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You can read the recommendations in the user guide, the technical guide or the installation guide for NIKON COOLPIX S9600. You'll find the answers to all your questions on the NIKON COOLPIX S9600 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 S9600
User guide NIKON COOLPIX S9600
Operating instructions NIKON COOLPIX S9600
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Nikon

DIGITAL CAMERA

COOLPIX S9600
Reference Manual



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Manual abstract:

These icons indicate other pages containing relevant information; E: "Reference Section"; F: "Technical Notes and Index." •SD and SDHC/SDXC memory cards are referred to as "memory cards" in this manual. •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 on a computer monitor appear in bold. •In this manual, images are sometimes omitted from monitor display samples so that monitor indicators can be more clearly shown. @@@@THE USE OF NON-NIKON ELECTRONIC ACCESSORIES COULD DAMAGE THE CAMERA AND MAY VOID YOUR NIKON WARRANTY. The use of third-party rechargeable Li-ion batteries not bearing the Nikon holographic seal could interfere with normal operation of the camera or result in the batteries overheating, igniting, rupturing, or leaking. For more information about Nikon brand accessories, contact a local authorized Nikon dealer. Holographic seal: Identifies this device as an authentic Nikon product. Before Taking Important Pictures Before taking pictures on important occasions (such as at weddings or before taking the camera on a trip), take a test shot to ensure that the camera is functioning normally.

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Care should be taken to avoid injury or damage to property when physically destroying data storage devices. You can clear the Wi-Fi settings using Restore default settings in the Wi-Fi options menu (E78). Introduction vi 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. Introduction WARNINGS Turn off in the event of malfunction Should you notice smoke or an unusual smell coming from the camera or charging AC adapter, unplug the charging AC adapter and remove the battery immediately, taking care to avoid burns. Continued operation could result in injury. After removing or disconnecting the power source, take the equipment to a Nikon-authorized service representative for inspection. Do not disassemble Touching the internal parts of the camera or charging AC adapter could result in injury. Repairs should be performed only by qualified technicians.

Should the camera or charging AC adapter break open as the result of a fall or other accident, take the product to a Nikon-authorized service representative for inspection, after unplugging the product and/or removing the battery. Do not use the camera or charging AC adapter in the presence of flammable gas Do not use electronic equipment in the presence of flammable gas, as this could result in explosion or fire. Handle the camera strap with care Never place the strap around the neck of an infant or child. Keep out of reach of children Particular care should be taken to prevent infants from putting the battery or other small parts into their mouths. Do not remain in contact with the camera, charging AC adapter, or AC adapter for extended periods while the devices are on or in use Parts of the devices become hot.

Leaving the devices in direct contact with the skin for extended periods may result in low-temperature burns. vii Do not leave the product where it will be exposed to extremely high temperatures, such as in an enclosed automobile or in direct sunlight Failure to observe this precaution could cause damage or fire.



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Use the appropriate power supply (battery, charging AC adapter, AC adapter, USB cable) Using a power supply other than those provided or sold by Nikon could result in damage or malfunction. Observe caution when handling the battery The battery may leak, overheat, or explode if improperly handled. Observe the following precautions when handling the battery for use in this product: • Before replacing the battery, turn the product off.

If you are using the charging AC adapter/AC adapter, be sure it is unplugged. • Use only a Rechargeable Li-ion Battery EN-EL12 (included). Charge the battery by using a camera that supports battery charging. To perform this operation, use the Charging AC Adapter EH-71P (included) and USB Cable UC-E21 (included). The Battery Charger MH-65 (available separately) is also available to charge the battery without using a camera. • When inserting the battery, do not attempt to insert it upside down or backwards. • Do not short or disassemble the battery or attempt to remove or •••••break the battery insulation or casing. Do not expose the battery to flame or to excessive heat. Do not immerse in or expose to water. Put the battery in a plastic bag, etc.

to insulate the terminal before transporting it. Do not transport or store with metal objects such as necklaces or hairpins. The battery is prone to leakage when fully discharged. To avoid damage to the product, be sure to remove the battery when no charge remains. Discontinue use immediately should you notice any change in the battery, such as discoloration or deformation. If liquid from the damaged battery comes in contact with clothing or skin, rinse immediately with plenty of water. Introduction Observe the following precautions when handling the charging AC adapter • Keep dry. Failure to observe this precaution could result in fire or electric shock. •Dust on or near the metal parts of the plug should be removed with a dry cloth. Continued use could result in fire.

• Do not handle the plug or go near the charging AC adapter during lightning storms. Failure to observe this precaution could result in electric shock. viii • Do not damage, modify, forcibly tug or bend the USB cable, place it under heavy objects, or expose it to heat or flames. Should the insulation be damaged and the wires become exposed, take it to a Nikon-authorized service representative for inspection. Failure to observe these precautions could result in fire or electric shock.

