Declaration of Conformity
Responsible Party: JK Imaging Ltd.
Address: JK Imaging Ltd., 17239 So. Main Street, Gardena, CA 90248 USA
Company Website: kodakpixpro.com

For Customers in the U.S.A.
Tested to Comply with FCC Standards FOR HOME OR OFFICE USE
Warning: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user’s authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications.

However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.
For Customers in Europe

“CE” mark indicates that this product complies with the European requirements for safety, health, environment and customer protection. “CE” marked cameras are intended for sales in Europe.

This symbol [crossed-out wheel bin WEEE Annex IV] indicates separate collection of electrical waste and electronic equipment in the European countries. Please do not throw the equipment into domestic refuse. Please use the return and collection systems available in your country for proper, safe disposal of this product.

About this Manual

Thank you for purchasing this KODAK PIXPRO Digital Camera. Please read this manual carefully and keep it in a safe place for future reference.

- JK Imaging Ltd. reserves all rights of this document. No part of this published manual may be reproduced, transmitted, transcribed, stored in a retrieval system or translated into any language or computer language, in any form, by any means, without the prior written permission of JK Imaging Ltd.

- All trademarks mentioned in this manual are used for identification purposes only and are properties of their respective owners.

- This manual provides you with instructions on how to use your new KODAK PIXPRO Digital Camera. Every effort has been made to ensure that the contents of this manual are accurate, however JK Imaging Ltd. reserves the right to make changes without notice.

- Throughout this manual, the following symbols are used to help you locate information quickly and easily:

  - Indicates useful information.
  - Indicates precautions are to be taken while operating the camera.
SAFETY NOTES

Safety notes for this camera

- Do not drop the camera or allow it to hit solid objects.
- Do not attempt to disassemble or repair the camera.
- To prevent the camera from being damaged by moisture, do not use or store the camera in very humid environments, such as in rain or near bodies of water.
- Do not use or store the camera in dusty places or on a beach to prevent dust or sand from entering the camera, causing possible damage to it.
- Do not use or store the camera in a hot environment or under direct sunlight.
- Do not use or store the camera near a powerful magnetic field, for example near a magnet or transformer.
- Avoid touching the lens of the camera.
- Do not expose the camera to direct sunlight for a long period time.
- If water accidentally comes in contact with the camera, turn the camera off, remove the battery and the memory card, and dry it within 24 hours.

- When you take the camera from a cold environment to a warmer environment, condensation may occur. Please wait for a reasonable period of time before you turn the camera on.
- When you use the camera, remove the battery if it overheats. Wait until the unit cools down.
- Download your photos and remove the memory card when you are going to store the camera for a long period of time.
- If this camera is not in use for a long period of time, please keep it in a dry and clean storage location.
- Before you remove the battery and memory card, the camera should be turned off.
- When you clean the body of the camera, do not use abrasive, alcohol-based or organic cleaners or solvents.
- Use a professional lens cleaning cloth and appropriate cleaner to wipe and clean the lens.
- Our company will not pay compensation for any failure of playback, including pictures or videos damaged or rendered unrecoverable by improper operation.
Safety notes for battery

- If the rechargeable Li-ion battery is used for the camera, only charge it with the supplied battery charger.
- If battery fluid leaks inside the camera, contact our customer service department immediately.
- If battery fluid leaks onto your skin, rinse your skin with clean water and seek immediate medical attention.
- Disposal of used batteries should be carried out in accordance with the local (national or regional) regulations.
- To prevent the battery from being damaged, do not drop the battery or allow it to hit solid objects or to be scratched by foreign objects.
- Do not let the battery come in contact with metal objects (including coins) to avoid short circuiting, discharging, excessive heat, or possible leakage.
- Do not attempt to disassemble the battery.
- Do not expose the battery to water. Always keep the battery contacts dry.
- Do not heat the battery or throw it into a fire to avoid a possible explosion.
- Do not store the battery in a hot environment or in direct sunlight.
- Please use a battery that is the same type as the one included.
- If the rechargeable Li-ion battery in this camera overheats during charging or use, stop charging immediately and wait until it cools down.
- When the camera is stored for a long period of time, remove the battery and keep it in a dry place that is not accessible to the infants and children.
- In a colder environment, the performance of the battery could be noticeably reduced.
- When you install the battery, install it according to the positive and negative markings on the battery compartment. Never force it into the battery compartment.
Safety notes for memory card

- Do not drop the memory card or allow it to hit solid objects to avoid damaging it.
- Do not attempt to disassemble or repair the memory card.
- Do not expose the memory card to water. Always keep it dry.
- Do not remove the memory card when the camera is turned on. Otherwise, the memory card and photo/video files could be damaged.
- Do not directly edit the data on the memory card. Copy the data to your PC before you edit the files.
- When the camera is stored for a long period of time, be sure to download your photos and remove the memory card. Store the memory card in a dry environment.
- Format the memory card using the camera before you use it or insert a new one.

