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You can read the recommendations in the user guide, the technical guide or the installation guide for PANASONIC LUMIX DMC-ZS3. You'll find the answers to all your questions on the PANASONIC LUMIX DMC-ZS3 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual PANASONIC LUMIX DMC-ZS3
User guide PANASONIC LUMIX DMC-ZS3
Operating instructions PANASONIC LUMIX DMC-ZS3
Instructions for use PANASONIC LUMIX DMC-ZS3
Instruction manual PANASONIC LUMIX DMC-ZS3

Panasonic



**Operating Instructions
for advanced features**
Digital Camera

Model No. **DMC-TZ7/DMC-ZS3**
DMC-TZ6/DMC-ZS1



Before use, please read these instructions completely.



All descriptions and logos pertaining to HDMI, VIERA Link, AVCHD Lite, and Dolby pertain to DMC-TZ7/DMC-ZS3 only.

VQT2C11-1



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Manual abstract:

@@@ Details about functions specific to each model are indicated by symbols added to headings or at the end of descriptions, etc. (Example)
Functions available in the DMC-TZ7/DMC-ZS3 only: Functions available in the DMC-TZ6/DMC-ZS1 only: 1. Set REC/PLAY switch to . 2. Select the picture you want to view. Previous Next 2 VQT2C11 VQT2C11 3 Record, view, save those precious moments. Record P.26 View Print P.105 Enjoy crisp pictures on large screens! AV cable HDMI mini cable (optional) Taking picture with automatic settings Camera automatically detects the scene INTELLIGENT AUTO mode (P.30) Automatically adjusts the optimum focus and brightness settings based on the movement of the subject 'AF TRACKING' (P.32) Recognises faces and brings them into sharp focus 'Face detection' (P.32, 71) Easy operation with VIERA remote control 'VIERA Link' support P.102 With your printer Connect directly to easily print pictures at home. Use a PictBridge-compatible printer. USB connection cable Wide Angle Everyone can fit into a group photo 25 mm wide angle lens' At digital photo centre Give card to shop assistant to print pictures.
SD memory card Zoom Shooting (P.35) 'Optical 12x zoom' (21.4x zoom' with Extra optical zoom) for close-up pictures of people at a distance Save and enjoy your pictures! Use the bundled software PHOTOfunSTUDIO 3' for P.97 Taking Motion Pictures (P.59, 62) Quick switching to motion picture recording at the touch of a button 'Motion picture Button' High-definition motion picture recording over extended durations 'AVCHD Lite' (1280 x 720p) Zoom functions available even during motion picture recording Saving, retouching, and managing your images Creating DVD discs (AVCHD/DVD-Video) from recorded motion pictures SD memory card USB connection cable Face recognition function Detect faces close to those that have been registered for priority focus and exposure adjustment.
Face recognition' Cards may be inserted directly into devices with SD memory card slots. SD memory card/SDHC memory card 2 (optional) (P.63) With DVD recorder 1 Save to DVD or hard disk SD memory card 1 2 3 AV cable 32 See respective products' instruction manuals for details. Can be used on SDHC memory card-compatible devices. PHOTOfunSTUDIO 3.0 HD Edition' is included with the DMC-TZ7/DMC-ZS3 model. PHOTOfunSTUDIO 3.0' is included with the DMC-TZ6/DMC-ZS1 model. In this manual, PHOTOfunSTUDIO' refers to either version of the software. VQT2C11 4 VQT2C11 5 Contents Before use Before use .

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59 6 VQT2C11 VQT2C11 7 Before use Read first Do a test shot first! Check first to see if you can take pictures and record sounds (motion pictures/ pictures with audio) successfully. Standard Accessories To prevent damage and faults Avoid shocks, vibration, and pressure · Avoid exposing the camera to strong vibration or shock; e.g. dropping or hitting the camera, or sitting down with the camera in your pocket. (Attach hand strap to avoid dropping camera.



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· Hanging any items other than the supplied hand strap from the camera can apply pressure against it.) · Do not press the lens or the LCD monitor. Lens · If lens is dirty: Images may appear slightly white if lens is dirty (fingerprints, etc.). Turn the power on, hold the extracted lens barrel with your fingers, and gently wipe the lens surface with a soft, dry cloth.

· Do not leave in direct sunlight. Battery Pack Charge the battery before use. Battery Charger (referred to in this manual as 'battery') We will not compensate for failed/ lost recording or for direct/indirect damage. Panasonic will not provide compensation even if damage is caused by faults with camera or card. (referred to in this manual as 'charger') Battery Carrying Case AC Cable Certain pictures cannot be played back · Pictures edited on a computer · Pictures taken or edited on a different camera (Pictures taken or edited on this camera may also not be able to be played back on other cameras) Do not get the camera wet or insert foreign objects This camera is not waterproof. · Do not expose the camera to water, rain, or seawater. (If camera gets wet, wipe with a soft, dry cloth. Wring cloth thoroughly first if wet with seawater, etc.) · Avoid exposing lens and socket to dust or sand, and do not allow liquids to leak into gaps around buttons. Camera ON/OFF switch Hand Strap USB Connection Cable AV Cable CD-ROM Operating Instructions Software on the CD-ROM supplied The following actions are prohibited: · Making duplicates (copying) for sale or rent · Copying onto networks Avoid condensation caused by sudden changes in temperature and humidity · When moving between places of different temperature or humidity, place camera into a plastic bag and allow to adjust to conditions before use.

· If the lens clouds up, switch off the power and leave for about two hours to allow camera to adjust to conditions. · If the LCD monitor clean normal if battery temperature is too high or too low (charging may not be completed). · Battery/charger connector is dirty. Clean with a dry cloth. The AC mains lead does not fit entirely into the AC input terminal.

A gap will remain as shown right. Cursor button MENU/SET (menu display/set/finish) (P.16) Left cursor button () · Self-timer (P.46) Down cursor button () · Exposure compensation (P.47) · Auto bracket (P.

47) · Multi aspect 2 (P.48) · White balance fine adjustment (P.70) Up cursor button () · Macro mode (P.43) · AF Lock (AF tracking) (P.32, 71) Right cursor button () · Flash (P.41) In this manual, the button that is used is shaded or indicated by. @@@@1 DMC-TZ6/DMC-ZS1 has only one microphone (Monaural). 2 This is not available in the DMC-TZ6/DMC-ZS1. 3 The size in the DMC-TZ6/DMC-ZS1 is different. 4 DMC-TZ6/DMC-ZS1 does not have this button.