• Do not handle the plug or charging AC adapter with wet hands. Failure to observe this precaution could result in electric shock. • Do not use with travel converters or adapters designed to convert from one voltage to another or with DC-to-AC inverters. Failure to observe this precaution could damage the product or cause overheating or fire. Use appropriate cables When connecting cables to the input and output jacks, use only the cables provided or sold by Nikon forly 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. • Separate collection and recycling helps conserve natural resources and prevent negative consequences for human health and the environment that might result from incorrect disposal. • 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. xi Wi-Fi (Wireless LAN Network) This product is controlled by the United States Export Administration Regulations, and you are required to obtain permission from the United States government if you export or re-export this product to any country to which the United States embargoes goods. The following countries were subject to embargo: Cuba, Iran, North Korea, Sudan, and Syria. Siiv Table of Contents Introduction .

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12, 83, 86 * Also referred to as the "multi selector" in this manual. 2 Attaching the Camera Strap 3 Parts of the Camera Using Menus (the d Button) Use the multi selector and k button to navigate the menus. 1 Parts of the Camera Press the d button. • The menu is displayed. 25m 0s 880 2 Press the multi selector J.

• The current menu icon is displayed in yellow. Shooting menu Image mode White balance Metering Continuous ISO sensitivity AF area mode Autofocus mode Menu icons 3 Select the desired menu icon. • The menu is changed. • The menu icons can also be selected by rotating the multi selector. Set up Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist 4 Press the k button.

• The menu options become selectable. Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist 4 5 Select a menu option. • The menu options can also be selected by rotating the multi selector. Welcome screen Time zone and date Monitor settings Print date Photo VR Motion detection AF assist 6 Press the k button. • The settings for the option you selected are displayed. Parts of the Camera Photo VR On (hybrid) On Off 7 Select a setting. • The settings can also be selected by rotating the multi selector. Photo VR On (hybrid) On Off 8 Press the k button. • The setting you selected is applied. • When you are finished using the menu, press the d button.

C Notes About Setting Menu Options • Certain menu options cannot be set depending on the current shooting mode or the state of the camera. Unavailable options are displayed in gray and cannot be selected. • When a menu is displayed, you can switch to shooting mode by pressing the shutter-release button or b (e movie-record) button. 5 The Monitor The information that is displayed in the monitor during shooting and playback changes depending on the camera's settings and state of use. By default, information is displayed when the camera is first turned on and when you operate the camera, and turns off after a few seconds (when Photo info is set to Auto info in Monitor settings (A78)).

Shooting Mode 42 41 40 39 HDR 38 37 2 3 1 33 32 31 30 29 35 34 13 11 12 14 999 15 9999 10 Parts of the Camera 6 7 8 9 10 5 AF 36 4 28 27 26 25 a b 24 400 1/250 F3.4 +1.0 29m 0s 999 23 17 16 18 22 21 20 19 6 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 Shooting mode...

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.....39 7 Parts of the Camera Playback Mode 1 2 3 4 5 6 7 8 9 10 11 12 13 999 / 999 14 999 / 999 9999 / 9999 29m00s 29m00s a b Parts of the Camera 15 16 27 26 25 a b 17 9999. JPG 15/05/2014 15:30 24 22 23 21 1918 20 8 1 2 3 4 5 6 7 8 9 Album icon in favorite pictures mode.

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....20 14 (a) Current image number/ total number of images (b) Movie length 9 The Basics of Shooting and Playback Preparation 1 Insert the Battery 1 The Basics of Shooting and Playback Open the battery-chamber/ memory card slot cover.

2 Insert the battery. • Push the orange battery latch in the direction indicated by the arrow (1), and fully insert the battery (2). • The battery locks into place when inserted correctly. Battery latch B Be Careful to Insert the Battery in Correct Direction Inserting the battery upside down or backwards could damage the camera. 3 Close the battery-chamber/ memory card slot cover.

10 Removing the Battery Turn the camera off and make sure that the power-on lamp and the monitor have turned off, and then open the battery-chamber/ memory card slot cover. Move the battery latch in the direction indicated by the arrow (1) to eject the battery (2). B High Temperature Caution The Basics of

Shooting and Playback The camera, battery, and memory card may be hot immediately after using the camera. 11 Preparation 2 Charge the Battery 1 Prepare the included charging AC adapter. If a plug adapter* is included with your camera, attach the plug adapter to the plug on the charging AC adapter. Push the plug adapter firmly until it is securely held in place. Once the two are connected, attempting to forcibly remove the plug adapter could damage the product. * The shape of the plug adapter varies according to the country or region in which the camera was purchased. This step can be omitted if the plug adapter comes permanently bonded to the charging AC adapter. The Basics of Shooting and Playback 2 Make sure the battery is installed in the camera, and then connect the camera to the charging AC adapter in order of 1 to 3.

• Keep the camera turned off. • Make sure that the plugs are properly oriented. Do not insert or remove the plugs at an angle when connecting or disconnecting them. B Notes Do not use a USB cable other than the UC-E21. Using a USB cable other than the UC-E21 could result in overheating, fire or electric shock. Electrical outlet Charge lamp USB cable (included) • The charge lamp slowly flashes green to indicate that the battery is charging. 12 Charge lamp Flashes slowly (green) Off The battery is charging. Description When charging is complete, the charge lamp stops flashing green and turns off. About 2 hours and 20 minutes are required to charge a fully exhausted battery. • The ambient temperature is not suited to charging.