- We suggest buying only well-known, name brand memory cards to ensure peak performance performance and reliability.
- Do not modify the name of the files or folders of the memory card using your PC. Modifying the file names may cause the files to not be recognized on the camera or a possible permanent error may occur.
- A photo taken with the camera will be stored in the folder that is automatically generated on the SD card. Do not store photos that are not taken using this camera in these folders as the pictures cannot be recognized during the playback.
- When you insert a memory card, make sure the notch of the card matches the markings on the top of the card slot.
Other Safety Notes

- Do not disconnect the power or turn the camera off during the update process. Doing so may cause incorrect data to be written and the camera may not power on later.
- Do not hang the neck strap of the camera around the neck of a child.
- When using your camera on an airplane, observe the relevant rules specified by the airline.
- Due to the limitations of manufacturing technology, the LCD screen may have a few dead or bright pixels. These pixels do no effect the quality or performance of the camera, photos or video.
- Do not expose the LCD screen to water. In a humid environment, only wipe it with a soft and dry cleaning cloth.
- If the LCD screen is damaged, pay particular attention to the liquid crystal in the screen. If any of the following situations arise, immediately take the steps listed below:
  1. If liquid crystal comes in contact with your skin, please wipe with a dry cloth, wash thoroughly with soap, and rinse with plenty of clean water.
  2. If liquid crystal gets into your eye, flush the eye immediately with plenty of clean water for at least 15 minutes and then seek medical assistance.
  3. If liquid crystal is swallowed, immediately rinse your mouth thoroughly with clean water and induce vomiting. Seek medical assistance.

Trademark Information

- The terms HDMI, HDMI High-Definition Multimedia Interface, HDMI Trade dress and the HDMI Logos are trademarks or registered trademarks of HDMI Licensing Administrator, Inc.
# CONTENTS

**BEFORE YOU START** ............ 1

**SAFETY NOTES** ................. 3

**CONTENTS** ....................... 7

**GETTING READY** .................. 11

- Accessories Included ............. 11
- Install Lens Cap and Neck Strap ... 12
- Part Names .......................... 13
- Installing Battery and Memory Card 15
- Charging Battery .................... 17
- Turning Camera On and Off ........ 19
- How to Take Pictures ............... 19
- Set your Language, Date/Time ...... 20
  - Set your Language, Date/Time after the First Power-On ..... 20
  - Resetting your Language .......... 20
  - Resetting Date/Time ............... 21

**MODE OVERVIEW** .................. 22

- Display Setting ..................... 22
- LCD Screen Display ................. 23
- Overview of the Screen Icons in Photo Shooting Mode .... 23
- Overview of the Screen Icons in Movie Mode .............. 25
- Overview of the Screen Icons in Playback Mode .......... 26
- Using the Mode Dial ................ 27
- Auto Mode ......................... 28
- Program AE ........................ 29
- Shutter Priority .................... 29
- Aperture Priority ................... 30
- Manual Mode ....................... 30
- Face Beautifier ..................... 31
- Panorama Mode ..................... 32
- Scene Mode ........................ 33
  - Auto Scene Mode (ASCN) ........... 35
- Custom Settings .................... 37
BASIC OPERATION .............. 39
  Using the Zoom Function ........ 39
  Focus Setting ...................... 40
  Macro Mode ....................... 41
  Self-Timer Setting ................. 42
  Flash Mode .......................... 43
  White Balance Setting ............. 44
  Continuous Shot ................... 45
  EV Setting .......................... 46
    Exposure Compensation .......... 46
    ISO .................................. 47
  Shutter Adjustment ............... 47
  Aperture Adjustment ............. 48
  Using Quick Recording .......... 48
  i Button Function Menu .......... 49

PLAYBACK ........................... 50
  Viewing Photos and Videos ....... 50

  Thumbnail View ..................... 51
  Using Zoom Playback ............. 52
  Deleting Photos and Videos ....... 53
  Slideshow .......................... 54

