is pressed halfway. Note, however, that objects in the foreground may not always be in focus.

· The AF-assist illuminator (A 106) does not light. m W n Off* p Off o 0.0* * Other settings can be selected. 36 Shooting Suited for the Scene (Scene Mode) e Night portrait QO Use this mode to achieve a natural balance between the main subject and background lighting in portraits taken at night. · Shoot pictures with the built-in flash raised. · If the camera detects a face, it focuses on the face. See "Face Detection" (A 24) for more information. · If more than one face is detected, the camera focuses on the face closest to the camera. · If no faces are detected, the camera will focus on the center of the screen. · Digital zoom is not available.

m *1 *2 V*1 n Off*2 p Off o 0.0*2 More on Shooting Flash mode is set to fill flash with slow sync and red-eye reduction, and cannot be changed. Other settings can be selected. f Party/indoor Captures the effects of candlelight and other indoor background lighting. · The camera focuses on the subject in the center of the frame. · As pictures are easily affected by camera shake, hold the camera steadily. In a dark place, the use of a tripod is recommended. Set Vibration reduction (A 104) to Off when using a tripod. m *2 V*1 n Off*2 p Off o 0.0*2 *1 The flash may change to slow sync with 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. Set Vibration reduction (A 104) to Off when using a tripod. Q: Indicates images shot in this scene mode are processed automatically to reduce noise, and therefore may take more time to save.

37 Shooting Suited for the Scene (Scene Mode) g Beach/snow Captures the brightness of such subjects as snowfields, beaches, or sunlit expanses of water. · The camera focuses on the subject in the center of the frame. m h Sunset Preserves the deep hues seen in sunsets and sunrises. · The camera focuses on the subject in the center of the frame.



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