



Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX L22. You'll find the answers to all your questions on the NIKON COOLPIX L22 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 L22
User guide NIKON COOLPIX L22
Operating instructions NIKON COOLPIX L22
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Nikon

DIGITAL CAMERA

COOLPIX L22/L21
User's Manual



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Manual abstract:

· PictBridge is a trademark. @@ 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 batteries 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. @@@@ Observe the following precautions when handling batteries for use in this product: · Before replacing the batteries, turn the product off. If you are using an 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. · If Nikon rechargeable Ni-MH batteries EN-MH2 (EN-MH2-B2 or EN-MH2-B4) are purchased separately, charge and use each of them as a set. Do not combine batteries from different pairs. · The EN-MH2 rechargeable batteries are for use with Nikon digital cameras only, and are compatible with COOLPIX L22/L21. Do not use EN-MH2 rechargeable batteries with incompatible devices. · Insert batteries in the correct orientation. · Do not short or disassemble batteries or attempt to remove or break battery insulation or casing. · Do not expose batteries 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 batteries when no charge remains. · Discontinue use immediately should you notice any change in the batteries, such as discoloration or deformation. · If liquid from damaged batteries 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. . . . iii For Your Safety · 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. Use appropriate cables When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon for the purpose, to maintain compliance with product regulations. Handle moving parts with care Be careful that your fingers or other objects are not pinched by the lens cover or other moving parts.

CD-ROMs The CD-ROMs supplied with this device should not be played back on audio CD equipment. Playing CD-ROMs on an audio CD player could cause hearing loss or damage the equipment. Observe caution when using the flash Using the flash close to your subject's eyes could cause temporary visual impairment. Particular care should be observed if photographing infants, when the flash should be no less than 1 m (3 ft. 4 in.

) from the subject. Do not operate the flash with the flash window touching a person or object Failure to observe this precaution could result in burns or fire. Avoid contact with liquid crystal Should the monitor break, care should be taken to avoid injury caused by broken glass and to prevent liquid crystal from the monitor touching the skin or entering the eyes or mouth. Turn the power off when using inside an airplane or the hospital Turn the power off while inside the airplane during take off or landing. Follow the instructions of the hospital when using while in a hospital.

The electromagnetic waves given out by this camera may disrupt the electronic systems of the airplane or the instruments of the hospital. iv Notices Notice for Customers in the U.S.A. Federal Communications Commission (FCC) Radio Frequency Interference Statement This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. 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. 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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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. This symbol on the battery indicates that the battery is to be collected separately.

The following apply only to users in European countries: · All batteries, whether marked with this symbol or not, are designated for separate collection at an appropriate collection point. Do not dispose of as household waste. · For more information, contact the retailer or the local authorities in charge of waste management. vi Table of Contents For Your Safety..

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· 129 x Introduction About This Manual Thank you for your purchase of a Nikon COOLPIX L22/COOLPIX L21 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 · In this manual, the product names "COOLPIX L22" and "COOLPIX L21" may sometimes be abbreviated as "L22" and "L21". · 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 are for COOLPIX L22. Illustrations and text displays for COOLPIX L21 may also be shown in this manual if necessary. · Illustrations and text displays shown in this manual may differ from actual appearance or display. C Memory Cards Pictures taken with this camera can be stored in the camera's internal memory or on removable memory cards. If a memory card is inserted, all new pictures will be stored on the memory card and delete, playback and format operations will apply only to the pictures on the memory card. The memory card must be removed before the internal memory can be formatted or used to store, 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: [\[europe-nikon.com/support/\]\(http://www.europe-nikon.com/support/\) · 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.](http://www.</p></div><div data-bbox=)

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 normally. Nikon will not be held liable for damages or lost profits that may result from product malfunction. About the Manuals · No part of the manuals included with this product may be reproduced, transmitted, transcribed, stored in a retrieval system, or translated into any language in any form, by any means, without Nikon's prior written permission. · Nikon reserves the right to change the specifications of the hardware and software described in these manuals at any time and without prior notice.