USING THE MENUS .............. 55
  Photo Setup Menu ................. 55
    Expo Metering ..................... 55
    Image Size .......................... 56
    OIS .................................. 56
    Cont. AF ............................. 57
    HDR .................................. 57
    Face Beautifier .................... 58
    Scene ............................... 58
  Photo Shooting Setting Menu .. 60
    Quality ............................ 60
    AF-Assist Beam .................... 61
    Digital Zoom ...................... 61
    Date Imprint ...................... 61
<table>
<thead>
<tr>
<th>Section</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Quick Review</td>
<td>62</td>
</tr>
<tr>
<td>Custom Settings</td>
<td>62</td>
</tr>
<tr>
<td>Face Detection</td>
<td>63</td>
</tr>
<tr>
<td>Movie Menu</td>
<td>64</td>
</tr>
<tr>
<td>Expo Metering</td>
<td>64</td>
</tr>
<tr>
<td>Video Quality</td>
<td>65</td>
</tr>
<tr>
<td>OIS</td>
<td>65</td>
</tr>
<tr>
<td>Movie Setting Menu</td>
<td>66</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>67</td>
</tr>
<tr>
<td>Custom Settings</td>
<td>67</td>
</tr>
<tr>
<td>Playback Menu</td>
<td>68</td>
</tr>
<tr>
<td>Playback</td>
<td>69</td>
</tr>
<tr>
<td>HDR</td>
<td>69</td>
</tr>
<tr>
<td>Red-Eye Reduction</td>
<td>70</td>
</tr>
<tr>
<td>Rotate</td>
<td>71</td>
</tr>
<tr>
<td>Resize</td>
<td>72</td>
</tr>
<tr>
<td>i Button Playback Function</td>
<td>73</td>
</tr>
<tr>
<td>Playback Setting Menu</td>
<td>74</td>
</tr>
<tr>
<td>Protect</td>
<td>75</td>
</tr>
<tr>
<td>Delete</td>
<td>76</td>
</tr>
<tr>
<td>DPOF</td>
<td>77</td>
</tr>
<tr>
<td>Trim</td>
<td>77</td>
</tr>
<tr>
<td>Setup Menu</td>
<td>78</td>
</tr>
<tr>
<td>Sound Settings</td>
<td>79</td>
</tr>
<tr>
<td>Power Saver</td>
<td>79</td>
</tr>
<tr>
<td>Language</td>
<td>80</td>
</tr>
<tr>
<td>Zone</td>
<td>80</td>
</tr>
<tr>
<td>Date/Time</td>
<td>80</td>
</tr>
<tr>
<td>LCD Brightness</td>
<td>80</td>
</tr>
<tr>
<td>File / Software</td>
<td>81</td>
</tr>
<tr>
<td>Format Memory</td>
<td>81</td>
</tr>
<tr>
<td>Copy to Card</td>
<td>82</td>
</tr>
<tr>
<td>File Numbering</td>
<td>82</td>
</tr>
<tr>
<td>Reset</td>
<td>83</td>
</tr>
<tr>
<td>FW Version</td>
<td>83</td>
</tr>
</tbody>
</table>
## CONNECTIONS

- Connecting to a Computer ............ 84
- Setting the USB Mode .............. 84
- Transferring files to your computer ........................................ 85
- Video System ............................................. 86
- Set Eye-Fi SD Card Connection Mode. 87
- Supported HDMI Connections ...... 88
  - Connecting HDMI-Ready TV....... 88
- Connecting to a PictBridge Compatible Printer ................. 89
  - Setting the USB Mode ............ 89
  - Connecting to your Printer ....... 90
- Using the PictBridge Menu .......... 91
  - Print (with Date) ....................... 91
  - Print (without Date) ................. 92
  - Print Index ................................... 93
  - Print DPOF Images ..................... 94
- Exit .......................................................... 94

## APPENDICES

- Specifications .............................................. 95
- Prompts and Warning Messages ..... 99
- Troubleshooting ........................................... 103
GETTING READY

Accessories Included

Your camera box should contain the camera model you purchased along with the following accessories. If anything is missing or appears to be damaged, please contact your retailer first or our customer service center. (Based on sales in different countries regions, the shape of the AC adapter will vary.)

- Rechargeable Li-ion Battery
- AC Adapter
- USB Cable
- Neck Strap
- Lens Cap With Cord
- Quick Start Guide
- Warranty Card
- Service Card
Install lens cap and neck strap
1. Zoom Lever
2. Shutter Button
3. Strap Eyelet
4. Exposure Compensation Button
5. Continuous Shot Button
6. Power Switch
7. AF Assist Beam/Self-Timer Lamp
8. Mode Dial
9. Flash Lamp
10. Flash Button
11. Microphone
12. Speaker
13. Lens
14. I Button
15. Indicator Lamp
16. Fast Video Recording Button
17. Menu Button
18. Micro USB Port
19. Micro HDMI Port
20. AF Button/Arrow Button (Up)
21. Flash Button/Arrow Button (Right)
22. Delete Button/Self-Timer Button/Arrow Button (Down)
23. Display Button
24. Battery Cover
25. Playback Button
26. Tripod Socket
27. Macro Button/Arrow Button (Left)
28. SET Button
29. LCD
Installing Battery and Memory Card

1. Open the battery cover.

2. Insert the battery into the battery slot in the correct position as shown in the following diagram:
3. Insert the memory card into the memory card slot as shown in the diagram below:

4. Close the battery cover.

A standard SD memory card is not included in the camera packaging and needs to be purchased separately. This camera takes a standard (SD/SDHC) memory card. We recommend using a name brand memory card that is Class 4 or higher and has a capacity of 4GB to 32GB. The camera is not compatible with Micro SD, Ultra, Ultra Plus, Extreme, XC, or adapters for any of these other memory cards.

To remove your memory card, open the battery cover, gently press the memory card to eject it and remove it carefully.
Before charging the battery, ensure that the battery is inserted properly and the camera is off.

1. Connect the camera and the power charger using the supplied USB cable. (The plug shape of the power charger may vary depending on the country or region. The actual item may vary from the drawing below).

2. Insert the plug of the power charger into the wall outlet to charge the battery.

The charger is for indoor use only.