Detach the battery after charging is complete Disconnect charger and battery when charging is complete. 10 VQT2C11 VQT2C11 11 Charging battery (Continued) The battery life Figures may be reduced if intervals between recordings are longer; if flash, zoom, or LCD MODE are used frequently; or in colder climates (depends on actual usage). Number of recordable pictures Recording time Approx. 300 pictures Approx. 320 pictures Approx. 150 min Approx. 160 min By CIPA standard in normal picture mode Inserting battery and card Battery (check orientation) Card (check orientation) Do not touch terminal LOCK Set the camera ON/OFF switch to OFF Slide to the 'OPEN' position and open the lid OPEN Recording conditions by CIPA standard CIPA is an abbreviation of [Camera & Imaging Products Association]. · Temperature 23 °C, humidity 50 % · LCD monitor ON (The number of recordable pictures decreases in AUTO POWER LCD, POWER LCD, and HIGH ANGLE mode) · Using Panasonic SD memory card (32 MB) · Using the supplied battery · NORMAL PICTURE mode · First picture taken 30 sec. after power turned on (STABILIZER AUTO) · 1 picture taken per 30 sec. · Full flash used for every other picture · Zoom operation for each picture (max.

W max. T, or max. T max. W) · Power turned off after each 10 pictures, battery allowed to cool Release lever Completely insert battery and card (both click into place) / Status indicator Number reduced if intervals longer e.g.

to approx. one quarter (75 pictures 80 pictures) for 2-minute intervals under the above conditions. Playback time Approx. 300 min Close lid Slide to the LOCK' position. The number of recordable pictures or available recording time may vary slightly according to battery and usage conditions.

Recording time capacity (motion pictures) Approx. 90 min See P.123 for details. To remove · To remove battery: move lever in direction of arrow. Lever · To remove card: press down in centre. · Continuous recording with 'REC MODE' set to 'AVCHD Lite' and 'REC QUALITY' to 'SH' Available recording time varies according to usage conditions and intervals between recording. Available recording time will be reduced when the camera is switched 'ON'/'OFF', recording is stopped/started, or zoom operations are used frequently. Battery will be warm during charging and for some time thereafter. Battery will run out if not used for long periods of time, even after being charged. Charge the battery with the charger indoors (10 °C - 35 °C).

Frequently charging up battery is not recommended. (Frequently charging battery reduces maximum usage time and can cause battery to expand.) Do not disassemble or modify the charger. If available battery power is significantly reduced, battery is reaching end of lifespan. Please purchase a new battery. The battery charger is in the standby condition when the AC power supply cord is connected. The primary circuit is always "live" as long as the power cord is connected to an electrical outlet. When charging · Remove any dirt on connectors of charger and battery with dry cloth. · Keep at least 1 m away from AM radio (may cause radio interference). · Noises may be emitted from inside of charger, but this is not a fault.

· Always remove from mains socket after charging (up to 0.1 W consumed if left in place). Store battery in battery carrying case after use. Do not use if damaged or dented (especially connectors), e.g.

by dropping (can cause faults). Always use genuine Panasonic batteries (DMW-BCG10E). If you use other batteries, we cannot guarantee the quality of this product. Do not remove card or battery while power is 'ON' or while status indicator is on (Camera may cease operating correctly, or card/recorded contents may be damaged). The reading/writing speed of a MultiMediaCard is slower than an SD memory card.



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When a MultiMediaCard is used, the performance of certain features may be slightly slower than advertised. Keep the Memory Card out of reach of children to prevent swallowing. 12 VQT2C11 VQT2C11 13 Inserting battery and card (Continued) Picture save destination (cards and built-in memory) Pictures will be saved to a card if one is inserted, or to the built-in memory if not. Setting the clock REC/PLAY switch to before turning on power. (The clock is not set when the camera is shipped.) Turn on the power Compatible memory cards (optional) SD memory card/ The following SD standard-based cards (Panasonic brand recommended) SDHC memory card · SD memory cards (8 MB - 2 GB) (optional) · SDHC memory cards (4 GB - 32 GB) Can only be used with devices compatible with SDHC memory cards. (Always read your device's operating instructions before proceeding) · Cards of over 4 GB may only be used if they have the SDHC logo. Please reformat the card with this camera if it has already been formatted with a computer or another device. (P.24) If the switch on the card is set to 'LOCK', operations such as Switch formatting, recording, and deleting cannot be performed.

SDHC logo (LOCK) MultiMediaCards may also be used (for pictures only) Press to select the language, and press 'MENU/SET'. (The language select screen is not displayed on DMC-TZ7GJ.) 'PLEASE SET THE CLOCK' will be displayed when power is turned on for the first time. While this message is displayed Press 'MENU/SET' Built-in memory (approx. 40 MB) Built-in memory is slower than SD memory card. 'QVGA' in 'REC QUALITY' (P.78) only can be available to record motion pictures in the built-in memory. Clipboard pictures (P.79) are saved to built-in memory. Pictures may be copied between cards and the built-in memory (P.

96). REC/PLAY switch Select the setting item (year, month, date, time, display order, time display format), and set. Select the setting item To change time setting Select 'CLOCK SET' from SETUP menu (P.19), perform and . · Clock settings will be saved for approx. 3 months even after battery is removed, provided a fully-charged battery was installed in camera for the 24 hours beforehand. Remaining battery and memory capacity Remaining battery (only when using battery) (flashes red) If the battery mark flashes red (or status indicator flashed when LCD monitor is off), recharge or replace battery. (P.11) Displayed when no card inserted (pictures will be saved to built-in memory) Pictures remaining (P.122 P.

124) When in operation (Card) or (Built-in memory) are illuminated red. This means that an operation is in progress, such as the recording, reading, deleting, or formatting of pictures. Do not turn off the power or remove the battery, card, or AC adaptor (optional) (this may cause damage to or loss of data). Do not subject the camera to vibrations, impact, or static electricity. Should any of these cause camera operation to be terminated, attempt to perform the operation again. It is recommended that you copy important pictures to your computer (as electromagnetic waves, static electricity, or faults may cause data to be damaged). For model numbers and types, see <http://panasonic.co.jp/pavc/global/cs> (This Site is English only.) To set local time at travel destination 'WORLD TIME' (P.

66) Set the Select the display format date, time, or display. · To cancel Press . · Setting example of display order and time display format [D/M/Y] [AM/PM]: PM 12:34 15.APR.2009 [M/D/Y] [24HRS]: 12:34 APR.15.2009 [Y/M/D] [24HRS]: 2009.4.15 12:34 When set to [AM/PM], 0:00 midnight is AM 12:00, and 0:00 noon is PM 12:00. Set Press 'MENU/SET' · Turn on power again and check time display.

(Time and date can be displayed by pressing 'DISPLAY' several times.) Failure to set the date and time will cause the date/time to be improperly printed when printing pictures in digital photo centre or when using 'TEXT STAMP' (P.88). Year can be set between 2000 and 2099. After the time has been set, the date can be printed correctly even if the date is not displayed on the camera screen.

VQT2C11 14 VQT2C11 15 Using menus (Example) Change 'VOLUME' in SETUP menu when in NORMAL PICTURE mode. (REC/PLAY switch , Mode dial) To enable optimum usage of the camera, various functions can be activated and setting can be changed from the menus. Menu type REC menu MOTION PICTURE menu Changing image preferences (P.67 - 78) · Make settings such as white balance, sensitivity, aspect ratio, and picture size. REC menu REC menu Bring up the menu Camera ON/OFF switch Shutter button Mode dial The selected item is displayed with an orange background.