· Nikon will not be held liable for any damages resulting from the use of this product. · While every effort was made to ensure that the information in these manuals is accurate and complete, we would appreciate it were you to bring any errors or omissions to the attention of the Nikon representative in your area (address provided separately).



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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 88). 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 COOLPIX L22 Front View Introduction 12 3 4 Lens cover closed 5 6 10 9 8 7 11 1 Shutter-release button ..

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. 24 Zoom control

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..... 23 f : wide

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..... 23 g : tele

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... 23 h : Thumbnail playback ..

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...48 i : playback zoom

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50 j : help

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.13 Power switch/Power-on lamp 20, 99 Self-timer lamp ..

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.8 d button

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..12, 56, 73, 81, 86 k (apply selection) button

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11 A (shooting mode) button

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..... 10 Flash lamp ...

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..31 c (playback) button

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10, 26 Multi selector

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.... 11 l (delete) button

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..... 24 Zoom control

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23 g : tele

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..... 23 h : Thumbnail playback ..

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.....14 7 Parts of the Camera The Monitor The following indicators may appear in the monitor during shooting and playback (actual display varies with current camera settings). The indicators and photo info displayed during shooting and playback will turn off after a few seconds (A 92).

Introduction Shooting 4 5 26 25 24 23 22 21 +1.0 1/125 F3.1 999 6 7 9 8 10 11 12 13 14 10 1 23 20 17 16 15 999 a 9999 1m00 1m00 s b 00 1m00 1m00 s 00

19 1 2 3 4 5 6 7 8 9 10 11 12 13 14 Shooting mode*1

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..... 32 8 *1 Differs according to the current shooting mode.

Refer to the sections on each mode for details. *2 S and L are displayed on L22, and z is displayed on L21. Parts of the Camera Introduction Playback 1 14 13
2 3 4 15/05/2010 12:00 9999.JPG 11 12 10 999 999 5 6 9 8 7 999 999 a 9999 9999 m00s 1m00 b 00s m00s 1m00 00s 1 Date of recording ..

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.. 16 2 Time of recording

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. 16 3 Volume

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... 57 4 Battery level indicator

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... 20 5 Movie options*

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... 56 6 Image mode* ..

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..... 74 a Current frame number/ 7 total number of frames ...

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..... 26 b Movie length ..

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. 57 8 Internal memory indicator

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. 26 9 Movie playback indicator

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... 57 10 Print-order icon

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..... 70 11 Small picture ...

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..... 53 12 D-Lighting icon ...

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. 52 13 Protect icon

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.106 14 File number and type

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111 * The displayed icons vary with the settings in shooting mode. S and L are displayed on L22, and z is displayed on L21. 9 Basic Operations A (shooting mode) button · When A is pressed in playback mode, the camera enters shooting mode.



