

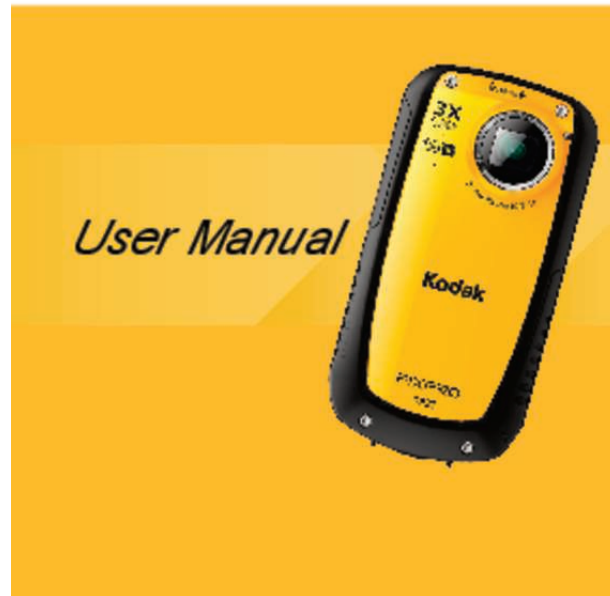


# Your PDF Guides

You can read the recommendations in the user guide, the technical guide or the installation guide for KODAK SPZ1. You'll find the answers to all your questions on the KODAK SPZ1 in the user manual (information, specifications, safety advice, size, accessories, etc.). Detailed instructions for use are in the User's Guide.

User manual KODAK SPZ1  
User guide KODAK SPZ1  
Operating instructions KODAK SPZ1  
Instructions for use KODAK SPZ1  
Instruction manual KODAK SPZ1

**Kodak**  
**PIXPRO SPZ1**  
Digital Camcorder



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**Manual abstract:**

All rights reserved. @@@@However JK Imaging Ltd. reserves the right to make changes without notice. Symbols used in this manual Throughout this manual, the following symbols are used to help you locate information quickly and easily: Indicates important information. Indicates precautions to be taken while operating the digital camcorder. 1 WARNING For Customers in the U.S.A. Tested To Comply With FCC Standards FOR HOME OR OFFICE USE FCC Statement This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) This device must accept any interference received, including interference that may cause undesired operation.

For Customers in Europe "CE" mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. "CE" marked digital camcorders are intended for sales in Europe. This symbol [crossed-out wheeled bin WEEE Annex IV] indicates separate collection of waste electrical and electronic equipment in the European countries. Please do not throw the equipment into the trash. Please recycle this and other electronics responsibly.

2 Declaration of Conformity Responsible Party: JK Imaging Ltd. Address: 1411 W. 190th Street, Suite 550, Gardena, CA 90248, U.S.A.

Company Website: [www.kodakcamera.jkilt.com](http://www.kodakcamera.jkilt.com) 3 SAFETY PRECAUTIONS Digital Camcorder Notes: • Do not store or use the digital camcorder in the following types of locations: 1. In direct sunlight for a long period of time or high temperature (beyond 40°C); 2. In environments with high magnetic fields; • If the digital camcorder will not be used for a long period of time, we suggest you download photos and remove the memory card to prevent losing photos and videos. • If the digital camcorder is taken from a relatively cool environment (lower than 40°C), and placed in a warmer or more humid atmosphere, condensation may occur within the device. We suggest you wait for the unit to warm to room temperature before turning on the digital camcorder. • JK Imaging is not responsible for any loss of data. Memory Card Notes: • When using a new memory card, or a memory card has been initialized by a computer, you might have to format the card if the camera does not recognize it.

Please back up any data on the card as the formatting will erase all data on the card. • Do not directly edit the data on the memory card. Copy the data to your computer before you edit them. • Do not change or delete the folder names or file names on the memory card from your computer, to avoid causing unrecognizable files in the original folder or file in your digital camcorder. • Only remove and insert a memory card when the camera is off, as data loss and/or corruption may occur. • When inserting a memory card, make sure the notch of the card matches the markings on the top of the card slot. 4 LCD Screen Notes: • Due to current LCD manufacturing technology, you may see a few light or dark pixels on your LCD. This is normal. • These light or dark pixels will not affect the quality of the photo or video images you capture. • If the LCD screen is damaged, take particular care with the liquid crystal in the screen.