Select SETUP menu Highlight Select and return to menu items MOTION PICTURE menu REC/PLAY switch Turns orange To restore default settings 'RESET' (P.22) Select the item Page (Zoom lever can be used to switch to next screen.) Item Making the camera more convenient to use (P.19 - 25) · Make settings for ease of use such as adjusting the clock and changing the beep sounds. Viewing recorded pictures (P.83 - 86) · Choose a playback type to see slideshows or just your favourite pictures. Using your pictures (P.87 - 96) · Make settings for using the images you have taken, including protecting, trimming, and handy settings for printing your pictures (DPOF). REC/PLAY switch SETUP menu PLAYBACK MODE menu Select the setting Settings Selected setting PLAYBACK menu Finish · When the REC/PLAY switch is set to , menu can be closed with a half-press of the shutter button. Settings display may vary according to items.

Menu items displayed vary according to mode dial setting. VQT2C11 16 VQT2C11 17 Using menus (Continued) Using Quick menu Recording menu items can be called up easily. Using SETUP menu Make general camera settings such as adjusting the clock, extending the battery life, and changing the beep sounds. 'CLOCK SET', 'AUTO REVIEW' and 'ECONOMY' are important for clock setting and battery life. Be sure to check these before use. (Setting method : P.16) Item 'CLOCK SET' Set the date and time. (P.15) Settings, notes Set time, date, and display format. Set to Display 'Quick menu' Hold 'WORLD TIME' Set the local time at travel destination.

(P.66) TRAVEL DATE Quick menu DESTINATION: Set the local time at travel destination. HOME: Set date and time at home area. TRAVEL SETUP OFF/SET (Register departure and return dates) LOCATION OFF/SET (Input name of destination.) (P.

87) BEEP LEVEL / / / / / : Mute/Low/High : Change beep tone. : Mute/Low/High : Change shutter tone. BEEP TONE SHUTTER VOL. Select item and setting Select Record the number of days elapsed in your travels. (P.

65) BEEP Change or mute the beep/shutter sounds. Press Setting Item // VOLUME SHUTTER TONE 0 · · LEVEL3 · · LEVEL6 · Cannot be used to adjust TV speaker volume when connected to TV.



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(We recommend setting camera volume to 0) +1 - +3: Brighter ±0: Standard -1 - -3: Darker Settings items displayed vary depending on recording mode. Adjust volume of sound from speakers (7 levels). MONITOR Adjust the brightness of the LCD monitor (7 levels). 18 VQT2C11 VQT2C11 19 Using SETUP menu (Continued) Item LCD MODE Make LCD monitor easier to see. Settings, notes OFF: Normal (cancel setting) AUTO POWER LCD: The brightness is adjusted automatically depending on how bright it is around the camera. POWER LCD: Makes screen brighter than normal (for outdoor use). HIGH ANGLE: Makes screen easier to see when taking pictures from high positions. (becomes harder to see from the front) · HIGH ANGLE' will be cancelled when power is turned off (including POWER SAVE).

· Block out sunlight (with hand, etc.) if reflection makes screen difficult to see. · AUTO POWER LCD' or HIGH ANGLE' cannot be used in the following cases. During playback mode or menu screen display, or when connected to computer/printer. · POWER LCD' will be deactivated if no operations are performed for 30 seconds while recording. (Brightness can be restored by pressing any button) · Brightness/colour of screen in LCD MODE' has no effect on pictures recorded. · AUTO POWER LCD' cannot be set in playback mode. · The number of recordable pictures and the recording time are reduced when using AUTO POWER LCD' or POWER LCD'. See P.16 for the setting procedure in the SETUP menu.

Item ECONOMY Turn off LCD monitor and power while not in use to save battery consumption. POWER SAVE Settings, notes OFF/2MIN./5 MIN./10MIN. : Automatically shut off power while not in use.

· To restore Press the shutter button halfway, or turn on the power again. · Cannot be used in the following cases: When using AC adaptor (optional), when connected to computer/printer, during motion picture recording/playback, during slideshows · Settings fixed to 2 MIN.' in AUTO LCD OFF' (below), 5 MIN.' in INTELLIGENT AUTO Mode or CLIPBOARD Mode, or 10 MIN.' while slideshow is paused.

AUTO LCD OFF OFF/15SEC./30SEC. : LCD monitor is shut off if no operations are performed for a set period while recording. (Status indicator is illuminated while monitor is off.) · Cannot be used in the following cases: When using INTELLIGENT AUTO Mode, CLIPBOARD Mode, or AC adaptor (optional), when menu screen is displayed, when using self-timer setting or during motion picture recording. · To restore Press any button. DISPLAY SIZE Change the display size of the menu. GUIDE LINE Select recording information display and types of guidelines. (P.40) HISTOGRAM Check subject brightness on graph.

(P.40) REC AREA Enables verification of the recordable area for a motion picture before recording. STANDARD/LARGE REC. INFO. OFF/ON (Display recording information with guide lines.) PATTERN / OFF/ON : Change the patterns of guide lines. AUTO REVIEW Automatically display pictures immediately after taking them. OFF: No auto review 1 SEC./2 SEC. : Automatically display for 1 or 2 seconds.

HOLD: Auto review screen remains until a button (other than the display button) is pressed ZOOM: Displays for 1 second, then at 4x zoom for 1 second · Fixed to 2 SEC.' in INTELLIGENT AUTO Mode. · In SELF PORTRAIT', PANORAMA ASSIST', HI-SPEED BURST', and FLASH BURST' scene modes, AUTO', BURST' Mode, or BRACKET', MULTI ASPECT pictures with audio, auto review performed regardless of setting. · Motion pictures cannot be automatically reviewed. OFF/ON · Recordable area displayed for motion pictures should be interpreted as a guideline.

· When using extended optical zoom, the recordable area may not always be displayed for certain zoom ratios. · This setting cannot be used with Intelligent Auto Mode. This section is not recorded. 20 VQT2C11 The REC AREA' menu item is not available in the DMC-TZ6/DMC-ZS1. VQT2C11 21 Using SETUP menu (Continued) Item ZOOM RESUME Remember the zoom ratio when turning power off.

NO.RESET Reset image file numbers. OFF/ON · Cannot be set when using SELF PORTRAIT' scene mode. YES/NO · The folder number is updated and the file number starts from 0001. · A folder number between 100 and 999 can be assigned. Numbers cannot be reset once folder number reaches 999. In this case, save all necessary pictures to your computer, and format the built-in memory/card (P.24). · To reset folder number to 100: First, format the built-in memory or card, and reset the file numbers using NO. RESET'.