Charge the battery indoors with an ambient temperature of 5°C to 35°C (41°F to 95°F). • The USB cable or charging AC adapter is not properly connected, or there is a problem with the battery. Disconnect the USB cable or unplug the charging AC adapter and correctly connect it again, or change the battery. Flashes quickly (green) The Basics of Shooting and Playback 3 B Disconnect the charging AC adapter from the electrical outlet and then disconnect the USB cable. Notes About Charging Do not, under any circumstances, use another make or model of AC adapter other than Charging AC Adapter EH-71P, and do not use a commercially available USB-AC adapter or a battery charger for a mobile phone.

Failure to observe this precaution could result in overheating or in damage to the camera. C Charging Using a Computer or Battery Charger • You can also charge the battery by connecting the camera to a computer (A83, E74). • You can use the Battery Charger MH-65 (available separately; E85) to charge the battery without using the camera. 13 Preparation 3 Insert a Memory Card 1 Turn off the camera and open the battery-chamber/memory card slot cover. 2 The Basics of Shooting and Playback Insert the memory card.

• Slide the memory card in until it clicks into place. Memory card slot B Be Careful to Insert the Memory Card in Correct Direction Inserting the memory card upside down or backwards could damage the camera and the memory card. 3 Close the battery-chamber/ memory card slot cover. B Formatting Memory Cards The first time you insert a memory card that has been used in another device into this camera, make sure to format it with this camera. Insert the card into the camera, press the d button, and select Format card in the setup menu. 14 Removing Memory Cards Turn the camera off and make sure that the power-on lamp and the monitor have turned off, and then open the battery-chamber/memory card slot cover. Gently push the memory card into the camera (1) to partially eject the card (2). B High Temperature Caution The Basics of Shooting and Playback The camera, battery, and memory card may be hot immediately after using the camera. Internal Memory and Memory Cards Camera data, including images and movies, can be saved either in the camera's internal memory or on a memory card. To use the camera's internal memory, first remove the memory card.

15 Preparation 4 Setting the Display Language, Date, and Time When the camera is turned on for the first time, the language-selection screen and the date and time setting screen for the camera clock are displayed. • If you exit without setting the date and time, O will flash when the shooting screen is displayed. 1 The Basics of Shooting and Playback Press the power switch to turn on the camera. 2 Use the multi selector HI to select the desired language and press the k button. Language Български Čeština Dansk Deutsch English Español Cancel 3 Select Yes and press the k button. Choose time zone and set date and time? Yes No Cancel 16 4 Select your home time zone and press the k button. • To enable daylight saving time, press H. When the daylight saving time function is enabled, W is displayed above the map.



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To turn off the daylight saving time function, press I. London, Casablanca Back 5 Select the date format and press the k button.

Date format The Basics of Shooting and Playback Year/Month/Day Month/Day/Year Day/Month/Year 6 Set the date and time, and press the k button. • Select a field: Press JK (changes between D, M, Y, h, and m). • Edit the date and time: Press HI. Date and time can also be changed by rotating the multi selector. • Confirm the setting: Select the m field and press the k button.

Date and time D M Y h m 15 05 2014 15 30 Edit 7 Select Yes and press the k button. • When settings are finished, the lens extends and the camera switches to shooting mode. 15/05/2014 15:30 OK? Yes No 17 C Changing the Language Setting and the Date and Time Setting • You can change these settings using the Language and Time zone and date settings in the z setup menu (A78). • You can enable or disable daylight saving time in the z setup menu by selecting Time zone and date followed by Time zone. Enabling daylight saving time moves the clock forward one hour, and disabling it moves the clock back one hour.

C The Clock Battery • The camera's clock is powered by a built-in backup battery. The backup battery charges when the main battery is inserted into the camera or when the camera is connected to an optional AC adapter, and it can run the clock for several days after about 10 hours of charging. • If the camera's backup battery becomes exhausted, the date and time setting screen is displayed when the camera is turned on. Set the date and time again. See step 3 (A16) of "Preparation 4 Setting the Display Language, Date, and Time" for more information. The Basics of Shooting and Playback C Imprinting the Shooting Date on Printed Images • You can permanently imprint the shooting date on images as they are captured by setting Print date in the setup menu (A78). • If you want the shooting date to be printed without using the Print date setting, print using the ViewNX 2 software (A85). 18 19 Step 1 Turn the Camera On 1 Press the power switch. • The monitor turns on. • To turn the camera off, press the power switch again.

2 The Basics of Shooting and Playback Check the battery level indicator and the number of exposures remaining. Battery level indicator 25m 0s 880 Number of exposures remaining Battery level indicator Display b B N Battery exhausted. Description The battery level is high. The battery level is low. The camera cannot capture images. Recharge the battery. Number of Exposures Remaining The number of images that can be taken is displayed. • C is displayed when no memory card is inserted in the camera, and images are saved in the internal memory. 20 C The Auto Off Function Flashes No operations performed No operations performed 25m 0s 880 3 min Camera enters standby mode. Camera turns off.

• The time that elapses before the camera enters standby mode is about 1 minute. The time can be changed using the Auto off setting in the setup menu (A78). • While the camera is in standby mode, the monitor turns back on if you perform any of the following operations: - Press the power switch, shutter-release button, c button, or b (e movierecord) button. - Rotate the mode dial. • While the charging AC adapter is connected to the camera, the monitor turns back on if you press the power switch.