If any of the following situations arise, take the recommended immediate action indicated below: 1. If liquid crystal comes in contact with your skin, wash thoroughly with soap and running water. 2. If liquid crystal gets into your eye, flush the eye with clean water for at least 15 minutes and then seek immediate medical assistance. 3.

If liquid crystal is swallowed, flush your mouth thoroughly with water and induce vomiting. Seek medical assistance immediately. Please read the following important information carefully before using the product: • Do not disassemble or attempt to service the digital camcorder yourself. • Improper handling may damage the product and will void the warranty. • Turn the digital camcorder off before inserting or removing the a memory card.

• Avoid touching the digital camcorder lens. • Do not expose the digital camcorder lens to direct sunlight for extended periods of time. • Do not use abrasive cleansers, alcohol-based, or solvent based cleaners to clean the digital camcorder body. To clean, wipe the digital camcorder lens with a professional lens cleaning cloth and special cleaning agent made for cameras and electronics. 5 Functions and Notes Waterproof/Dustproof/Shockproof/Freezeproof • The digital camcorder meets JIS/IEC waterproof grade 8 (IPX8) and JIS/IEC dustproof grade 6 (IP6X). Height for shockproof rating is 1.5m. Suitable temperature range for freezeproof capability is -10°C~40°C • The accessories included with the this digital camcorder are not for use in wet conditions. Precautions Before Using • Please make sure that the Micro SD cover and HDMI/USB interface cover (hereinafter referred to as "interface cover") are locked securely. • The rubber mating surfaces on the covers and doors should be clean and free of foreign matter to insure a tight seal.

• Units with damaged rubber waterproofing should not be used in wet conditions. • Do not use this digital camcorder in a geothermal spring. • When using this digital camcorder in water, a wrist strap is highly recommended. Precautions When Using • Do not use the digital camcorder below 5 meters underwater. • Do not use the digital camcorder under water for more than 2 hours. • Avoid dropping the digital camcorder suddenly into water. The Micro SD card cover or interface cover may be open or not closed securely. Always check your digital camcorder carefully before taking it near water. • Do not open the Micro SD cover or interface cover underwater. • If the digital camcorder cannot be turned on due to extenuating circumstances, please contact our customer service center for help.

6 Maintenance Precautions After Using • Wipe the digital camcorder with a clean, dry, lint free cloth. • When the Micro SD cover or interface cover is opened, after underwater use, there may be water drops on the inside of the Micro SD cover or interface cover. • After using the digital camcorder in the water or near sand, mud or other foreign materials, please rinse it with clean water (don't open the Micro SD card cover or interface cover when cleaning). After cleaning, wipe out the digital camcorder with a clean, dry, lint free cloth. • To help ensure the camera's waterproof ability, wipe off any dust, sand or other foreign material from the rubber gaskets and corresponding interface areas.

• Don't use any chemical solvents or agents to clean the camera. Do not use silicone conditioners on the rubber. Damaged rubber, waterproof gaskets with cracks or scratches will allow water or other elements to penetrate the camera.



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Contact customer service for assistance with replacement of parts or the digital camcorder itself. 7 CONTENTS PRECAUTIONS.

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*1 Preface.....*

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.....42 Zoom..

.....digital camcorder with the adapter see figure [ ]; 2. Use the USB cable to connect the digital camcorder to your computer see figure [ ]; Power indicator 1 2 Charging Indicator: Red: Charging Green: Charging complete To ensure maximum battery life, charge the battery for at a minimum of 4 hours the first time. Charge battery only when the digital camcorder is turned off.

Only charge the battery indoors between 0°C and 40°C. If the battery is stored for a long period of time, use the supplied power charger to recharge the battery prior to use. 15 Turning On/Off Press the Power button to turn the digital camcorder on/off. 16 Setting Language and Date/Time Set your Language, Date/Time after the first power-on. 1. When the digital camcorder is turned on by pressing the power button for the first time, the digital camcorder will enter language setting screen. 2. Press to select language. 3. After pressing button to select desired language, the digital camcorder will enter date/time setting screen.