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· When A is pressed in shooting mode, the shooting-mode selection menu is displayed, which allows you to change the shooting mode. Introduction 1 2 3 4 5
 Easy auto mode Shooting-mode Selection Menu The multi selector (A 11) can be used to select one of the following shooting modes. 1 G Easy auto mode (A
 2) 2 b Scene (A 35)* 3 F Smart portrait (A 46) 4 D Movie mode (A 55) 5 A Auto mode (A 29) * The displayed icons vary depending on the last mode
 selected. When A is pressed while the shooting-mode selection menu is displayed, the camera returns to shooting mode without changing the current shooting
 mode. 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. 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, and by pressing k. Introduction For Shooting Display m (flash mode) menu (A 30)/select the
 item above. Display n (self-timer) menu (A 32). Display o (exposure compensation) guide (A 34). Apply selection.
 Display p (macro mode) menu (A 33)/select the item below. Flash mode For Playback 15/05/2010 15:30 0004.JPG Display the previous picture. Display the
 next picture. 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 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. Upper tab: Menus available for the current mode are displayed.
 Lower tab: Display the setup menu. Shooting menu Image mode White balance Continuous 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 card Language AF assist Auto Off Exit Exit While an item is selected, press k or the multi selector K to
 display that item's options. Press k or the multi selector K to apply selection. Switching Between Tabs Shooting menu Image mode White balance Continuous
 Color options Shooting menu Image mode White balance Continuous Color options Set up Menus Welcome screen Date Monitor settings Date imprint
 Electronic VR 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 When using the following modes, you can display the tabs by pressing the multi selector J while the menu is displayed.
 · Easy auto mode, scene mode, smart portrait mode and movie 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 option. To return to the original menu, rotate the zoom control to g (j) again.
 COOLPIX L22 COOLPIX L21 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 pictures. 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.
 Attaching the Camera Strap 2 3 1 13 First Steps Inserting the Batteries 1 Open 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. 1 3 2 First Steps 2 Inserting 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 · Two LR6/L40 (AA-size) alkaline batteries (batteries supplied) · Two FR6/L91
 (AA-size) lithium batteries · Two EN-MH2 Ni-MH (nickel metal hydride) rechargeable batteries Turning On and Off the Camera Press the power switch to
 turn COOLPIX L22 COOLPIX L21 on the camera. After the power-on lamp (green) lights for a moment, the monitor turns on. When the camera turns off, both
 the power-on lamp and monitor will 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 Confirm the power-on lamp and the monitor are off and open the battery-chamber/ memory card slot cover.
 Additional Precautions Regarding Batteries First Steps · Read and follow the warnings and cautions (A iii, 113). · Be sure to read and follow the warnings for
 the battery on page iii and the section, "The Battery" (A 113), 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: Batteries with peeling Batteries with insulation that does not cover the area around the
 negative terminal. Batteries with a flat negative terminal B Notes for EN-MH1 Rechargeable Batteries, MH-70/71 Battery Charger This camera can also use
 EN-MH1 Ni-MH rechargeable batteries. Be sure to read and follow the warnings for the battery found in the section, "The Battery" (A 113), before using the
 battery. B Battery Type By setting Battery type (A 105) in the setup menu (A 85) to match the type of batteries inserted in the camera, the batteries can
 perform more efficiently. 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 (A 105).



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C C Alkaline Batteries Performance of alkaline batteries may vary greatly depending on the manufacturer.

Choose a reliable brand. Alternative Power Sources To power the camera continuously for extended periods, use an AC Adapter EH-65A (available separately) (A 110). 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. C Auto Power Off in Shooting Mode (Standby Mode) If no operations are performed for about 30 seconds (default setting), the monitor will turn off automatically and the camera will enter standby mode.

After a further three minutes, the Auto off function will turn the camera off automatically. · While the monitor is off during standby mode (the power-on lamp flashes), it will turn on again when the power switch, shutter-release button, A button, or c button is pressed. · The time allowed to elapse before the camera enters standby mode can be changed from the Auto off option (A 99) in the setup menu (A 85). 15 Setting Display Language, Date and Time A language-selection dialog is displayed the first time the camera is turned on. 1 First Steps Press the power switch to turn on the camera.

The power-on lamp (green) will light for a moment and the monitor will turn on. COOLPIX L22 COOLPIX L21 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 will not be set. Date Set time and date? Yes No Cancel 4 Press J or K to select your home time zone (city name) (A 91) 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 on 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 Press A to exit the screen. · The shooting-mode selection menu will be displayed. Press this button in shooting mode for shootingmode selection menu. 8 When Easy auto mode is displayed, press k. · The camera enters the 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. See "Shooting in the Auto Mode" (A 29), "Using the Scene Mode" (A 35), "Using Smart Portrait Mode" (A 46) or "Recording Movies" (A 55) for more information. Easy auto mode D Changing the Date and Time, Date Imprint · To change the date and time, select Date from Date (A 89) in the setup menu (A 85) 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 89, 90). · To imprint the shooting date into images when taking pictures, make sure the date and time are set, then set Date imprint (A 94) in the setup menu.