The camera turns off if you operate the shutterrelease button, mode dial, c button, or b (e movie-record) button. 21 The Basics of Shooting and Playback Step 2 Select a Shooting Mode Rotate the mode dial to select a shooting mode. • A (auto) mode is used in this example. Rotate the mode dial to A. The Basics of Shooting and Playback 22 Available Shooting Modes A Auto mode Used for general shooting.

Settings can be adjusted to suit the shooting conditions and the type of shot you want to capture. x, y, X, S, W Scene mode A33 A31 Camera settings are optimized according to the scene that you select. x (scene auto selector): The camera automatically selects the optimum scene mode when you frame an image, making it even easier to take images using settings that suit the scene. y (scene): Press the d button to select a scene. X (night landscape): Captures the atmosphere of night landscapes. S (night portrait): Best suited to capture images of people with a night view in the background. W (backlighting): Fill flash fires to prevent the backlit subject from being hidden in shadow, or the HDR function can be used to shoot scenes with high contrast. F Smart portrait The camera detects smiling faces and releases the shutter automatically. u Special effects Effects can be applied to images during shooting. A42 A40 23 The Basics of Shooting and Playback Step 3 Frame a Picture 1 Hold the camera steady.

• Keep fingers and other objects away from the lens, flash, AF-assist illuminator, microphones, and speaker. • When taking pictures in portrait ("tall") orientation, turn the camera so that the flash is above the lens. The Basics of Shooting and Playback 2 Frame the picture. 25m 0s 880 C When Using a Tripod • We recommend using a tripod to stabilize the camera in the following situations. - When shooting in dim lighting - When shooting with the flash mode (A47) set to W (off) - When using the telephoto setting • When using a tripod to stabilize the camera during shooting, set Photo VR to Off in the setup menu (A78) to prevent potential errors caused by this function. 24 Using the Zoom When you move the zoom control, the zoom Zoom out Zoom in lens position changes. • To zoom in closer to the subject: Move toward g (telephoto) • To zoom out and view a larger area: Move toward f (wide-angle) When you turn the camera on, the zoom moves to the maximum wide-angle position. • A zoom indicator is displayed at the top of the shooting screen when the zoom control is moved. Optical Digital • Digital zoom, which allows you to further zoom zoom magnify the subject up to approximately 4× the maximum optical zoom ratio, can be activated by moving and holding the zoom control toward g when the camera is zoomed in to the maximum optical zoom position. The Basics of Shooting and Playback C Notes About Digital Zoom The zoom indicator turns blue when the digital zoom is activated, and it turns yellow when the zoom magnification is increased further.

• Zoom indicator is blue: Image quality is not noticeably reduced by using the Dynamic Fine Zoom. • Zoom indicator is yellow: Image quality is noticeably reduced. • The indicator remains blue across a wider area when the image size is smaller. 25 Step 4 Focus and Shoot 1 Press the shutter-release button halfway. • When the subject is in focus, the focus area that includes the subject or focus indicator (A7) glows green (multiple focus areas can glow green). • When you are using digital zoom, the camera focuses on the subject in the center of the frame and the focus area is not displayed.



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When the camera has focused, the focus indicator (A7) glows green. • If the focus area or focus indicator flashes red, the camera is unable to focus. Modify the composition and try pressing the shutter-release button halfway again. *The Basics of Shooting and Playback 1/250 F3.*

4 2 Without lifting your finger, press the shutter-release button the rest of the way down. 3 To apply an effect to the captured image, press the k button. *Quick effects* • The screen for selecting an effect is displayed. See “Using Quick Effects” (A32) for more information. Cancel Choose effect • When you press the d button or when no operations are performed for about 5 seconds, the monitor display returns to the shooting screen. • To not display the screen shown on the right, set Quick effects to Off in the shooting menu (A56). 26 The Shutter-release Button To set focus and exposure (shutter speed and aperture value), press the shutter-release button lightly until you feel a slight resistance. Focus and exposure remain locked while the shutter-release button is pressed halfway. Press the shutter-release button all the way to release the shutter and take an image. Do not use force when pressing the shutter-release button, as this may result in camera shake and blurred images.

Press the button gently. Press halfway Press all the way *The Basics of Shooting and Playback B Notes About Saving Images and Recording Movies* The indicator showing the number of exposures remaining or the indicator showing the maximum movie length flashes while images are being saved or while a movie is being recorded. Do not open the battery-chamber/memory card slot cover or remove the battery or memory card while an indicator is flashing. Doing this could result in loss of data, or in damage to the camera or the memory card. C Flash • If the subject is dimly lit, the flash will pop up automatically when you press the shutter-release button halfway when the flash mode is set to U (auto; default setting). The flash will fire when you press the shutter-release button all the way. See “Using the Flash” (A45) for more information. • Lower the flash by gently pushing it down. When not taking images, lower the flash.