4. Press minute. 5. Press to select and choose field: month, day, year, hour and to adjust value in the selected field. 6. Press button to determine time setting, the digital camcorder will enter shooting screen. 17 Resetting your Language After you set the language for the first time, follow the instructions below to reset your language. 1. Press 2. Press button to enter Func menu.

to select menu. Beep On Power Saver Normal Date/Time 01.01.2013 00:00 World Time Home Language English Set Exit 3. Press button to enter Setting interface. 4. Press Press option. to select menu; to select [ ]Language [ ] 5. Press button to enter Setting interface. 6.

Press to select language. 7. Press button to confirm, press button to return to shooting screen. Beep On English Français Power Saver Normal Español Date/Time .2013 00:00 01.01.2013 00:00 World Time Home Italiano Language English Select 18 Resetting Date/Time After you set the Date/Time for the first time, follow the instructions below to reset date and time. 1. Press 2. Press button to enter Func menu.

to select menu. Beep On Power Saver Normal Date/Time 01.01.2013 00:00 World Time Home Language English Set Exit 3. Press button to enter Setting interface. 4. Press Press option. to select menu; to select [ ]Date/Time [ ] 5. Press button to enter Setting interface. 6.

Press button to select function option, Press button to select setting value; or press button to return to shooting screen. 7. Press button to save the setting, press button to return to shooting screen. Date format is: M-D-Y; Time format is: 24 hour format Date/Time Date Year Hour Minute Save Select 19 BASIC OPERATION Movie Recording This function can take movies. 1. Press Power button to turn the digital camcorder on. 2. Press 3. Press button to begin taking video. button to end the video shooting.

Zoom Function Press • • button to zoom in or zoom out: [ ]Zoom in [ ]Zoom out SD 3.0x 00:01:23 1234 03-01-2013 13:11 20 Image Pixel Set the image resolution desired during video recording. Press to enter Image Pixel Menu, the following options are available: • 1920x1080 30fps • 1440x1080 30fps • 1280x720 60fps • 1280x720 30fps • 640x480 30fps • 320x240 30fps • 640x480 120fps Recording time limit above 1280x720 30 fps format is under 29 minutes. When the video format is set as 640x480 120fps, shooting time is 30 seconds, playback time is 2 minutes. 1920X1080 30fps Image Color Image color setting for video recording. Press to enter Image Color Menu, the following options are available: • Normal • Vivid • Sepia • Black and White • Vignetting • Salon • Dreamy Normal 21 LCD Screen Display Shooting Screen: 1. Battery Status Indicator 2. Memory Card 3. Self-Timer 4. Continuous Shot 5.

Zoom Display 6. Focusing 7. Metering 8. Macro Mode 9. White Balance 10. Color 11. ISO 12. Shooting Date 13. Histogram 14. Shooting Time 15.

emaining Number of Pictures R 16. Image Resolution 17. emaining Video Time R 18. Video Resolution 6 8 10 4 5 7 9 11 03-01-2013 1234 13:11 1.0x 2 SD 1 3 18 17 16 15 12 13 14 22 DISPLAY In the shooting mode, use DISP in the to temporarily remove some screen icons. The two options below will appear to select one. SD SD 1.0x 00:01:23 1234 03-01-2013 13:11 1.0x DISP On DISP Off 23 Video Recording: 1. Zoom Level 2.

Duration of recording/video shooting time. 3. Display for shooting still pictures while recording 4. The number of photos that have been taken 5. The number of available photos remaining 6. Battery status indicator 4 5 1 2 3 00:00:23 12 12 1.0x 6 During the process of recording video, press photos. button to take During use of this function, the number of shots is limited by the file size of the single frames. Animation image quality Corresponding still image qualityt Number of shots available 1920×1080: 30fps 1280×720: 60fps 1280×720: 30fps 1440×1080: 30fps 640×480: 30fps 640×480: 120fps 320×240: 30fps 1920×1080 1280×720 1280×720 1440×1080 640×480 640×480 320× 240 6 10 12 8 48 40 60 24 Vertical 3 2 4 5 6 2 Horizontal 3 4 5 6 12/34 SD 12/34 SD 1 00:01:23 1 00:01:23 01-01 01-01 2013 00:00 2013 00:00 7 7 Playback: 1. Animation/Film length 2.