17 Inserting Memory Cards Images are saved in the camera's internal memory (approximately 19 MB) or on removable Secure Digital (SD) memory cards (available separately) (A 110). 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 I 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. 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 removing memory cards, turn the camera off and confirm that the power-on lamp and the monitor are off. Open the battery-chamber/memory card slot cover and press the card in (1) 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 shown on the right is displayed, the memory card Format card? must be formatted before use. 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 Yes No the memory card. To format, use the multi selector to select 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 camera, be sure to format them using this camera (A 100). B The Write Protect Switch Write protect switch SD memory cards are equipped with a write protect switch. 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: - 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.



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· 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: 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 Press the power switch to turn on the camera. The power-on lamp (green) will light COOLPIX L22 for a moment and the monitor will turn on. The lens will extend at this time. COOLPIX L21 Basic Photography and Playback: Easy Auto Mode Easy auto mode is set at the time of purchase. Proceed to step 4. 2 Press A to display the shooting-mode 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 4 Number of exposures remaining Number of Exposures Remaining The number of pictures that can be stored depends on the capacity of the internal memory or memory card and image mode setting (A 75). 20 Step 1 Turn the Camera On and Select G (Easy Auto) Mode Indicators Displayed in G (Easy auto) Mode Shooting mode When using easy auto mode, U, e, f, g, h, i, or j is displayed to indicate the shooting mode selected by the camera for the current subject and framing. Motion detection indicator Reduce the blurring caused by subject or camera shake. Basic Photography and Playback: Easy Auto Mode 4 Internal memory indicator Pictures will be recorded to internal memory (approximately 19 MB).

When memory card is inserted, C is not displayed and pictures will be recorded to memory card. Image mode Display image size and quality set in the image mode menu. The default settings are as follows: L22: L 4000×3000 L21: y 3264×2448 The indicators and photo info displayed during shooting and playback will turn off after a few seconds (A 92). When the monitor has turned off in standby mode to save power, press the power switch, the shutter-release button, or A to reactivate it (A 99). C Available functions 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 flash setting can be set to W (off) (A 30). · The self-timer (A 32) and exposure compensation (A 34) are available. · The macro mode button on the multi selector (A 11, 33) is disabled. Changes to macro mode when the camera selects close-up scene mode. · Image mode (A 74) can be changed by pressing d. D D Motion Detection Electronic Vibration Reduction See Motion detection (A 96) in the setup menu (A 85) for more information. When the flash mode (A 30) is set to W (off) or Y (slow sync) while Electronic VR (A 95) in the setup menu is set to Auto, the R icon may be displayed in the monitor. R indicates shooting conditions in which the effects of camera shake can be pronounced. In these situations, the camera reduces the effects of camera shake in pictures before saving them. 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, selftimer lamp and microphone. When taking pictures in "tall" orientation, turn the camera so that the built-in flash is above the lens. Basic Photography and Playback: Easy Auto Mode 2 Frame the picture. Shooting mode icon · When the camera determines the scene mode, the shooting mode icon will change (A 28). · When the camera detects a human face, that face will be framed by a yellow double border.

· Up to 12 faces can be recognized. If more than one face is recognized, the face closest to the camera will be framed in the focus area by a double border, and the other faces will be framed by a single border. · When shooting non-human subjects or when no faces are detected, focus will be in the center of the monitor. Position the main subject near the center of the monitor. B 22 Easy auto mode · The desired scene mode may not be selected in certain conditions. 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 COOLPIX L22 COOLPIX L21 activate optical zoom. f Zoom out g Zoom in f Zoom out g Zoom in Rotate the zoom control to g to zoom in on the subject. Rotate the zoom control to f to zoom out.

The zoom indicator is displayed at the top of the monitor when the zoom control is rotated. Optical zoom Digital zoom Basic Photography and Playback: Easy Auto Mode Digital Zoom When the camera is zoomed in to the maximum optical zoom position, rotating and holding the zoom control at g triggers digital zoom. Digital zoom can magnify the subject up to about 4× beyond the magnification of the optical zoom. The focus area is not displayed when digital zoom is in effect, and focus will be in the center of the screen. Maximum magnification of optical zoom.