After the battery is stored for a long period of time, use the supplied power charger to charge the battery prior to use.
3. When the camera is turned off, you can also connect the camera to your PC using a USB cable to charge the battery.

Charging indicator:
Red: Charging
The indicator will go out once charging is finished.
To have maximum battery life, charge the battery for at least 4 hours the first time.

Please charge the battery indoors between 0°C and 40°C (32°F and 104°F).
Turning Camera On and Off

Slide the power switch to turn on/off the camera.

Press and hold the Playback button to power on and enter Playback mode.

How to Take Pictures

1. Hold the camera securely with both hands, being careful not to block the flash and lens with fingers.
2. Point the lens toward the object you want to take a picture of.
3. Use the zoom lever to select Tele or Wide position to zoom in or out on your subject.
4. Press the shutter button down half-way to allow the camera to focus on your subject.
5. When the frame around your subject turns green and the LCD is focused to your liking, push the shutter button down completely to take the picture.
Set your Language, Date/Time

**Set your Language, Date/Time after the First Power-On**

1. When you turn the camera on for the first time, the language selection screen appears.
2. Press the arrow buttons to select your desired language.
3. After you press the **SET** button to confirm the selection, the Date/Time settings screen appears.
4. Press the left/right arrow button to select the Date/Time to be adjusted: Time is displayed in YYYY:MM:DD / HH:MM.
5. Press the up/down arrow button to adjust the value for the desired Date/Time.
6. Press the **SET** button to confirm the time settings and the snapshot screen appears.

**Resetting your Language**

After you set your language for the first time, follow the instructions below to reset your desired language.

1. Turn the power switch to turn on the camera.
2. Press the button, press the up/down arrow button to select **Language**, and press the **SET** button to enter the menu.
3. Press the up/down arrow button to select 「Language」, and press the **SET** button or right arrow button to enter the menu.
4. Press the up/down arrow button to select 「Language」 and press the **SET** button to confirm.
5. Press the arrow buttons to select your desired language and press the **SET** button to confirm.
6. Press the **SET** button and the snapshot screen appears.
Resetting Date/Time

After you set your Date/Time for the first time, follow the instructions below to reset date and time.

1. Turn the power switch to turn on the camera.

2. Press the button, press the up/down arrow button to select , and press the button to enter the menu.

3. Press the up/down arrow button to select , and press the button or right arrow button to enter the menu.

4. Press the up/down arrow button to select 「Date & Time」 and press the button or right arrow button to enter the menu.

5. Press the left/right arrow button to select the Date/Time to be adjusted: Time is displayed in YYYY:MM:DD / HH:MM.

6. Press the up/down arrow button to press the value for your selected block. After you finish your settings, press the button to confirm.

7. Press the button and the following snapshot screen appears.
Press the button to display the settings: Classic, Full, Off.

Classic: Displays the camera parameters on screen

Full: Camera parameters with Grid and Histogram

Off: Does not display any additional icons on screen
LCD Screen Display

Overview of the screen icons in photo shooting mode

1. Shooting Mode Icons
   - Auto Mode
   - Face Beautifier
   - Program AE
   - Panorama Mode
   - Shutter priority
   - Scene Mode
   - Aperture priority
   - Custom Settings
   - Manual Mode

2. Macro Mode
3. Zoom Display (By turning the Zoom Lever)
4. SD Memory Card/Built-In Memory
5. Battery Status
6. White Balance (Adjustable in PSAM Mode)
7. Color Effect (Adjustable in PSAM Mode)
8. Number of Remaining Shots
9. Image Size
10 Video Quality
11 ISO Value
   (Adjustable in P S A M + Mode)
12 Remaining Recording Time
13 Exposure Compensation (EV value)
   (Adjustable in P S A + Mode)
14 Shutter Speed (Adjustable in S M Mode)
15 Histogram
16 Aperture Value (Adjustable in A M Mode)
17 Image Stabilization
18 Focus Frame
19 Expo Metering
   AiAE
   Spot
   Center
20 AF Mode
   Single-AF
   Multi-AF
   Object Tracking
21 Self-Timer
22 Flash Mode
   Force Off
   Flash Auto
   Force Flash
   Slow Sync.
   Slow Sync. + Red-Eye
   Red-Eye Reduction
23 Continuous Shot
   Single
   Continuous Shot
   3 Shots
   Time-Lapse (30sec/ 1min/ 5min/ 10min)
24 Eye-Fi ON (with signal)
25 HDR (Adjustable in P S A M Mode)
Overview of the Screen Icons in Movie Mode

1 Movie Mode Icons
2 Macro Mode
3 Self-Timer
   Self-timer Off
   Self-timer 10 sec
4 Zoom Display (by turning the Zoom Lever)
5 SD Memory Card/Built-In Memory
6 Battery Status

7 Color Effect
8 Video Quality
9 Remaining Recording time
10 Exposure Compensation (EV value)
11 Image Stabilization
12 Focus Frame
13 Eye-Fi ON (with signal)
14 Expo Metering
   AiAE
   Spot
   Center
15 AF Mode

For optimal video shooting, it is recommended that an SD/SDHC memory card be used. If you shoot video using only the camera's internal memory, the end results may have image jitter, noise and vastly shorter recording times.