27 Step 5 Play Back Images 1 Press the c (playback) button.

• If you press and hold down the c (playback) button while the camera is turned off, the camera turns on in playback mode. 2 *The Basics of Shooting and Playback* Use the multi selector to select an image to display. • Press and hold down HIJK to scroll through the images quickly. • Images can also be selected by rotating the multi selector. Display the previous image Display the next image • To return to shooting mode, press the c button or shutter-release button. 4/4 0004. JPG 15/05/2014 15:30 C Notes About the Quick Effects Function 4/4 • When e is displayed in full-frame playback mode, you can press the k button to apply an effect to the image. • When the effect selection screen is displayed, use the multi selector JK or rotate it to select an effect, press the k button, and then select Yes in the confirmation dialog and press the k button 0004. JPG 15/05/2014 15:30 to save the image as a separate file. See “Quick Effects: Changing Hue or Mood” (E14) for more information.

28 Step 6 Delete Images 1 Press the l button to delete the image currently displayed in the monitor. 2 Use the multi selector HI to select the desired deletion method and press the k button. • To exit without deleting, press the d button. Delete Current image Erase selected images All images *The Basics of Shooting and Playback* 3 Select Yes and press the k button. • Deleted images cannot be recovered. • To cancel, select No and press the k button. Erase 1 image? Yes No

29 Operating the Erase Selected Images Screen 1 Use the multi selector JK to select an image to be deleted, and then use H to display K. • To undo the selection, press I to remove K. • Move the zoom control (A1) toward g (i) to switch to full-frame playback or f (h) to switch to thumbnail playback. Erase selected images Back 2 B Add K to all images that you want to delete and then press the k button to confirm the selection.

• A confirmation dialog is displayed. Follow the instructions displayed in the monitor. *The Basics of Shooting and Playback Deleting Images in a Sequence* • If you press the l button and delete a key picture while only key pictures are displayed for sequences of images (A70), all images in the sequence, including the key picture, are deleted. • To delete individual images in a sequence, press the k button to display them one at a time and press the l button. C Deleting the Last Image Captured While in Shooting Mode When using shooting mode, press the l button to delete the last image that was saved. 30 Shooting Features A (Auto) Mode Used for general shooting. Settings can be adjusted to suit the shooting conditions and the type of shot you want to capture. • You can change how the camera selects the area of the frame to focus on by changing the AF area mode setting (A57). The default setting is Target finding AF (A63). Functions Available in A (Auto) Mode • • • • • Flash mode (A45) Self-timer (A48) Macro mode (A49) Creative slider (A50) Shooting menu (A56) Shooting Features 31 Using Quick Effects When in A (auto) mode, you can apply effects to images immediately after releasing the shutter.

• The edited image is saved as a separate file with a different name. 1 Press the k button when the image is displayed after it is taken in A (auto) mode. Quick effects • When you press the d button or when no operations are performed for about 5 seconds, the monitor display returns to the Cancel shooting screen. • To not display the screen shown on the right, set Quick effects to Off in the shooting menu (A56). Shooting Features Choose effect 2 Use the multi selector JK or rotate it to select the desired effect and press the k button.

Quick effects Pop Super vivid Painting • Move the zoom control (A1) toward g (i) to display a confirmation dialog for the High key Toy camera Toy camera applied effect. Move the zoom control effect 1 effect 2 Cancel toward f (h) to return to the selection screen for effects. • To exit without saving the edited image, press the d button. When a confirmation dialog is displayed, select Yes and press the k button. • See “Quick Effects: Changing Hue or Mood” (E14) for information about the effect types.

3 Select Yes and press the k button. 32 Scene Mode (Shooting Suited to Scenes) When a scene is selected, camera settings are automatically optimized for the selected scene. x (Scene auto selector) (A34) When you frame a picture, the camera automatically selects the optimum scene for simpler shooting. X (Night landscape) (A35) I S (Night portrait) (A35) W (Backlighting) (A36) 2 Rotate the mode dial to X, S or W and take images.



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Shooting Features y (Scene) Press the d button to display the scene menu and select one of the following shooting scenes. b Portrait (default setting) c Landscape1 d Sports (A36)2 f Party/indoor (A36)2 Z Beach2 z Snow2 h Sunset2, 3 i Dusk/dawn1, 3 Portrait Landscape Sports Party/indoor Beach Snow Sunset k Close-up (A37) u Food (A37) l Museum (A37)2 m Fireworks show (A37)1, 3 n Black and white copy (A37)2 p Easy panorama (A38) O Pet portrait (A39) 1 2 3 The camera focuses at infinity. The camera focuses on the area in the center of the frame. Use of a tripod is recommended because the shutter speed is slow. Set Photo VR to Off in the setup menu (A78) when using a tripod to stabilize the camera during shooting. 33 To View a Description (Help Display) of Each Scene Select a scene and move the zoom control (A1) toward g (j) to view a description of that scene.