Digital zoom is in effect. C Digital Zoom and Interpolation Unlike optical zoom, digital zoom uses a digital imaging process known as interpolation to magnify images, resulting in slight deterioration of picture quality. Interpolation is applied 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 for confirmation of the zoom positions at which shooting without interpolation is possible at 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 will glow green. When a face is detected: When no faces are detected: Basic Photography and Playback: Easy Auto Mode 1/125 F3.1 1 / 1 2 5 F3.1 Shutter Aperture Speed Focus indicator · When using the digital zoom, the camera focuses on the center of the frame, but the focus area is not displayed. When the subject is in focus, the focus indicator (A 8) will glow green. 1/125 F6.7 · 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.



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· When the camera is unable to focus, the focus area, or focus indicator, blinks red. Change the composition and try pressing the shutter-release button halfway again. 2 Press the shutter-release button the rest of the way down. · The picture will be recorded to the memory card or internal memory. 24 Step 3 Focus and Shoot B During Recording While pictures are being recorded, the number of exposures remaining display will blink. Do not open the battery-chamber/memory card slot cover. Removing the battery or the memory card while data is being saved may result in loss of data or in damage to the saved data, camera or card. B Autofocus performance 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 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 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 29) 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: Easy Auto Mode C C D Notes about Face Detection The Did someone blink? Screen See "Notes about Face Detection" (A 28) for more information. When d Blink warning is set to On, the Did someone blink? screen (A 102) 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 97) may light when the shutter-release button is pressed halfway, and the flash (A 30) may fire when the shutter-release button is pressed all the way down.

25 Step 4 Viewing and Deleting Pictures Viewing Pictures (Playback Mode) Press c (playback). The last picture taken will be displayed in full-frame playback mode. Use the multi selector H, I, J or K to view additional pictures. Hold down the multi selector H, I, J, or K to scan quickly through pictures. Pictures may be displayed briefly at low resolution while being read from the memory card or internal memory. Press A 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. 15/05/2010 15:30 0004.JPG A (shooting mode) button c (playback) Basic Photography and Playback: Easy Auto Mode Multi selector 4 4 Internal memory indicator Deleting Pictures I Press l to delete the picture 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 picture, choose No and press k. Erase 1 image? Yes No 26 Step 4 Viewing and Deleting Pictures C Playback Mode Option Use g (i) Description The picture can be enlarged up to about 10x. Press k to return to full-frame playback. Rotate the zoom control to f to display 4, 9 or 16 picture thumbnails. While viewing 16 picture thumbnails, rotate the zoom control to f (h) to switch to calendar display. Press A. A 50 The following options are available in full-frame playback mode. Playback zoom View thumbnails f (h) 48, 49 Basic Photography and Playback: Easy Auto Mode Switch to shooting mode A 10 C C Power ON by Pressing c When the camera is off, hold down c to turn on the camera in playback mode.

The lens will not extend. Viewing Pictures · Pictures stored in the internal memory can only be viewed if no memory card is inserted. · Pictures taken using face detection (A 24) will be automatically rotated when viewing them fullframe. · When the monitor has turned off in standby mode to save power, press the power switch, the shutter-release button, or c to reactivate it (A 99). C Deleting the Last Picture Taken While in Shooting Mode Erase 1 image? In shooting mode, press l to delete the last picture taken.

Yes No D Selecting Multiple Pictures for Deletion When Delete (A 84) is selected from the playback menu (A 81), multiple pictures 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 40) · j Backlight (A 41) Basic Photography and Playback: Easy Auto Mode Notes about Face Detection · Depending on shooting conditions, such as whether or not the subject is facing the camera, faces may not be detected. 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, included those noted in "Autofocus performance" (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 29). 28 Auto Mode Shooting in the Auto Mode In A (auto) mode, macro mode (A 33) and exposure compensation (A 34) can be applied and pictures can be taken using the flash mode (A 30) and self-timer (A 32). Pressing the d button in A (auto) mode allows you to set the items in the shooting menu (A 72) according to shooting conditions. 1 Press A to display the shooting-mode selection menu. · The shooting-mode selection menu will be displayed. 2 Press the multi selector H or I to choose A and press k. · The camera enters A (auto) mode. · Set the flash (A 30), self-timer (A 32), macro mode (A 33) and exposure compensation (A 34) according to shooting conditions. · By pressing d, you can also set the items in the shooting menu (A 72) according to shooting conditions. Auto Mode Auto mode 3 Frame the subject and shoot.