Optical Zoom and Digital Zoom can be adjusted (168X in total). Digital Zoom can be adjusted to 4X.
## Overview of the Screen Icons in Playback Mode

<table>
<thead>
<tr>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>DPOF File</td>
</tr>
<tr>
<td>2</td>
<td>File Protection</td>
</tr>
<tr>
<td>3</td>
<td>Memory space (indicating the current number of photos and total number of photos)</td>
</tr>
<tr>
<td>4</td>
<td>SD Memory Card/Built-in Memory</td>
</tr>
<tr>
<td>5</td>
<td>Battery Status</td>
</tr>
<tr>
<td>6</td>
<td>Zoom Magnification Area</td>
</tr>
<tr>
<td>7</td>
<td>Image Zoom Ratios</td>
</tr>
<tr>
<td>8</td>
<td>Image Zone</td>
</tr>
<tr>
<td>9</td>
<td>Shooting Date</td>
</tr>
<tr>
<td>10</td>
<td>Eye-Fi ON (with signal)</td>
</tr>
<tr>
<td>11</td>
<td>Red-Eye Reduction</td>
</tr>
<tr>
<td>12</td>
<td>HDR</td>
</tr>
<tr>
<td>13</td>
<td>Date Folder</td>
</tr>
</tbody>
</table>
Using the Mode Dial

This camera provides a convenient mode dial that allows you to manually switch between different modes with ease. The available modes are listed below:

<table>
<thead>
<tr>
<th>Mode Name</th>
<th>Icon</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto Mode</td>
<td>![Camera Icon]</td>
<td>In this mode, the optimal conditions for taking pictures will be set based on the subject and environment. It is the most commonly used mode for taking pictures.</td>
</tr>
<tr>
<td>Program AE</td>
<td>![P Icon]</td>
<td>Under different scenes, the user can switch the ISO and EV value according to personal preference, the camera can automatically set the shutter speed and aperture value.</td>
</tr>
<tr>
<td>Shutter priority</td>
<td>![S Icon]</td>
<td>Setting allows you to choose a specific shutter speed so the camera will adjust the aperture automatically to ensure correct exposure.</td>
</tr>
<tr>
<td>Aperture priority</td>
<td>![A Icon]</td>
<td>Allows you to choose a specific aperture and the camera will automatically adjust the shutter speed to match it.</td>
</tr>
<tr>
<td>Manual Mode</td>
<td>![M Icon]</td>
<td>Aperture, shutter speed, and ISO can be configured manually in this mode.</td>
</tr>
<tr>
<td>Face Beautifier</td>
<td>![Beauty Icon]</td>
<td>This mode automatically enhances facial features with skin softening touches and eye brightening capabilities.</td>
</tr>
<tr>
<td>Panorama Mode</td>
<td>![Panorama Icon]</td>
<td>You can take a panoramic photo in this mode (up to 180°).</td>
</tr>
<tr>
<td>Scene Mode</td>
<td>![SCN Icon]</td>
<td>Choose from 12 different pre-set scene types and effects for your photos.</td>
</tr>
<tr>
<td>Movie Mode</td>
<td>![Movie Icon]</td>
<td>Record videos.</td>
</tr>
<tr>
<td>Custom Settings</td>
<td>![CS Icon]</td>
<td>The user can store the frequently used shooting modes and parameters and switch to this mode for quick adjustment.</td>
</tr>
</tbody>
</table>
Auto Mode is the easiest mode to take photos. While operating in this mode, the camera automatically optimizes numerous camera settings to adjust your photos and videos for the best possible results.

Follow these steps:
1. Turn the power switch to turn on the camera.
2. Turn the Mode Dial to 📸.
3. Compose your picture in the LCD screen and press the Shutter button halfway down to focus on the subject.
4. The LCD screen will show a green focus frame when the subject is in focus.
5. Press the shutter button all the way down to take pictures.
### Program AE \(P\)

When \(P\) (Program AE) mode is selected, you can adjust the EV value and ISO value.

1. Turn the mode Dial to \(P\) and press the \(\text{button} \) to configure settings.

2. Press the left/right arrow button to select an adjustment item.

3. Press the up/down button to adjust the parameters.

4. Press the \(\text{button} \) to engage the settings and enter the shooting screen.

### Shutter Priority \(S\)

When \(S\) (Shutter Priority) is selected, you can adjust the shutter speed, ISO value, and EV value. The camera automatically sets the aperture value based on the shutter speed value and ISO value to get the most appropriate exposure value.

1. Turn the mode Dial to \(S\) and press the \(\text{button} \) to configure settings.

2. Press the left/right arrow button to select an adjustment item.

3. Press the up/down button to adjust the parameters.

4. Press the \(\text{button} \) to confirm the settings and enter the shooting screen.
Aperture Priority A

When selecting A (Aperture Priority) mode, you can adjust the aperture size / EV value and ISO value. Selecting a large aperture opening will emphasize the point of focus and show a blurry background and foreground. A small aperture opening will keep both the background and main object in clear focus.