Then, select YES' on the folder number reset screen. · File numbers and folder numbers. (P.100, 119) RESET REC. SETTINGS? YES/NO RESET SETUP PARAMETERS? YES/NO · Information registered in FACE RECOG.' is reset if recording settings are reset. · Resetting SETUP parameters causes the following to be reset: Birthdays and names in BABY' and PET' scene modes, TRAVEL DATE', WORLD TIME', ZOOM RESUME', FAVORITE' in PLAYBACK menu (set to OFF'), ROTATE DISP.' (set to ON'). · Folder numbers and clock settings will not be reset. · Camera movement may be audible as the lens function is reset.

This is not a fault. USB MODE Select communication method for when connecting camera to a computer or printer with USB connection cable. SELECT ON CONNECTION: Select PC' or PictBridge(PTP)' each time you connect to a computer or PictBridge-compatible printer. PictBridge (PTP) : Select when connecting to a PictBridge-compatible printer PC: Select when connecting to a computer Settings, notes See P.16 for the setting procedure in the SETUP menu.

Item VIDEO OUT Change the video output format when connected to a TV, etc. (PLAYBACK mode only). TV ASPECT Change the aspect ratio when connected to a TV, etc. (PLAYBACK mode only). HDMI MODE Set the output resolution when connected to a high-definition TV with an HDMI mini cable (optional).

(P.106) Settings, notes NTSC/PAL: Motion pictures that were recorded in AVCHD Lite may not be played back correctly in some cases. · Operates when AV cable is connected. / · When set to , pictures will be displayed vertically long on LCD monitor. (Operates when AV cable is connected.) AUTO: The output resolution is automatically determined based on information from the connected TV. 1080i: Outputs 1080 effective scanning lines in interlaced format. 720p: Outputs 720 effective scanning lines in progressive format. 576p 1/480p 2: Outputs 576 (or 480) effective scanning lines in progressive format. 1 When the video out is set to PAL' 2 When the video out is set to NTSC' Interlaced and Progressive Formats In 'i' = interlaced format (interlaced scanning), half of the effective scanning lines are displayed alternately every 1/50 second.



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In \dot{p} = progressive format (progressive scanning), high-density video signals are sent simultaneously for all effective scanning lines every 1/50 second. The HDMI socket of this camera supports 1080i high definition video output. To enjoy progressive video or high definition video, a TV compatible with these formats is required. · Even if 1080i is set, the motion picture is output at 720p during playback. · If no video appears on the TV even though AUTO is set, try switching to 1080i, 720p, or 576p (480p) to adjust to a video format that can be displayed on your TV. (See the manual for your TV.) · This is activated when an HDMI mini cable (optional) is connected. · For further details, see P.106. RESET Reset to the default settings.

22 VQT2C11 The HDMI MODE menu item is not available in the DMC-TZ6/DMC-ZS1. VQT2C11 23 Using SETUP menu (Continued) Item VIERA Link Enable automatic linking with other VIERA Link-compatible devices, and operability with a VIERA remote control when connecting via an HDMI mini cable (sold separately) (P.107). VERSION DISP. Check the version of the camera firmware.

Current version is displayed. See P.16 for the setting procedure in the SETUP menu. Settings, notes OFF : Operations must be performed via the camera's own buttons. ON: Operations may be performed via the remote control of the VIERA Link-compatible device.

(Not all operations will be available.) Operability of the camera's own buttons will be limited. · Works when connected via an HDMI mini cable (sold separately). Item DEMO MODE View demonstration of functions. Settings, notes JITTER, SUBJ. MOVE DEMO.: (Only during recording) Extent of jitter and of subject movement are shown on graph. (Estimate) Large Small Large Jitter Movement detection · When the REC/PLAY switch is , a guidance message is displayed that asks the user to switch to . · To stop Press display button (P.10).

· Recording and zoom cannot be performed during demo. · Use the movement detection demo with objects with contrasting colouring. AUTO DEMO : View introductory slideshow OFF/ON · To close Press MENU/SET' · If the camera is left switched on while connected to the AC adaptor (sold separately) and with no card inserted, the demo will automatically begin whenever no operations are performed for approx. 2 minutes. FORMAT Use when BUILT-IN MEMORY ERROR' or MEMORY CARD ERROR' appears, or when formatting the built-in memory or card. When a card/built-in memory is formatted, the data cannot be restored. Check the content of the card/ built-in memory carefully before formatting. LANGUAGE Change display language. YES/NO · This requires a sufficiently charged battery (P.11) or AC adaptor (optional).

(Only inserted card will be formatted if present; built-in memory will be formatted if no card is inserted.) · Always format cards with this camera. · All picture data including protected pictures will be deleted. (P.95) · Do not turn off power or perform other operations during formatting.

· Consult your nearest Service Centre if format cannot be successfully completed. · Formatting the built-in memory may take several minutes. Set the language displayed on the screen. 24 VQT2C11 The VIERA Link' menu item is not available in the DMC-TZ6/DMC-ZS1. VQT2C11 25 Basic shooting operation Turn on the power Status indicator illuminated for approx. 1 second. Shutter button Please set the clock before shooting (P.15). Holding the camera/Direction detection function Flash AF assist lamp · Stand with your arms close to your body and with your legs apart. · Do not touch the lens. · Do not block the microphone when recording audio. (P.10) · Do not block the flash or the lamp. Do not look at it from close range. · Pictures taken with camera held vertically can automatically be displayed vertically in playback.

(Only when ROTATE DISP.' (P.92) is set to ON') Pictures may not be able to be displayed vertically if taken with camera facing upwards or downwards. Motion pictures cannot be displayed vertically during playback. Set to : Pictures and motion pictures can be taken. : The captured pictures and motion pictures can be played back. Status indicator Motion picture button · Motion pictures can be recorded immediately by pressing the motion picture button. Set to the desired recording mode Mode dial Aim the camera and shoot Taking still pictures Press the shutter button Gently press the shutter button Press halfway (Adjust the focus) Press and hold the shutter button to take picture Press fully Recording motion pictures Press the motion picture button Press the motion picture button to start recording Align to correct mode The current mode will be displayed on the LCD monitor when the mode dial is turned. INTELLIGENT AUTO Mode Press the motion picture button again to finish recording Take images with automatic settings (P.30).

NORMAL PICTURE Mode Take images with customized settings (P.33). MY SCN MODE Taking images in frequently-used scene modes (P.58). Take images according to scene (P.49). Take pictures as memos (P.79). · Motion pictures cannot be recorded in (CLIPBOARD mode). (P.59) SCENE MODE CLIPBOARD Mode 26 VQT2C11 For the operating procedures for the DMC-TZ6/DMC-ZS1, see P.28. VQT2C11 27 Basic shooting operation Turn on the power Status indicator illuminated for approx. 1 second. Shutter button Please set the clock before shooting (P.15). Holding the camera/Direction detection function Flash AF assist lamp · Stand with your arms close to your body and with your legs apart. · Do not touch the lens. · Do not block the microphone when recording audio. (P.10) · Do not block the flash or the lamp. Do not look at it from close range. · Pictures taken with camera held vertically can automatically be displayed vertically in playback. (Only when ROTATE DISP.' (P.92) is set to ON') Pictures may not be able to be displayed vertically if taken with camera facing upwards or downwards. Motion pictures cannot be displayed vertically during playback. Set to : Pictures and motion pictures can be taken. : The captured pictures and motion pictures can be played back. Set to the desired recording mode Status indicator Mode dial Aim the camera and shoot (Press the shutter button) Press halfway (Adjust the focus) Press fully When recording motion pictures, fully press the shutter button one more time to end recording. Align to correct mode The current mode will be displayed on the LCD monitor when the mode dial is turned. INTELLIGENT AUTO Mode Take pictures with automatic settings (P.30). NORMAL PICTURE Mode Take pictures with customized settings (P.33).