Camera focuses on subject in center of frame.



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4 D Focus Lock When the camera focuses on an object in the center of the frame, you can use focus lock to focus on an off-center subject. · 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. **4 1/125 F3.1 1/125 F3.1** Position the subject Press the Confirm that the in the center of the shutter focus area is frame. release green. button halfway. Continue holding down the shutter-release button halfway and recompose the picture.

Press the shutter-release button the rest of the way down. **29 Using the Flash** The flash mode allows you to specify the settings according to shooting conditions. · For L22, the flash has a range of approx. 0.5-7.

0 m (1 ft. 8 in.-23 ft.) when the camera is zoomed out all the way, and 0.5-3.

0 m (1 ft. 8 in.-9 ft. 10 in.) when the maximum optical zoom is applied. For L21, the flash has a range of approx. 0.55-5 m (1 ft. 8 in.

-18 ft.) when the camera is zoomed out all the way, and 0.5-2.5 m (1 ft. 8 in.-8 ft.) when the maximum optical zoom is applied. · Note that when using easy auto mode (A 20), only U Auto (default setting) and W Off are available. When U Auto is applied, the camera automatically selects the optimum flash mode setting for the scene mode it has selected. · The following flash modes are available when shooting in auto mode (A 29) and certain scene modes (A 35).

U Auto Mode V W X Y 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.

Slow sync Auto flash mode is combined with slow shutter speed. Suitable for taking portraits with the night landscape as the background. Flash illuminates main subject; slow shutter speeds are used to capture background at night or under dim light. **Setting the Flash Mode 1 2** 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. D will disappear after a few seconds regardless of the Photo info option (A 92). If a setting is not applied by pressing k within a few seconds, the selection will be cancelled. **Flash mode 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. · The E is displayed when the camera automatically increases sensitivity to minimize blur caused by slow shutter speed. Pictures 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 pictures. To reduce these reflections, set the flash to W (Off). **The Flash Lamp Auto Mode** 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. **C The Flash Mode Setting** The default setting of the flash mode depends on the shooting mode. · G (easy auto): U Auto · Scene: varies with the selected scene mode (A 35-42). · F (smart portrait): U Auto · A (auto): U Auto Flash cannot be used simultaneously with certain features. "Camera Settings that Cannot Be Set at the Same Time" (A 80) When the shooting mode is A (auto) mode, the changed flash setting will be stored even if the camera is turned off. **C Red-eye Reduction** This camera uses advanced red-eye reduction ("In-Camera Red-Eye Fix").

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 taking pictures: · 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 pictures may be affected. Use flash modes other than auto with red-eye reduction in above cases.

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. **1** Press n (self-timer) on the multi selector. The self-timer menu is displayed. **2 Auto Mode** 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 will be cancelled. **Self-timer 3** Frame the picture and press the shutter-release button halfway. Focus and exposure will be set. **10 1/125 F3.1 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 will blink. 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 will be set to OFF.

9 1/125 F3.1 To stop the timer before a picture is taken, press the shutter-release button again. **COOLPIX L22 COOLPIX L21 32 Macro Mode** Macro mode is used for taking pictures of objects as close as 5 cm (2 in.). Note that the flash may be unable to light entire subject at distances of less than 50 cm (1 ft. 8 in.). When using G (easy auto) mode (A 20), the macro mode button cannot be used to activate macro mode. **1** Press p (macro mode) on the multi selector. · The macro menu is displayed.

2 Press the multi selector H or I to select ON and press k. The macro mode icon (F) is displayed. If a setting is not applied by pressing k within a few seconds, the selection will be cancelled. **Macro mode Auto Mode 3** Rotate the zoom control to move to the wide zoom position. · Macro mode can be used to take a picture at the current zoom position when F or the zoom indicator glows green.