File Protection 3. Ranking order/number of the current photos 4. SD Memory Card/Built-in Memory Video file reminder display 5. Battery Status Indicator 6. HDR (High Dynamic Range) 7. Shooting Date and Time 25 Video Panorama Mode You can use Video Panorama Mode to take consecutive photos. The digital camcorder will automatically combine them to a super wide angle panorama photo.



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Follow the steps below: 1. Press button to enter video panorama mode. 2.

Press direction button to select shooting direction (the default direction is Right), it will automatically enter shooting mode after 2 seconds. Pressing button can enter the shooting mode immediately. 3. Press button to take a single photo, then the video panorama mode progress box will show on the camera screen. 4. Press the setting direction to move or rotate the digital camcorder. When moving or rotating range meets the setting value, the progress box with an arrow will turn green and blink. When the progress box turns completely green, it indicates the video panorama shooting is complete. 5. The digital camcorder will automatically stitch the photos into a panoramic photo, then preview for 2 seconds after finishing stitching.

Cancel Save Direction Select Press Shutter button and follow the arrow 26 Only horizontal mode can be used for video panorama shooting. During video panorama shooting, press button to pause shooting and save the current picture. Press button to cancel shooting without saving the previous picture. During video panorama shooting, when moving direction or angle of the digital camcorder deviates from the setting value, a warning message Improper alignment. Please try again. will appear on the LCD, and the digital camcorder will save the current photo and return to the shooting mode. 27 PLAYBACK Preview

Photos and Videos You can view photos and videos either vertically or horizontally when in playback mode. 1. Press button. 2.

Vertical: Press button to select the previous /next photo /video; Horizontal: Press button to select the previous /next photo /video. @ Press button to play or pause. @@@@ Press button to magnify photos up to 4x See note below. 4.

Press button to move the position of display area. @ Zoom function can only be used on still images. @@@@ Press button to select the photo/video to be deleted. @@@@5.

Press button to save setting and return to Playback Mode. @@2. Press 3. Press menu. 4. Press button to enter FUNCTION to select menu. @@@@ This mode allows you to focus on subjects very close to the camera. @@@@ to select Function Menu. button to confirm. Press to Enter Play Slide Show Slideshow This setting allows you to view all the stored pictures as a slideshow.

Press button again to stop playing. Stop 36 HDR (High Dynamic Range) Setting With the HDR function, pictures that are overexposed may be corrected to optimize the highlights and lowlights captured to more accurately represent the actual scene. 2 options are available: • Cancel • HDR Cancel Resize This setting allows you to resize a picture to a particular resolution and saves it as a new picture. 3 options are available: • Cancel • Resize to 1024x768 • Resize to 640x480 Cancel 37 Color Effect This setting allows you to change the picture color effect. The file is saved as a new photo and stored in memory together with the original photo. 8 options are available: • Cancel • Vivid • Sepia • Black and White • Vignetting • Salon • Grainy • Dreamy Cancel 38 Photo Setup Mode: 1. Press Menu. 2. Press button to enter Function to select menu. Menu Press to Enter 3.

Press button to enter Setting interface. 4. Press 5. Press menu. to select menu.

to select an option in the 6. Press button to enter the setting interface of selected option. 7. Press button to select function option, press button to confirm and return to the menu; press button to return to the menu or press button to return to the shooting screen. Size Quality Best Anti-shake On Continuous AF On DISP On Set Exit 39 Size The Size Setting refers to the image resolution in pixels.