MY SCENE MODE SCENE MODE MOTION PICTURE Mode CLIPBOARD Mode Taking pictures in frequently-used scene modes (P.



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58). Take pictures according to scene (P.49). Take motion pictures (P.

62). Take pictures as memos (P.79). 28 VQT2C11 For the operating procedures for the DMC-TZ7/DMC-ZS3, see P.26. VQT2C11 29 Taking picture with automatic settings INTELLIGENT AUTO Mode' Mode: Optimum settings are made automatically from information such as 'face', 'movement', 'brightness', and 'distance' just by pointing the camera at the subject, meaning that clear pictures can be taken without the need to make settings manually. Turn on the power Shutter button Status indicator illuminated for approx. 1 second. Backlight compensation Backlight refers to the light that shines from behind the subject. When this occurs, the subject appears darker, and so backlighting is automatically corrected by increasing the brightness of the entire image.

Set to To use flash Select either (Auto) or (forced flash off). When using , (AUTO), (Auto/red-eye reduction) and (Slow sync./red-eye reduction) will be switched between automatically (see P.41 for details). A second flash will be emitted in and for red-eye reduction. Set to Status indicator (INTELLIGENT AUTO Mode) Automatic scene detection Camera reads scene when pointed at subject, and makes optimum settings automatically. · During AF tracking (P.32), the optimum scene is automatically selected for the subject where the focus was locked (AF Lock). Recognises ' PORTRAIT' Follows face to take clear, bright pictures. Recognises ' SCENERY' Takes sharp pictures of near and far landscapes.

Recognises ' MACRO' Reads distance to take sharp pictures of close subjects Recognises ' NIGHT PORTRAIT' Takes bright, natural pictures of people and night scenery. (Only with) Recognises ' NIGHT SCENERY' Uses slow shutter speed to achieve) natural colouring.(Only with Recognises ' BABY' (P.32) Recognises movement Reads subject movement to avoid blurring when scene does not correspond to any of the above. Take a picture Focus display (when focus aligned: flashing illuminated) Recognized scene icon displayed in blue for 2 sec.

Press halfway (Adjust the focus) Press fully To take motion pictures (P.59) Focus range (P.45). In addition to automatic scene detection, INTELLIGENT ISO', 'EXPOSURE', and ' BACKLIGHT COMPENSATION' will operate automatically.

The following menu items may be set in INTELLIGENT AUTO Mode. · (REC menu): 'PICTURE SIZE 1', 'BURST', 'COLOR MODE 1', 'FACE RECOG. 1' · (MOTION PICTURE menu): 'REC MODE', 'REC QUALITY 1', 'COLOR MODE 1' · (SETUP menu 2): 'CLOCK SET', 'WORLD TIME', 'BEEP 1', 'LANGUAGE' 1 Items that may be set differ from other recording modes. 2 Other items in the SETUP menu will reflect settings made in other recording modes. According to the following conditions, different scene types may be determined for the same subject. · Face contrast, conditions of subject (size, distance, colouring, movement), zoom ratio, sunset, sunrise, low brightness, jitter If desired scene type is not selected, we recommend manually selecting the appropriate recording mode. (scene mode: P.49) We recommend using a tripod and the self-timer with ' NIGHT SCENERY' and e.g. Face too large ' PORTRAIT' becomes ' MACRO' ' NIGHT PORTRAIT'.

When jitter is small (e.g. using tripod) with ' NIGHT SCENERY', shutter speed can reach a maximum of 8 seconds. Do not move the camera. The settings for the following functions are fixed. · AUTO REVIEW: 2 SEC. · POWER SAVE: 5 MIN. · GUIDE LINE: · WHITE BALANCE: AWB · QUALITY: (Fine) · STABILIZER: AUTO · AF MODE: (Face detection) 1 · AF ASSIST LAMP: ON · METERING MODE: (Multiple) · PRE AF: Q-AF 1 (11-area-focusing) when face cannot be recognised The following functions cannot be used. 'HISTOGRAM', 'EXPOSURE', 'AUTO BRACKET', 'MULTI ASPECT', 'WB ADJUST.', 'DIGITAL ZOOM', 'MIN.

SHTR SPEED', 'AUDIO REC.' VQT2C11 30 VQT2C11 31 Taking picture with automatic settings INTELLIGENT AUTO mode' (Continued) Mode: Taking pictures with your own settings 'NORMAL PICTURE mode' Mode: Using REC menu (P.67) to change settings and set up your own recording environment. Face Detection and Face Recognition If the camera automatically identifies the scene and determines that people appear as subjects in the image (or), Face Detection is activated, and the focus and exposure are adjusted for the recognised faces. (P.

71) Turn on the power Shutter button Zoom lever Status indicator illuminated for approx. 1 second. Face Recognition The faces of people who are taken frequently can be registered together with their names, ages, and other information. If pictures are taken with 'FACE RECOG.' (P.

63) set to 'ON', priority is given to the focus and exposure adjustments of the faces close to those that have been registered. Also, the camera memorises detected faces during Face Detection, automatically recognises faces which are taken frequently, and displays them on the face registration screen. Face Recognition searches for faces close to those that have been registered. Correct recognition of faces cannot be guaranteed. In some cases, the camera may be unable to correctly distinguish between people with similar facial characteristics, such as parents and children and brothers and sisters. When using Face Recognition, the facial characteristics are extracted for performing recognition, and so this process takes longer than regular Face Detection. For subjects registered as newborns and infants (people with birthdays set to less than 3 years), is displayed, and the picture will be taken to give the skin a more healthy appearance. Set to Set to Status indicator (NORMAL PICTURE mode) To take motion pictures (P.59) AF TRACKING Even if a subject where the focus was locked (AF Lock) moves, the camera can continue to keep it in focus. To use zoom (P.

35) (P.41) (P.47) (P.43) (P.70) Take a picture Focus display (when focus aligned: flashing illuminated) To use flash To adjust image brightness To take close-up pictures Press halfway (Adjust the focus) Set AF MODE to AF tracking · To cancel AF tracking Press again. AF tracking frame To adjust colouring Press fully AF area (Aligns focus with subject; when complete: red/white green) Align the AF tracking frame with the subject, and then lock. · To cancel AF Lock Press. · The optimum scene is detected for the subject where the focus was locked (AF Lock). AF Lock successful: Yellow AF Lock failed: Red (flash) Face recognition will be inactive while using AF tracking. Please refer to P.