To return to the original screen, move the zoom control toward g (j) again. Tips and Notes x Scene auto selector • When you point the camera at the subject, the camera automatically selects the optimum scene mode from the list below and adjusts the shooting settings accordingly. e b Shooting Features f h c g i j d d Portrait (for taking close-up portraits of one or two people) Portrait (for taking portraits of three or more people, or framing images with a large background size) Landscape Night portrait (for taking close-up portraits of one or two people) Night portrait (for taking portraits of three or more people, or framing images with a large background size) Night landscape Close-up Backlighting (for taking images of subjects other than people) Backlighting (for taking portrait images) Other scenes • The focus area depends on the composition of the image. When the camera detects a human face, it focuses on that face (A64). • In some shooting conditions, the camera may not select the appropriate scene mode that you intended. If this happens, switch to A (auto) mode or select the scene mode that you want to use when taking images (A22). 34 j Night landscape • Press the d button to select Hand-held or Tripod in Night landscape. • Hand-held (default setting): - When the j icon at the top left of the monitor glows green, press the shutter-release button all the way to capture a series of images which are combined into a single image and saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed. After taking an image, do not turn the camera off before the monitor switches to the shooting screen. - The angle of view (i.e., the area visible in the frame) seen in the saved image is narrower than that seen in the monitor at the time of shooting. • Tripod: - One image is captured at a slow shutter speed when the shutter-release button is pressed all the way. - Vibration reduction is disabled regardless of the Photo VR (A78) setting in the setup menu.

Shooting Features e Night portrait • Press the d button to select Hand-held or Tripod in Night portrait. • Hand-held (default setting): - When the e icon at the top left of the monitor glows green, press the shutter-release button all the way to capture a series of images which are combined into a single image and saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed. After taking an image, do not turn the camera off before the monitor switches to the shooting screen. - If the subject moves while the camera is shooting continuously, the image may be distorted, overlapped, or blurred.

• Tripod: - One image is captured at a slow shutter speed when the shutter-release button is pressed all the way. - Vibration reduction is disabled regardless of the Photo VR (A78) setting in the setup menu. 35 o Backlighting • Press the d button to select On or Off in HDR to enable or disable the high dynamic range (HDR) function based on the type of image you want to take. • Off (default setting): The flash fires to prevent the subject from being hidden in shadow. - When the shutter-release button is pressed all the way down, one image is captured. • On: Use when taking images with very bright and dark areas in the same frame. - When the shutter-release button is pressed all the way, the camera shoots images continuously at high speed, and saves the following two images. - A non-HDR composite image - An HDR composite image in which the loss of details in highlights or shadows is minimized - If there is only enough memory to save one image, an image processed by DLighting (A69) at the time of shooting, in which dark areas of the image are corrected, is the only image saved. - Once the shutter-release button is pressed all the way, hold the camera still until a still image is displayed. After taking an image, do not turn the camera off before the monitor switches to the shooting screen.

- The angle of view (i.e., the area visible in the frame) seen in the saved image is narrower than that seen in the monitor at the time of shooting. Shooting Features y M d Sports • While the shutter-release button is held all the way down, the camera shoots up to about 5 images continuously at a rate of about 6.7 fps (when image mode is set to P 4608×3456). • The frame rate for continuous shooting may vary depending upon the current image mode setting, the memory card used, or shooting condition. • Focus, exposure, and hue are fixed at the values determined with the first image in each series. y M f Party/indoor

• To avoid the effects of camera shake, hold the camera steady. Set Photo VR to Off in the setup menu (A78) when using a tripod to stabilize the camera during shooting. 36 y M k Close-up • Macro mode (A49) is enabled and the camera automatically zooms to the closest position at which it can focus. • You can move the focus area. Press the k button, use the multi selector HIJK or rotate it to move the focus area, and press the k button to apply the setting. y M u Food • Macro mode (A49) is enabled and the camera automatically zooms to the closest position at which it can focus. • You can adjust hue by using the multi selector HI. The hue setting is saved in the camera's memory even after the camera is turned off.

• You can move the focus area. Press the k button, use the multi selector HIJK or rotate it to move the focus area, and press the k button to 25m 0s apply the setting. 880 Shooting Features y M l Museum • The camera captures a series of up to 10 images while the shutter-release button is held all the way down, and the sharpest image in the series is automatically selected and saved (BSS (Best Shot Selector)). • The flash does not fire. y M m Fireworks show • The shutter speed is fixed at about 4 seconds.

y M n Black and white copy • Use together with macro mode (A49) when shooting subjects that are close to the camera. 37 y M p Easy panorama • From the screen displayed after p Easy panorama is selected, select the shooting range from Normal (180°) or Wide (360°).



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• The zoom position is fixed at wide-angle. • Press the shutter-release button all the way down, remove your finger from the button, and then slowly pan the camera horizontally. Shooting ends when the camera captures the specified shooting range. • Focus and exposure are locked when shooting starts. • If you press the k button when a captured image is displayed in full-frame playback mode, the image scrolls automatically. • You cannot use any image editing functions other than cropping for images captured with easy panorama on this camera. See "Using Easy Panorama (Shooting and Playback)" (E2) for more information. B Shooting Features Notes About Printing Panorama Images The entire image may not be able to be printed depending on the printer's settings.