A higher image resolution allows you to print that image in larger sizes without degrading the image quality. 7 options are available: • 14M : 4320x3240 • 12M-3:2 : 4320x2880(3:2) • 10M-16:9 : 4320x2432(16:9) • 5M : 2592x1944 • 3M : 2048x1536 • 2M-16:9 : 1920x1080(16:9) • VGA : 640x480 Size 14M 14M 12M-3:2 Quality Best 10M-16:9 5M Anti-shake On 3M 2M-16:9 Conts. AF On VGA DISP On Back Quality The Image Quality Menu adjusts the compression ratio of the images. Higher quality settings yield better photos, but will take up more memory space. 3 options are available: • Best • Fine • Normal Size 14M Best Fine Quality Best Normal Anti-shake On Conts. AF On DISP On Back 40 VIS When using VIS (Video Image Stabilization) function to record video, it can improve blurry images caused by hand-held camera shaking. 2 options are available: • On • Off Size 14M On Off Quality Best Anti-shake

On Conts. AF On DISP On Back Continuous AF Set Continuous Auto Focus to on when taking photos. 2 options are available: • On • Off Size 14M On Off Quality Best Anti-shake On Conts. AF On DISP On Back 41 DISPLAY Using the DISP function will set the LCD screen display.

2 options are available: • On • Off Size 14M On Off Quality Best Anti-shake On Conts. AF On DISP On Back Zoom This option is available in the optical and digital zoom settings in shooting. 3 options are available: • Optical/Digital • Optical Only • Digital Only When the optical zoom is started in the underwater video, there is large noise in the video, and it is recommended to use the digital zoom. Zoom Optical Optical/Digital Optical Conts. Shot Only Off Digital Only Self-timer Off Date Imprint Off Quick Review Off Back 42 Continuous Shot Continuously hold down mode; to stop, release 2 options are available: • Off • On Zoom Optical Off On Conts. Shot Off Self-timer Off Date Imprint Off Quick Review Off Back button to enter the continuous shooting button. Self-Timer Using this function can take photos in timed intervals. The digital camcorder can be set to take photos via the self-timer function. Select the desired time from the options below. 4 options are available: • Off • 2sec • 10sec • Smile Zoom Optical Off 2sec Conts.

Shot Off 10sec Smile Self-timer Off Date Imprint Off Quick Review Off Back 43 Date Imprint Saves the date and time data with the picture. 3 options are available: • Off • Date • Date/Time Zoom Optical Off Date Conts. Shot Off Date/Time Self-timer Off Date Imprint Off Quick Review 2 sec Back Quick Review This option allows quick review of the photos immediately after they are taken. Each photo is displayed on the LCD screen based on the selected time. 4 options are available: • Off • 1sec • 2sec • 3sec Zoom Optical Off 1 Shot Conts.

sec Off 2 sec 3 sec Self-timer Off Date Imprint Off Quick Review Off Back 44 General Setup Mode: 1. Press Menu. 2. Press button to enter Function to select menu. Beep On Power Saver Normal Date/Time 01.

01.2013 00:00 World Time Home Language English Set Exit 3. Press button to enter Setting Interface. 4. Press 5.



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Press menu. to select menu. to select an option in the 6. Press button to enter the setting interface of selected option. 7.

Press button to select function option, press button to confirm and return to the menu; press button to return to the menu or press button to return to shooting screen. Format Reset Copy To Card FW Version Set Exit 45 Beep Setup Use Beep Setup to adjust the volume of beep when buttons are pressed. 2 options are available: • On • Off Beep On On Off Power Saver Normal Date/Time .2013 00:00 01.01.2013 00:00 World Time Home Language English Power Saver Use the Power Saver function to prolong battery life between charges. 3 options are available: •Auto •Normal •Best Beep On Auto Normal Power Saver Normal Best Date/Time .2013 00:00 01.01.2013 00:00 World Time Home Language English 46 Time Setting The digital camcorder time can be set with this option. Refer to page 19 for time setting Date/Time Date Year Hour Minute Save Select World Time When overseas, adjust the World Time setting to the time zone of the city nearest you. 2 options are available: • • Location Travel Target back World Time London, Iceland Confirm 47 Language Setting Select this option to select different language display for the digital camcorder. Refer to page 18 for language setting Beep On English Français Power Saver Normal Español Date/Time .2013 00:00 01.01.

2013 00:00 World Time Home Italiano Language English Select Format Memory Use Format Memory function will delete all data in the storage card and internal memory. 2 options are available: •Cancel •Confirm When there is no memory storage card in the camera, Format Memory will format the digital camcorder's internal memory. If there is a memory card in the camera, Format Memory will only format the memory storage card. Format Doing so will clear all data. Cancel Confirm Set 48 Reset Use the Reset Function to set the digital camcorder to factory default settings.