71 if AF Lock is not successful for certain objects. When (jitter alert) is displayed, use the optical image stabilizer (P.75), a tripod, or the self-timer (P.



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46). If aperture value or shutter speed is displayed in red, correct exposure has not been achieved.

Use flash or change 'SENSITIVITY' (P.69) settings. Aperture value Jitter alert display Shutter speed VQT2C11 32 VQT2C11 33 Taking pictures with your own settings 'NORMAL PICTURE mode' (Continued) Mode: Taking pictures/motion pictures with zoom Mode: You can zoom in up to 12 times with 'optical zoom', and up to 21.4 times with 'Extra optical zoom' (pictures only) with lower picture quality. You can also use 'digital zoom' to zoom in even further. Do not block the lens barrel movement while zooming. Align focus for desired composition Useful when subject is not in centre of picture. First adjust focus according to subject Subjects/environments which may make focusing difficult: · Fast-moving or extremely bright objects, or objects with no colour contrast. · Taking pictures through glass or near objects emitting light. In dark, or with significant jitter. · When too close to object or when taking pictures of both distant and close objects together in the same picture. We recommend using the 'Face detection' function when taking pictures of people (P.71). Zoom In/Out Restore Turn to W side Enlarge Turn to T side Focus range (P.45) Zoom ratio (approx.

) Hold down halfway AF area Zoom bar Zoom speed can be adjusted. Zoom slowly turn slightly Zoom quickly turn completely Adjust the focus after adjusting the zoom. Return to desired composition Optical zoom and extra optical zoom (EZ) Automatically switches to 'optical zoom' when using maximum picture size (P.67), and to 'extra optical zoom' (for further zooming) otherwise. (EZ is short for 'extra optical zoom'.) p · Optical zoom · Extra optical zoom Press fully AF area Zoom bar (displayed) Max. enlargement: 12 x Focus display Max. enlargement: 14.3 x - 21.4 x (Varies according to picture size.

) The focus display flashes and beep sounds when focus is not aligned. Use the focus range displayed in red (P.45) as a reference. Even if the focus display is lit, the camera may be unable to bring the subject into focus if it is out of range. AF area is displayed larger in dark conditions or when using digital zoom.

Most displays are temporarily cleared from screen when the shutter button is pressed halfway. Focus range 34 VQT2C11 VQT2C11 35 Taking pictures/motion pictures with zoom (Continued) Mode: Maximum zoom ratios by picture size Optical zoom PICTURE SIZE Max. enlargement PICTURE SIZE Max. enlargement 10 M 9.5 M 9M 12 x 10 M 9M 7.

5 M 12 x 7M 6.5 M 6M 14.3 x 7M 6M 5.5 M 14.3 x 5M 4.5 M 4.5 M 17.1 x 5M 4.5 M 3.5 M 17.

1 x 3M Extra optical zoom 3M 3M 2.5 M 2M 2.5 M 2M 21.4 x 2M 2.5 M 2M 21. 4 x 0.3 M 0.3 M Enlarging further 'DIGITAL ZOOM' Zoom 4 times further than optical/extra optical zoom (maximum 48 x 85.5 x). (Note that, with digital zoom, enlarging will lessen picture quality.

) Display REC menu Select 'ON' What is Extra optical zoom (EZ)? If, for example, set to '3M' (equivalent to 3 million pixels), a picture will only be taken of a 3M-sized central part of a 10M (equivalent to 10.1 million pixels) area, meaning that the picture can be enlarged further. Select 'DIGITAL ZOOM' Finish The enlargement ratio displayed in the bar on screen is an estimate. In certain recording modes, TELE MACRO function (P.43) is activated when maximum zoom ratio is reached.

A greater degree of distortion may be generated by taking wider-angled pictures of close objects, while using more telescopic zoom may result in more colouring appearing around the outlines of objects. The camera may make a rattling noise and vibrate when the zoom lever is operated this is not a fault. When using extra optical zoom, zoom movement may stop momentarily near maximum W (1x), but this is not a fault. Extra optical zoom cannot be used in the following cases: 'MACRO ZOOM', motion picture, 'TRANSFORM' 'HIGH SENS.', 'HI-SPEED BURST', 'FLASH BURST', 'PIN HOLE', and 'FILM GRAIN' scene modes 'ZOOM RESUME' (P.

22) allows zoom ratio to be memorised even if power is turned off. Digital zoom area is displayed within zoom bar on screen. e.g. With 48x Digital zoom area · Zoom motion stops momentarily when entering digital zoom range. · Within digital zoom range, AF area is displayed larger when the shutter button is pressed halfway. · We recommend using a tripod and the self-timer (P.46). Digital zoom cannot be used in the following modes: (INTELLIGENT AUTO mode), (CLIPBOARD mode), scene modes ('SPORTS', 'BABY', 'PET', 'HIGH SENS.', 'HI-SPEED BURST', 'FLASH BURST', 'PIN HOLE', and 'FILM GRAIN'), when 'INTELLIGENT ISO' is not set to 'OFF' 36 VQT2C11 VQT2C11 37 Viewing your pictures (NORMAL PLAY) REC/PLAY switch: When there is no card inserted, the pictures played back from the built-in memory.

(Clipboard pictures can only be played back in CLIPBOARD mode (P.79).) Zoom lever Deleting pictures REC/PLAY switch: Pictures deleted will be from card if card is inserted, or from built-in memory if the card is not inserted. Deleted pictures cannot be recovered. Set to Set to Press to delete displayed picture Select 'YES' Scroll through pictures File number Picture number/ Total pictures Previous Next DISPLAY Use a sufficiently charged battery or an AC adaptor (optional). · Do not turn off the power during deletion. DISPLAY To enlarge (playback zoom) Hold down to quickly scroll forwards/ backwards. (Only file numbers change while held down; picture is displayed when released) Scroll speed increases the longer you press. (Speed may vary according to playback conditions) If file number is not displayed, press display button. After the final picture, display returns to the first picture.

Some pictures edited on computer may not be able to be viewed on this camera. If the REC/PLAY switch is moved from to while the power is on, the lens barrel will be retracted after approx. 15 seconds. This camera is compliant with the unified DCF (Design rule for Camera File system) standard formulated by the Japan Electronics and Information Technology Industries Association (JEITA), and with Exif (Exchangeable image file format). Files that are not DCF-compliant cannot be played back.

To delete multiple (up to 50) or all pictures (after step) Select type of deletion · To use 'DELETE ALL' go to step Delete Turn to T side Select 'YES' Current zoom position (displayed for 1 sec.) · Zoom ratio: 1x/2x/4x/8x/16x · To reduce zoom Turn lever towards W side · Move zoom position Select the pictures to delete (Repeat) · To release Press DISPLAY again Picture selected · To cancel press 'MENU/SET'. · May take time depending on number of pictures deleted.