· The camera can focus on objects as close as about 5 cm (2 in.) at the widest zoom position, and as close as about 7 cm (2.8 in.) at the position where G is displayed. **C C Autofocus** When using macro mode, the camera focuses continuously until the shutter-release button is pressed halfway to lock the focus. A sound will be heard while the camera focuses. **The Macro Mode Setting** When the shooting mode is A (auto) mode, the macro mode setting will be stored even if 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.



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1 Press o (exposure compensation) on the multi selector. · The exposure compensation guide is displayed. 2 Auto Mode Press the multi selector H or I to select the desired setting and press k. · To make the subject brighter, adjust the exposure compensation to the "+" side. · To make the subject darker, adjust the exposure compensation to the "-" side. Exposure compensation · 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 will be cancelled. · When set to any value other than 0.0, H and the value are displayed. 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. 4 C D Exposure Compensation Value When the shooting mode is A (auto) mode (A 29), the exposure compensation setting will be stored even if the camera is turned off. Using Exposure Compensation 34 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. Shooting Suited for the Scene Using the Scene Mode Camera settings are automatically optimized for the selected subject type. The following scene modes are available. 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 u Food l Museum m Fireworks show n Copy o Backlight p Panorama assist Setting the 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. Shooting Suited for the Scene Portrait 2 Press K, press H, I, J, or K to select a scene mode, then press k. · The shooting mode screen for the selected scene is displayed. · "Features" A 36 Beach/snow 3 Frame the subject and shoot. 4 D Image Mode When using scene mode, you can set the Image mode setting (A 74) by pressing d.

35 Using the Scene Mode Features The following icons are used for descriptions in this section: X = flash mode (A 30), n = self-timer (A 32), p = macro mode (A 33), o = exposure compensation (A 34). 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 recognized, the camera focuses on the face closest to the camera. · If no faces are detected, focus will be on the center of the frame. · Digital zoom is not available. m Shooting Suited for the Scene V* n Off* p Off o 0.0* * 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 97) does not light. m W n Off* p Off o 0.0* * Other settings can be selected. 36 Using 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. @@The camera focuses continuously until the shutter-release button is pressed halfway to lock the focus. · While the shutter-release button is held down, the L22 shoots up to 5 frames at 0.9 frames per second (fps), and the L21 shoots up to 5 frames at 1 fps (when image mode is set to I 4000×3000 for L22 and R 3264×2448 for L21).

· The maximum frame rate with continuous shooting may vary depending upon the current image mode setting and the memory card used. · Focus, exposure compensation, and white balance are fixed at the values determined with the first shot in each series. · The AF-assist illuminator (A 97) does not light. m W n Off p Off o 0.0* Shooting Suited for the Scene * Other settings can be selected.

e Night portrait O Use this mode to achieve a natural balance between the main subject and background lighting in portraits taken at night. Flash is used to illuminate the subject while maintaining the mood of the background. · If the camera detects a person's face, the camera will focus on that person (face detection: A 24). · If more than one face is recognized, the camera focuses on the face closest to the camera. · If no faces are recognized, focus will be on the center of the screen.

· Digital zoom is not available. m *2 V*1 n Off*2 p Off o 0.0*2 *1 Flash mode is set to fill flash with slow sync and red-eye reduction, and cannot be changed. Other settings can be selected. O: For those scene modes with O, use of a tripod is recommended. 37 Using the Scene Mode 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, hold the camera steadily. In a dark place, the use of a tripod is recommended. m *1 *2 V*1 n Off*2 p Off o 0.

0*2 The flash may change to slow sync with red-eye reduction. Other settings can be selected. Other settings can be selected. 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. Shooting Suited for the Scene m h Sunset U* n Off* p Off* o 0.0* * Other settings can be selected. O Preserves the deep hues seen in sunsets and sunrises. · Camera focuses on subject in center of frame. m W* n Off* p Off o 0.

0* * Other settings can be selected. 38 O: For those scene modes with O, use of a tripod is recommended. Using the Scene Mode i Dusk/dawn O Preserves the colors seen in the weak natural light before sunrise or after sunset. · 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 97) does not light. m W n Off* p Off o 0.0* * Other settings can be selected.



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