2 options are available: •Cancel •Confirm eset Reset camera settings to factory defaults. Cancel Confirm Set Copy to Card Use Copy to Card Function to copy the files stored in the internal memory card to storage card. 2 options are available: •Cancel •Confirm Copy To Card Copy files from built-in memory to the memory card. Cancel Confirm Set 49 FW Version Use this option to view the current Firmware Version of the digital camcorder. 2 options are available: •Exit •Update (can update the version with the new version on Micro SD card) The firmware update cannot be completed if the battery is not sufficiently charged. Set FW Version Current Ver.: 1.XX New Ver.: 2.XX Exit Update 50 Playback Setup Mode: 1. Press Mode.

2. Press Menu. 3. Press button to enter the Playback button to enter Function to select menu. Protect Delete 4. Press button to enter Setting Interface. 5. Press menu. to select an option in the Set Exit 2 options are available: • Protect •Delete 51 Protect To prevent any pictures or videos from being accidentally erased, use this setting to lock one or all of the files. 1.

Press to select an option, press button enter Setting Interface. 4 options are available: •One  Lock the selected photo or video if they are unprotected; unlock the selected photo or video if they are protected. Lock all photos or videos. Protect Protect One All Delete Date Folder Reset • All  Back •Date Folder  Lock photos or movies in the date folder. •Reset  Cancel all locked photos or videos.

2. Select Sub-Menu, press button to confirm; and jump to the next image, press button to return to playback screen. 52 Delete You can delete one or all photo/video files. 1. Press to select an option, press button to enter Setting Interface.

@ @ @ @ @ @ If the connection is unsuccessful an error message will display. @ @ If 1080i is not supported, the highest resolution supported by the TV will be selected automatically. The digital camcorder will turn off automatically after pulling HDMI cable out. In the HDMI playback mode, Func menu is shown as following: HDMI only can display playback function, all playback functions showing on the DV also can show on the HDMI. Play Slide Show Press to Enter 54 Enter the Playback Screen: Press button to select the previous/ next photo/video:  Video • Press mode button, enter Function Menu, then press select slide to play , Press button to start /stop slide playback. When the digital camcorder is connected with the HDTV successfully, the playback screen will display on the TV. When video ( ) files appear on the Playback Screen, pressing button will start/stop playing the video. When playing video, the functions of and are the same as playing back video in the digital camcorder (refer to P28). When playing video, press button to pause first, then press button to return to the Single Playback Screen. 00:00:47 00:01:23 12/34 SD 03-25 2013 15:37 00:00:47 00:01:23 55 Connecting to a Computer with USB Copy photos and videos in the digital camcorder to a personal computer by following these steps: 1.

Open USB/HDMI port cover. 2. Use USB cable to connect the digital camcorder and computer. This digital camcorder supports (Windows 2000, Windows XP, Windows Vista, Windows 7, Windows 8, Mac OS). 56 APPENDICES Specifications Design and specifications are subject to change without notice. Active Image Sensor Pixels 14.41 Megapixels Total Image Sensor Pixels Focal Length [35mm film equivalent] F number Lens Lens Construction 15.40 Megapixels [1/2.3"CMOS] 6.0mm (Wide) — 18.

0mm (Tele) [35mm (Wide) — 105mm (Tele)] F2.8 (Wide) — F4.6 (Tele) 9 groups 10 elements Optical Zoom 3x Focusing Range Anti-Handshake Digital Zoom Still Image Number of Recording Pixels Normal: (Wide) 60cm ~ ∞, (Tele) 100cm ~ ∞ Macro: 10cm ~ ∞ (Wide Only) Yes 6x Digital Zoom (Combined Zoom: 18x) 14MP: 4320×3240, (3:2) 12MP: 4320×2880, (16:9) 10MP: 4320×2432, 5MP: 2592×1944, 3MP: 2048×1536, (16:9) 2MP: 1920×1080, 0.3MP: 640×480 1920×1080(30fps), 1440×1080(30fps), 1280×720(60fps), 1280×720(30fps), 640×480(30fps), 320×240(30fps) High-Speed Movie: 640×480(120fps) Still Image in Video The resolution of still photo captured while video recording is same as video resolution Movie 57 Image Compression Still Image File Format Movie Best, Fine, Normal Exif 2.3 (JPEG) Movie Format: MOV (H.