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· ALL DELETE EXCEPT (FAVORITE)' may be selected in 'DELETE ALL' when 'FAVORITE' is set to 'ON' (P.93) and pictures have been registered. To playback as list (P.81) (slideshow, etc.) (P.83) To view with different playback modes To playback motion pictures (P.82) Pictures cannot be deleted in the following cases: · Protected pictures (P.95) · Card switch is in 'LOCK' position. · Pictures not of DCF standard (P.38) Motion pictures can also be deleted. To delete clipboard pictures, set mode dial to . To delete all data including protected images, perform FORMAT.

(P.24) VQT2C11 38 VQT2C11 39 Changing recording information display Change between different LCD monitor displays, such as histograms. Taking pictures with flash Mode: Display 'FLASH' Press to change display In recording mode Recording information 1 Select the desired type Motion picture recording information 1, 2 No display Guide lines 1, 3 In playback mode Recording information Recording No display or histogram 1 information 1 Set 'HISTOGRAM' to 'ON' to display histogram (P.20). Return to the 'Recording information' display by pressing the shutter button halfway. · Displayed when recording motion pictures instead of the left screen. 3 Select guide line pattern and recording information display on/off with 'GUIDE LINE' setting (P.20). 2- Stand at least 1 m away when using flash to take pictures of infants. Displayed for approx.

5 sec. Can also be selected with . Uses Normal use Taking pictures of subjects in dark places Histogram Displays distribution of brightness in picture e.g. if the graph peaks at the right, this means there are (Example) several bright areas in the picture. (Guide) A peak in the centre represents correct brightness (correct exposure). This can be used as a reference for exposure correction (P.47), etc. · Histogram from time of recording is different to histogram in playback and displayed in orange, when recording with flash or in dark locations. Also, histogram may differ from Dark OK histograms made with image editing software.

· Histograms cannot be displayed in (INTELLIGENT AUTO mode), (CLIPBOARD mode), MULTI ASPECT , or during playback zoom. · This is not displayed during motion picture recording. · When is in use, recording information and guide lines cannot be displayed simultaneously. Bright 1 When Type, operations AUTO · Automatically judges whether or not to flash AUTO/RED-EYE reduction 1 · Automatically judges whether or not to flash (reduce red-eye) FORCED FLASH ON · Always flash FORCED ON/RED-EYE reduction 1 (For 'PARTY' and 'CANDLE LIGHT' scene modes only (P.52)) · Always flash (reduce red-eye) SLOW SYNC./RED-EYE reduction 1 · Automatically judges whether or not to flash (reduce red eye; slow shutter speed to take brighter pictures) FORCED FLASH OFF · Never flash Taking pictures with backlight or under bright lighting (e.g. fluorescent) Taking pictures of subjects against a nightscape (tripod recommended) Places where flash use is prohibited Guide lines · Reference for composition (e.g. balance) when recording.

· INTELLIGENT AUTO mode and CLIPBOARD mode display only. · This is not displayed in 'MULTI ASPECT' mode. Judge balance Judge centre of subject digital red-eye correction function operates, red-eye will be detected and corrected automatically when the flash is emitted. As two flashes will be emitted, do not move until after the second flash (correction effect may vary according to person). Interval between flashes varies according to brightness of subject. During playback zoom, motion picture playback, slideshow: Display on/off During menu display, multi playback or calendar playback: Display cannot be changed. Shutter speeds are as follows: · , , , : 1/30 2 - 1/2000th · , : 1/8 2, 3 - 1/2000th 2 Varies according to 'MIN. SHTR SPEED' setting. 3 Max. 1/4 sec. when 'INTELLIGENT ISO' in use; max. 1 sec. when 'STABILIZER' set to 'OFF' or when blur is insignificant. Also varies according to 'INTELLIGENT AUTO' mode, 'SCENE MODE', zoom position. VQT2C11 40 VQT2C11 41 Taking pictures with flash (Continued) Mode: Taking close-up pictures/motion pictures Mode: When you want to enlarge the subject, setting to 'AF MACRO ()' enables you to take images at an even closer distance than the normal focus range (up to 3 cm for max.

W). Available types in each mode (----- : default setting) SCENE MODE ----- (SLOW SYNC./RED-EYE Display 'MACRO MODE' Select 'AF MACRO' Set to (AUTO), (AUTO/RED-EYE reduction), or reduction) according to subject and brightness. · The flash cannot be used when recording motion pictures, scene mode, , , or , , . Focus range according to ISO sensitivity and zoom Focus range Max. W Max. T Approx. 0.6-5.3 m Approx. 1.0-3.6 m Approx. 0.6-1.

5 m Approx. 1.0 m Approx. 0.6-1.6 m Approx. 1.0-1.1 m Approx. 0.6-2.3 m Approx. 1.0-1.6 m Approx. 0.6-3.3 m Approx. 1.0-2.2 m Approx. 0.8-4.7 m Approx. 1.0-3.2 m Approx. 1.15-6.7 m Approx.

1.0-4.5 m Approx. 0.6-3.3 m Approx. 1.0-2.2 m Approx. 0.8-4.7 m Approx. 1.0-3.2 m Approx. 1.15-6.7 m Approx. 1.0-4.5 m Approx. 1.15-13.5 m Approx. 0.6-3.4 m Approx. 1.0-9.1 m Approx.

1.0-2.3 m SENSITIVITY (P.69) INTELLIGENT ISO (P.68) 'HIGH SENS.' in SCENE MODE (P.54) 'FLASH BURST' in SCENE MODE (P.55) AUTO ISO80 ISO100 ISO200 ISO400 ISO800 ISO1600 ISOMAX400 ISOMAX800 ISOMAX1600 ISO1600ISO6400 ISO100-ISO3200 Focus may take time to align for subjects over 50 cm away. When using (INTELLIGENT AUTO mode), macro recording can be activated by just pointing the camera at subject. (display) 'AF MACRO' automatically activates when 'AF MODE' is set to ('AF tracking).

(is not displayed.) Displayed for approx. 5 sec. Take an image display Taking close-up images without standing close to subject 'TELE MACRO' function Useful for taking close-up pictures of, for example, birds that may fly away if approached, or to blur background and emphasize subject. 'TELE MACRO' operates automatically when optical or extended zoom optical ratios are close to the maximum T setting (10x or above for optical zoom). The focus can be aligned for distances as close as 1m. Digital zoom may also be used. This function also operates when taking pictures in the following scene modes. 'FOOD', 'CANDLE LIGHT', 'BABY', 'HIGH SENS.', 'UNDERWATER', 'PET', 'HI-SPEED BURST', 'FLASH BURST', 'PIN HOLE', 'FILM GRAIN' changes to VQT2C11 Do not touch or look at the flash (P.

10) from close distances (i.e. a few cm). Do not use the flash at close distances to other subjects (heat/light may damage subject). Flash settings may be changed when changing recording mode. Scene mode flash settings are restored to default when scene mode is changed.