1. Turn the mode Dial to A and press the button to configure settings.

2. Press the left/right arrow button to select an adjustment item.
3. Press the up/down button to adjust the parameters.
4. Press the button to confirm the settings and enter the shooting screen.

Manual Mode M

When selecting manual (M) mode, you can set the aperture / shutter speed manually and ISO value.

1. Turn the Mode Dial to M and press the button to configure settings.

2. Press the left/right arrow button to select an adjustment setting.
3. Press the up/down button to adjust the parameters.
4. Press the button to confirm the settings and enter the shooting screen.
In Portrait Mode, the camera is set to automatically adjust camera exposure for realistic portrayal of skin tones.

1. Turn the Mode Dial to select Face Beautifier Mode ( ).

2. Press the button and press the up/down button to select .

3. Press the left/right arrow button to select Face Beautifier effects and press the button to confirm and return to photo shooting mode.

Beautifier Mode has 3 effects:

• Effect 1: Skin Soften

• Effect 2: Skin Soften + Eye Brightening

• Effect 3: Skin Soften + Eye Brightening + Eye Enlargement
Panorama Mode

With Panorama Mode, you can take a series of pictures which will be stitched automatically into a ultra-wide (up to 180°) panoramic picture by the camera.

Follow the steps below:

1. Turn the Mode Dial to Panorama Mode.

2. Press the arrow buttons to select a shooting direction. (The right direction is used as default if you do not make any choice) 2 seconds later, the camera is ready to take pictures. You can also press the button or half press the shutter button to be ready to take pictures.

3. Compose the first view of the panoramic picture on the LCD screen and press the Shutter button to capture the image.

4. When you finish shooting the first photo, two target icons will display on the LCD screen at left and right sides. Move the camera to the right until the round target icon is directly positioned over the square box. The box will turn green when they overlap and the camera will automatically take the next picture. Repeat the same steps for additional shots. Up to 4 frames can be stitched together.

5. If continuous pictures are less than 4 shots, press the button and the camera will stitch the pictures automatically. Press the playback button to enter playback mode to see the effect.
6. If you take 4 pictures, the camera will automatically stitch the pictures. Press the playback button to enter playback mode to see the effect.

Flash Mode, Self-Timer, Macro Mode, and Exposure Compensation are all disabled in Panorama Mode.

In the process of shooting in the panoramic mode, when the LCD screen shows “Improper alignment. Please try again.”, it means that in the process of camera moving, the moving angle is off the green line, shooting can't be done. You will have to try again.

In order to guarantee the shooting effect in the panoramic mode, please keep moving horizontally and reduce the shake in the process of camera movement.

In Panorama mode, up to 4 photos can be captured when the image size is set at 2MP.

**Scene Mode** SCN

You can select an appropriate mode from the 12 scene modes according to the type of environment you are shooting. The camera then configures the most appropriate settings automatically.

Turn the Mode Dial to the Scene Mode to enter the Scene Mode menu. What the LCD screen displays is shown in the screen shot below:

![Scene Mode Menu](image)

Press the arrow buttons to select a scene, and press the SET button to confirm.
<table>
<thead>
<tr>
<th>Scene</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pet Mode</td>
<td>Rapidly identifies pet (dog/cat), capturing the dynamic moment of pet.</td>
</tr>
<tr>
<td>Sunset</td>
<td>For sunsets. Captures subjects in strong sunlight.</td>
</tr>
<tr>
<td>Fireworks</td>
<td>For fireworks at night. Slower shutter speed is adjusted for brilliant images. The use of a tripod is recommended.</td>
</tr>
<tr>
<td>Sport</td>
<td>For fast-moving subjects. Captures sharp, action shots with minimal blur. This mode is not recommended for shooting indoors.</td>
</tr>
<tr>
<td>Night Portrait</td>
<td>For portraits against night scenery.</td>
</tr>
<tr>
<td>Landscape</td>
<td>For landscapes and outdoor shots. Vivid reproduction of greens and blues.</td>
</tr>
<tr>
<td>Portrait</td>
<td>Most suitable for capturing people with focus on their face.</td>
</tr>
<tr>
<td>Snow</td>
<td>For snowy scenes. Reproduces natural, clear white scenes.</td>
</tr>
<tr>
<td>Children</td>
<td>Turns off flash automatically. Avoids disturbing subject, suitable for taking photos of children.</td>
</tr>
<tr>
<td>Party</td>
<td>Suitable for taking indoor party pictures, even under the complicated lighting conditions.</td>
</tr>
<tr>
<td>Night Landscape</td>
<td>For night scenes. The use of a tripod is recommended.</td>
</tr>
<tr>
<td>Auto Scene</td>
<td>Identifies the scene automatically: Person, Backlighting, Landscape, Macro, Night Scene, Night Scene Person, Auto.</td>
</tr>
</tbody>
</table>
Auto Scene Mode (ASCN)

In “ASCN” scene mode, the camera can detect different environments intelligently and automatically select the best scene and photo settings for you. “ASCN” can intelligently detect the following scenes:

<table>
<thead>
<tr>
<th>Icon</th>
<th>Mode Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>🏞️</td>
<td>Landscape Mode</td>
</tr>
<tr>
<td>📸</td>
<td>Portrait Mode</td>
</tr>
<tr>
<td>🌟</td>
<td>Night Portrait</td>
</tr>
<tr>
<td>🕯️</td>
<td>Backlit Portrait</td>
</tr>
<tr>
<td>🌌</td>
<td>Night Landscape Mode</td>
</tr>
<tr>
<td>🌹</td>
<td>Macro Mode</td>
</tr>
<tr>
<td>🎬</td>
<td>Auto Mode</td>
</tr>
</tbody>
</table>

To use "ASCN":
1. Turn the Mode Dial to “SCN” and select “ASCN” mode.
2. Hold the camera steadily and aim at the subject. The optimum scene mode will be selected automatically.
3. Press the shutter button half-way down to focus.
4. Press the shutter button all the way down to take pictures.
<table>
<thead>
<tr>
<th>Mode Name</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Landscape Mode</td>
<td>For landscapes, automatically adjusts the exposure and reproduces vivid green and blue colors.</td>
</tr>
<tr>
<td>Portrait Mode</td>
<td>Most suitable for capturing people with focus on their faces.</td>
</tr>
<tr>
<td>Night Portrait</td>
<td>When you take portraits at night or in low light conditions, ASCN will automatically adjusts the exposure for people and night scenes.</td>
</tr>
<tr>
<td>Backlit Portrait</td>
<td>When the sun or any other light source is behind you, automatically adjusts the foreground exposure to produce the best pictures possible.</td>
</tr>
<tr>
<td>Night Landscape Mode</td>
<td>For night scenes, ASCN automatically increases the ISO value to compensate for low light.</td>
</tr>
<tr>
<td>Macro Mode</td>
<td>To produce more detailed close-ups, automatically engages the camera's Macro Mode and automatically focuses the lens.</td>
</tr>
<tr>
<td>Auto Mode</td>
<td>The camera automatically adjusts the exposure and focus to ensure the best possible pictures.</td>
</tr>
</tbody>
</table>
Custom Settings CS

The user can store the frequently used shooting modes and parameters and switch to this mode for quick adjustment.

**Settings under CS mode (unset state or state after reset):**

1. Turn the mode dial to select the CS mode, and enter the setup screen, as shown in the figure below:

   ![Select one capture mode to define CS.](image)

   - Landscape
   - Save
   - Exit

2. As shown in the above figure, press the left / right arrow buttons to select a scene, and press the SET button to enter the shooting screen.

3. As shown in the above figure, press the button, and choose whether to continue the CS mode setting.

**Settings under non-CS mode:**

1. Select any mode or scene mode to be stored.

2. Set your desired parameters in the current mode.

3. Press the button, press the up/down arrow button to select , and press the SET button to enter the menu.

4. Press up/down arrow button to select , and press the SET button or right arrow button to enter the menu.
5. Press the down arrow button select 「Custom Settings」 and press the SET button or the right arrow button to enter the menu.

6. Select 「Yes」 to save or 「No」 to cancel.

7. Turn the mode dial to switch to the custom settings (CS).

8. The photo settings you stored the last time are invoked.

   - When the CS mode is used for the first time, there is no preset parameter stored in the CS mode.
   - Under the non CS mode, if you need to retain or modify the set parameters (except the parameters in ) in restart or all modes. Please enter the 「Custom Settings」 menu and select 「Yes」 after setup. Otherwise, the parameter settings are not retained in the case of switching on/off or mode switching.
   - If you want to remove the parameter setting of 「Custom Settings」, please see the reset function on page 83 to operate.
Using the Zoom Function

Your camera is equipped with two types of zoom functions: Optical Zoom and Digital Zoom. Toggle the Zoom Lever of the camera to zoom in or out of the subject while taking pictures.

When the Optical Zoom reaches the threshold as Digital Zoom, release and turn the Zoom Lever to T to switch between the Optical Zoom and Digital Zoom.
Focus Setting

In different photo shooting modes, you can select different focus methods.

1. Press the up arrow button (AF) to display the settings screen.

2. Press the left/right to select the following 3 modes:
   - Single-AF: The focus frame appears on the center of the LCD screen to focus on the subject.
   - Multi-AF: The camera automatically focuses the subject in a wide area to find the focus point.
   - Object Tracking: Smart tracking of the object in motion under the focusing shooting.

3. Press the SET button to confirm the settings and exit the menu.

Once enabled, Object Tracking will only work when lens is focused on the object.
Macro Mode

The Macro Setting is ideal for shooting small objects or close-up photos. This mode allows you to focus on subjects very close to the camera.

1. Press the left arrow button (ToLeft) to enter the Macro Menu.

2. Press the left/right to select the following 2 modes:
   
   • **Macro Off**
     Select this option to disable Macro.

   • **Macro On**
     Select this option to make focusing on the object closer to the lens (At the W side, the shooting distance should be more than 1.6 cm).