264), Audio: Linear PCM [Stereo] Auto Face, Smile, Blink Yes (Post-Processing) 0°~360° Up to 5m Up to 1.5m Equivalent to JIS/IEC (IP6X) -10°C 2.5inch (230k Pixels) Auto, ISO 100/200/400/800/1600/3200 Single AF, Multi-AF (TTL 9-point), Face-Detection Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE Program AE (AE-Lock Available) 1/2000 ~ 1/4 Seconds Yes Shooting Modes Detection Features HDR Panorama Waterproof Shockproof Dustproof Freeze-proofing LCD Display ISO Sensitivity AF Method Exposure Metering Method Exposure Control Method Shutter Speed Continuous Shooting 58 Single Photo, Index, Slide Show, Date Playback Modes Zoom (Approx.



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x4), FF & REW 2x/4x/8x/16x & Each Frame White Balance Control Auto (AWB), Daylight, Cloudy, Fluorescent, Incandescent, Underwater Internal Memory: Approx. 8MB Recording Media Other Features Jacks Power Shooting Capability (Battery Performance) Operation Environment Dimensions (W×H×D) Weight Micro SD / Micro SDHC Card (Up to 32GB Support) [Nonsupport MMC Card] Multi-Language Support (27 Languages) USB 2.0 (Micro 5 pin USB), HDMI (Type D) Rechargeable Li-ion Battery LB-050, 3.7V 900mAh, In-Camera Charging Approx. 250 Shots (Based on CIPA Standards) Approx. 70 min for Video (@1080p/30fps) Temperature: -10 ~ 40°C, Humidity: 0 ~ 90% Approx. 56.6×110.6×21.7mm (Based on CIPA Standards) Approx. 130g (Body Only) 59 Error Messages Messages Warning! Battery exhausted No Picture Description • Battery is depleted, connect the camera to a power source and wait until fully charged to resume using • There are no pictures or videos on the memory card or in the camera's internal memory • Remove the USB cable or connector after ensuring you have safely disconnected the hardware on your system • Camera is not properly connected to TV or computer. USB mode may be incorrect or USB port may be damaged.

Please try again • Camera cannot recognize such file format • Please don't power the digital camcorder off when upgrading software • Update for software that controls camera was not successfully installed • Software version is incorrect. Please download latest version Pull USB Out Connection Failed File can't be recognized Warning! Don't power off when upgrading! Software update failed 60 Messages Internal memory card full Description • The internal memory is full and cannot store any additional files. Copy files to computer and delete files from camera or insert a new memory card • Memory card is full and cannot store any new files. Copy files to computer and delete files from card or insert a new memory card • This indicates that the SD card exceeded the maximum number of folders (999). This could cause a long read time during the camera's power up. Copy the data to your PC, format the memory card. • Memory card lock is switched to protection mode. Take out the memory card and unlock it • The file has already been edited and cannot be edited again • The memory card is not recognized or failed. Replace with a new memory card or format this card again • Format the memory card as described on page 48 • The firmware cannot be updated without sufficient power. Charge the battery fully before attempting to update firmware Memory card full Exceeded maximum folder number Write protection of memory card File cannot be edited Memory card error The memory card is not formatted Battery exhausted, can't update FW 61 Troubleshooting Problem Digital camcorder will not turn on Digital camcorder turns off suddenly while in operation Photo is blurred Possible causes • Battery low Solution • Charge battery • Battery is dead • Charge battery • Camera was not held steady when pictures were taken • Internal memory or memory card is full • The memory card is not formatted • Still in Playback mode • Suggest using a tripod Cannot take photos • Insert a new memory card, or copy files to computer and delete from memory card • Format the memory card • Return to shooting menu mode Cannot record video • No memory card inserted or memory card is full • Still in Playback mode • Insert a new memory card, or copy files to computer and delete from memory card • Return to the shooting mode 62 The Kodak trademark and trade dress are used under license from Kodak.

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