Additionally, printing may not be possible depending on the printer. 38 y M O Pet portrait • When you point the camera at a dog or cat, the camera detects the pet's face and focuses on it. By default, the shutter is automatically released when the camera detects a dog or cat face (pet portrait auto release). • From the screen displayed after O Pet portrait is selected, select Single or Continuous. - Single: Whenever the camera detects a dog or cat face, the camera captures 1 image. - Continuous: Whenever the camera detects a dog or cat face, the camera captures 3 images continuously. B Pet Portrait Auto Release • Press the multi selector J (n) to change the Pet portrait auto release settings. - Y: When the camera detects a dog or cat face, the camera automatically releases the shutter. - k: The camera does not release the shutter automatically, even if a dog or cat face is detected. Press the shutter-release button. The camera also detects human faces when k is selected. • Pet portrait auto release is set to k after five bursts have been taken. • Shooting is also possible by pressing the shutter-release button, regardless of the Pet portrait auto release setting. Shooting Features B Focus Area • When the camera detects a face, the face is displayed inside a yellow border. When the camera acquires focus on a face displayed inside a double border (focus area), the double border turns green.

If no faces are detected, the camera focuses on the subject in the center of the frame. • In some shooting conditions, the pet face may not be detected and other subjects may be displayed inside a border. 25m 0s 880 39 Smart Portrait Mode (Capturing Images of Smiling Faces) When the camera detects a smiling face, you can take an image automatically without pressing the shutter-release button (smile timer (A58)). You can use the skin softening option to smooth the skin tones of human faces. 1 Shooting Features Frame the picture.

• Point the camera at a human face. 2 Without pressing the shutter-release button, wait for the subject to smile. • If the camera detects that the face framed by the double border is smiling, the shutter is automatically released. • Whenever the camera detects a smiling face, it automatically releases the shutter. 3 End automatic shooting. • Perform one of the operations listed below to end shooting. - Set Smile timer to Off. - Rotate the mode dial to switch to a shooting mode other than F (smart portrait) mode. - Turn off the camera. B Notes About Smart Portrait Mode Under some shooting conditions, the camera may be unable to detect faces or detect smiles (A64).

The shutter-release button can also be used for shooting. 40 C When the Self-timer Lamp Flashes When using smile timer, the self-timer lamp flashes when the camera detects a face and flashes quickly immediately after the shutter is released. Functions Available in Smart Portrait Mode • • • • Flash mode (A45) Self-timer (A48) Exposure compensation (A53) Shooting menu (A56) 41 Shooting Features Special Effects Mode (Applying Effects When Shooting) Effects can be applied to images during shooting. Image mode Special effects Special effects Soft Nostalgic sepia Shooting Features High-contrast monochrome High key Low key Selective color Pop Press the d button to display the special effects menu and select an effect using the multi selector. Category O Soft (default setting) P Nostalgic sepia F High-contrast monochrome G High key H Low key I Selective color l Pop k Super vivid Description Softens the image by adding a slight blur to the entire image. Adds a sepia tone and reduces the contrast to simulate the qualities of an old photograph. Changes the image to black and white and gives it sharp contrast. Gives the entire image a bright tone. Gives the entire image a dark tone. Creates a black and white image in which only the specified color remains.

Increases the color saturation of the entire image to create a bright look. Increases the color saturation of the entire image and sharpens the contrast. 42 Category o Cross process m Toy camera effect 1 n Toy camera effect 2 Description Gives the image a mysterious appearance based on a specific color. Gives the entire image a yellowish hue and darkens the image periphery. Decreases the color saturation of the entire image and darkens the image periphery.

• The camera focuses on the area in the center of the frame. • When Selective color or Cross process is selected, use the multi selector HI to select the desired color from the slider. To change settings for any of the following functions, press the k button to cancel color selection. - Flash mode (A45) Save - Self-timer (A48) - Macro mode (A49) - Exposure compensation (A53) To return to the color selection screen, press the k button again. Shooting Features Slider 43 Functions That Can Be Set Using the Multi Selector The functions that are available vary with the shooting mode, as shown below.

1 2 4 3 Shooting Features Function A w w * w y, x, X, S, W F w* w* u w w w 1 m Flash mode (A45) 2 n Self-timer (A48) 3 D Macro mode (A49) Creative slider (o Brightness (Exp. +/-) / G Vividness/F Hue) 4 o (A50) Exposure compensation (A53) - w w * Availability depends on the setting. See "Default Settings" (A54) for more information. 44 Using the Flash You can select the flash mode to match the shooting conditions. 1 Press the multi selector H (m). 2 Select the desired flash mode (A47) and press the k button. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. Auto Shooting Features B The Flash Lamp • The status of the flash can be confirmed by pressing the shutter-release button halfway. - On: The flash fires when you press the shutter-release button all the way down. - Flashing: The flash is charging.

The camera cannot shoot images. - Off: The flash does not fire when an image is taken. • If the battery level is low, the monitor turns off while the flash is charging. 45 Raising the Flash When you press the shutter-release button halfway, the flash will automatically pop up if the conditions required for flash photography are met.



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• Auto flash (U auto, V auto with red-eye reduction, or Y slow sync): If the lighting is dim, the flash automatically pops up when the shutter-release button is pressed halfway. The camera determines whether or not the flash pops up based on the brightness of the subject and the settings used during shooting. • W off: The flash does not pop up, even when the shutter-release button is pressed halfway. The camera can shoot pictures with the flash lowered. • X fill flash: The flash pops up when the shutter-release button is pressed halfway during shooting. Shooting Features Lowering the Flash When not using the flash, gently push to lower the flash until it clicks shut.