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Edges of picture may become slightly dark if using flash at short distances without using zoom (close to max. W). This may be remedied by using a little zoom. If flash is to be emitted, flash type marks (e.

g.) will turn red when shutter button is pressed halfway. No pictures may be taken if these marks (e.g.) are flashing (flash is charging). Insufficient flash reach may be due to inadequately set exposure or white balance. Flash effect may not be fully achieved with high shutter speeds. Flash charging may take time if battery is low, or if using flash repeatedly. Turn to max. T 42 VQT2C11 43 Taking close-up pictures/motion pictures (Continued) Mode: Positioning camera and subject within accessible range for focus alignment Focus range for (NORMAL PICTURE mode) Focus range Taking images at even closer range 'MACRO ZOOM' To take even larger images of the subject, setting to 'MACRO ZOOM' enables the subject to appear even larger than when using AF MACRO.

Display 'MACRO MODE' Zoom lever Distance between the lens and the subject 1 x (max.W) 3 cm 50 cm 1m 2m 3 cm - 50 cm - 20 cm - 50 cm - 50 cm - 50 cm - 1m- 1m- 2m- 2m- 1.5 m - 2m- 1m- 2m- Select 'MACRO ZOOM' 2x 3x 4x 5x - 8x 9x 10 x - 12 x When a subject is too close to the camera, the image may not be properly focused. Displayed for approx. 5 sec.

Adjust the digital zoom magnification with the zoom lever The zoom position is fixed at the Wide end. Focus range is 3 cm - . Return Enlarge Zoom ratio 1 (max.T) : Focus range when : Focus range when 1 Focus 2 The 'AF MACRO' is set 'AF MACRO' is off 2 3 Digital zoom magnification (1x to 3x) Take an image In MACRO ZOOM, higher magnification results in lower picture quality. When set to MACRO ZOOM, extra optical zoom is cancelled.

'MACRO ZOOM' setting cannot be used while recording in 'MULTI ASPECT' mode. We recommend using a tripod, the self-timer (P.46), and flash 'FORCED FLASH OFF' (P.41). Moving the camera after aligning the focus is likely to result in poorly focused pictures if subject is close to camera, due to margin for focus alignment being severely reduced. Resolution may be reduced around the edges of the picture. range varies depending on the zoom ratio. focus range is identical under the following settings. · (INTELLIGENT AUTO mode) · (CLIPBOARD mode) · FOOD, CANDLE LIGHT, BABY, HIGH SENS., UNDERWATER, PET, HI-SPEED BURST, PIN HOLE, FILM GRAIN in SCENE mode (AF MACRO) in (MOTION PICTURE mode) · When set to 3 The focus range is identical under the following settings.

· PORTRAIT, SOFT SKIN, TRANSFORM, PANORAMA ASSIST, SPORTS, PARTY, SUNSET, STARRY SKY, BEACH, SNOW in Scene Mode · When not set to (AF MACRO) in (MOTION PICTURE mode) Zoom ratios are approximate. Ranges for focus alignment differ for scene modes. Zoom ratios shown above vary when extra optical zoom is used. Max. W: Zoom lever turned as far as possible to W side (no zoom) Max. T: Zoom lever turned as far as possible to T side (maximum zoom ratio) VQT2C11 44 VQT2C11 45 Taking images with self-timer Mode: We recommend using a tripod. This is also effective for correcting jitter when pressing the shutter button, by setting the self timer to 2 seconds. Taking pictures/motion pictures with exposure compensation Mode: Corrects exposure when adequate exposure cannot be obtained (if difference between brightness of object and background, etc.). Depending on the brightness, this may not be possible in some cases.

EXPOSURE only Display 'SELFTIMER' EXPOSURE Display 'EXPOSURE' Select time duration Select a value '0' (no compensation) Example of exposure compensation Over-exposed Minus direction Optimum exposure Displayed for approx. 5 sec. Can also be selected with . Plus direction Under-exposed Take an image Press fully the shutter button to start recording after the preset time. AUTO BRACKET (Pictures only) Takes 3 pictures in succession, changing the exposure.

After exposure compensation, the compensation value is as standard. Display 'AUTO BRACKET' · To cancel while in operation Press 'MENU/SET' Self-timer indicator (Flashes for set duration) Press twice to switch 'EXPOSURE' to 'AUTO BRACKET'. e.g. AUTO BRACKET with ±1EV First picture 0EV (Standard) Second picture -1EV (Darker) Third picture +1EV (Brighter) Select a value '0' (no compensation) When set to BURST, three pictures are taken.

When set to the 'FLASH BURST' scene mode, five pictures are taken. Focus will be automatically adjusted immediately before recording if shutter button is pressed fully here. After self-timer lamp stops flashing, it may then be lit for AF assist lamp. This function cannot be used in the 'UNDERWATER' and 'HI-SPEED BURST' scene modes, or in (MOTION PICTURE mode) . In some modes, only '2SEC.' or only '10SEC.' may be selected. INTELLIGENT AUTO mode: '10SEC.' CLIPBOARD mode, 'SELF PORTRAIT' scene mode: '2SEC.' Value displayed after exposure compensation set Cannot be used with flash or when there is remaining capacity for only 2 more pictures.

When 'AUTO BRACKET' is set, is displayed on the left of the screen. Cancelled when the power is turned off. When AUTO BRACKET is set, 'MULTI ASPECT' and 'BURST' are cancelled. AUTO BRACKET cannot be set in 'TRANSFORM', 'PANORAMA ASSIST', 'HI-SPEED BURST', 'FLASH BURST', 'STARRY SKY', 'PIN HOLE', and 'FILM GRAIN' scene modes. Exposure compensation cannot be used with the 'STARRY SKY' scene mode. VQT2C11 46

VQT2C11 47 Taking pictures by automatically changing the aspect ratio 'MULTI ASPECT' Mode: In this mode, pressing the shutter button once automatically takes three pictures in each of three aspect ratios: 4:3, 3:2, and 16:9. (The shutter sound is made only once.) Taking pictures according to the scene 'SCENE MODE' Mode: Using SCENE MODE enables you to take pictures with optimum settings (exposure, colouring, etc.) for given scenes. Display 'AUTO BRACKET' Press twice to switch 'EXPOSURE' to 'AUTO BRACKET'.

Picture size combinations 10M 7M 5M 3M 9.5M 6.5M 4.5M 3M 9M 6M 4.5M 2.

5M Set to Zoom lever Set to 'SCN' (SCENE MODE) Display 'MULTI ASPECT' Each time 'DISPLAY' is pressed, the displayed indicator switches between 'AUTO BRACKET' and 'MULTI ASPECT'. (Example) when is set to 6.5 M, the image sizes and corresponding resolutions are with 7 M, with 6.5 M, and with 6 M. If a smaller picture size is set, the resolution is temporarily set to this value.

DISPLAY MENU/SET Select 'ON' and set. (Press 'MENU/SET' and then press , if scene menu is not displayed) SCENE MENU Select scene To take motion pictures (P.59) Setting frequently-used scenes to the mode dial display MY SCN MODE MY SCENE MODE (P.



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