46 Available Flash Modes U Auto The flash fires when necessary, such as in dim lighting. • The flash mode icon on the shooting screen is displayed only immediately after the setting is made. V W Auto with red-eye reduction Reduce “red-eye” in portraits caused by the flash. Off The flash does not fire. • We recommend using a tripod to stabilize the camera when shooting in dark surroundings.

X Fill flash The flash fires whenever an image is taken. Use to “fill-in” (illuminate) shadows and backlit subjects. Y Slow sync Suited to evening and night portraits that include background scenery. The flash fires when necessary to illuminate the main subject; slow shutter speeds are used to capture background at night or under dim lighting. Shooting Features C The Flash Mode Setting • The setting may not be available with some shooting modes.

• The setting applied in A (auto) mode is saved in the camera’s memory even after the camera is turned off. C Auto with Red-eye Reduction Pre-flashes are fired repeatedly at low intensity before the main flash, reducing the red-eye effect. If the camera detects red-eye while saving an image, the affected area is processed to reduce red-eye before the image is saved. Note the following when shooting: • Because pre-flashes are fired, there is a slight lag between when the shutter-release button is pressed and when the image is shot. • More time than usual is required to save images. • Red-eye reduction may not produce the desired results in all situations. • In some rare cases, red-eye reduction may be applied unnecessarily to other areas of the image. In these cases, select another flash mode and take the image again. 47 Using the Self-timer The camera is equipped with a self-timer that releases the shutter about 10 seconds or 2 seconds after you press the shutter-release button. Set Photo VR to Off in the setup menu (A78) when using a tripod to stabilize the camera during shooting.

1 Press the multi selector J (n). 2 Shooting Features Select n 10s or n 2s, and press the k button. Self-timer • n 10s (10 seconds): Use on important occasions, such as weddings. • n 2s (2 seconds): Use to prevent camera shake. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. • When the shooting mode is Pet portrait scene mode, Y (pet portrait auto release) is displayed (A39). The self-timer cannot be used. 3 4 Frame the picture and press the shutter-release button halfway. • Focus and exposure are set. Press the shutter-release button the rest of the way down.

• Countdown starts. The self-timer lamp flashes and then glows steadily about one second before the shutter is released. • When the shutter is released, the self-timer is set to k. • To stop the countdown, press the shutter-release button again. 9 48 Using Macro Mode Use macro mode when taking close-up images.

1 Press the multi selector I (p). 2 Select o and press the k button. • If a setting is not applied by pressing the k button within a few seconds, the selection will be canceled. Macro mode Shooting Features 3 Move the zoom control to set the zoom ratio to a position where F and the zoom indicator glow green. • When the zoom ratio is set to a position where the zoom indicator glows green, the camera can focus on subjects as close as approximately 10 cm (4 in.)

) from the lens. When the zoom is at the position where G is displayed, the camera can focus on subjects as close as approximately 1 cm (0.4 in.) from the lens. B C Notes About Using the Flash The flash may be unable to light the entire subject at distances of less than 50 cm (1 ft 8 in.). The Macro Mode Setting • The setting may not be available with some shooting modes. • The setting applied in A (auto) mode is saved in the camera’s memory even after the camera is turned off. 49 Adjusting Brightness (Exposure Compensation), Vividness, and Hue (Creative Slider) When the shooting mode is set to A (auto) mode, use the creative slider to adjust brightness (exposure compensation), vividness, and hue for taking images. Operating the Creative Slider 1 Press the multi selector K (o).

Shooting Features 2 Select the item you want to adjust and make an adjustment. • JK: Select an item. - o: “Adjusting Brightness (Exposure Compensation)” (A51) - G: “Adjusting Vividness (Saturation Adjustment)” (A52) - F: “Adjusting Hue (White Balance Adjustment)” (A52) Slider Brightness (Exp. +/-) + 2.0 + 0.3 - 2.0 • HI or rotation: The slider moves. The effect can be adjusted while confirming the results on the monitor. • To turn off the effects of the creative slider, select P and press the k button. 3 When adjustment is complete, select y and press the k button.

• If the k button (except when P is selected) or the shutter-release button is pressed in step 2, the selected amount of effect is applied. When the effect is applied, the camera returns to the shooting screen. Exit C Creative Slider Settings The settings for Brightness (Exp. +/-) (exposure compensation), Vividness and Hue are saved in the camera’s memory even after the camera is turned off. 50 Adjusting Brightness (Exposure Compensation) Adjust the overall brightness of the image.

• To brighten the image, set a positive (+) value. • To darken the image, set a negative (–) value. Slider Brightness (Exp. +/-) + 2.0 + 0.

3 - 2.0 Exposure compensation value Histogram C Using the Histogram Shooting Features A histogram is a graph showing the distribution of tones in the image. Use as a guide when using exposure compensation and shooting without the flash. • The horizontal axis corresponds to pixel brightness, with dark tones to the left and bright tones to the right. The vertical axis shows the number of pixels. • Increasing exposure compensation shifts tone distribution to the right, and decreasing it shifts tone distribution to the left. 51 Adjusting Vividness (Saturation Adjustment) Adjust the overall vividness of the image. • The overall image vividness increases as the slider is moved up. The overall image vividness decreases as the slider is moved down. Slider Vividness Adjusting Hue (White Balance Adjustment) Adjust the overall hue of the image.



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