3. Press the SET button to confirm the settings and exit the menu.
Self-Timer Setting

Use this function to take pictures at pre-set intervals. The camera can be set to shoot after 2 seconds, 10 seconds after pressing the shutter or when a smile is detected.

1. Press the down arrow button (➡️) to enter the self-timer menu.

2. Press left/right to select the following 4 modes:
   - Self-Timer Off
     Disables the Self-Timer.
   - Self-Timer 2 sec
     A single picture is shot 2 seconds after the Shutter Button is pressed.
   - Self-Timer 10 sec
     A single picture is shot 10 seconds after the Shutter Button is pressed.
   - Self-Timer Smile
     Press the Shutter Button and a picture will be taken immediately after a smile is detected.

3. Press the button to confirm the settings and exit the menu.

When enabling the self-timer, pressing the shutter or Down arrow button can disable the self-timer and return to the shooting screen, and keep the self-timer setting.

When enabling the smile detection, pressing the shutter or button can disable the self-timer without keeping the self-timer setting.
Flash Mode

The flash provides supplemental light for a scene. The flash is usually used when shooting against the light to highlight the object. It is also suitable for metering and shooting in darker scenes to improve the exposure.

1. Press the Flash Button (open) to pop up the flash.

2. Press the right arrow button ( ) to enter the Flash Settings Menu.

3. Press the left/right to select the following 6 modes:
   - Force Off
     Flash is turned off.
   - Flash Auto
     Camera flash goes off automatically based on existing light conditions.
   - Force Flash
     The flash will engage with each shot even if there is enough available light to take the photo without flash.
   - Slow Sync.
     This allows you to take pictures of people at night that clearly show both your subjects and the night time backdrop. The use of a tripod is recommended when shooting with this setting.
   - Slow Sync. + Red-Eye
     Use this mode for slow synchro shots with red-eye reduction.
   - Red-Eye Reduction
     The camera emits a brief pre-flash before the picture is taken to reduce red-eye effects.

4. Press the (set) button to confirm the settings and exit the option.
White Balance Setting

The white balance function allows adjustment of the color temperature for different light sources (Adjustable in PSAM Mode).

Follow the steps below to set white balance of the camera:


2. Press the left/right to select the following 8 modes:
   - [AUTO WB] AWB
   - [Daylight]
   - [Cloudy]
   - [Fluorescent]
   - [Fluorescent CWF]
   - [Incandescent]
   - [Manual WB] (Fully press the shutter button to detect the white balance value)
   - [Color Temp. (1900K~10000K)]
     Press direction buttons Up / Down to "Adjust the K value"; Press the direction button Left to exit the K value.

3. Press the [SET] button to confirm the settings and exit the menu.
Continuous Shot

Follow the steps below to configure the Continuous Shot Settings:

1. Press the ( ) to enter the Continuous Shot Menu.

2. Press the left/right to select the following 4 modes:
   - ( ) Single
   - ( ) Continuous Shot
   - ( ) 3 Shots
   - ( ) Time-Lapse
     Take pictures based on the preset interval (30sec/ 1min/ 5min/ 10min).

3. Press the ( ) button to confirm the settings and exit the menu.

4. Press the Shutter button to start continuous shooting.

The flash is disabled in this mode in order to achieve quick succession of shots.
The EV function menu of the camera includes functions, such as EV (exposure value) adjustment, ISO, Shutter Adjustment, Aperture Adjustment, etc. Using the appropriate function settings can improve your pictures.

To select the best setting for optimum photos, follow these steps:

1. Press the button to display the settings screen.
2. Press the left/right arrow button to select the setting options.
3. Press the up/down button to adjust the option values.
4. Press button to complete the setting and enter shooting mode.

**Exposure Compensation**
Set up to adjust the picture brightness. In the case of a very high contrast between the photographed object and the background, the brightness of the picture can be appropriately adjusted. (Adjustable in Mode)

The adjustable range of exposure value is from EV -2.0 to EV+2.0.
ISO

The ISO function allows you to set the sensitivity of the camera's light sensor based on the brightness of the scene. To improve the camera's sensor performance in darker environments, a higher ISO value is required. A lower ISO value is needed when shooting in brighter conditions.

Pictures taken at higher ISO settings will generally have more noise than those taken at lower ISO settings. (Adjustable in PSAMŤ Mode)

The camera's ISO settings include: automatic, 80 100, 200, 400, 800, 1600 and 3200.

Shutter Adjustment

For shutter speed, the camera may automatically set the aperture value corresponding to the manually set shutter speed so as to obtain a most suitable exposure value. The movement of object may be shown by adjusting the shutter speed. High shutter value can help you more clearly capture fast moving objects while low shutter value can better show the movement of objects. (Adjustable in S M Mode)
Aperture Adjustment

You can adjust the aperture size value. Selecting a large aperture opening will emphasize the point of focus and show a blurry background and foreground. A small aperture opening will keep both the background and main object in clear focus.
(Adjustable in **A M** Mode)

Using Quick Recording

In Shooting Mode, press the Recording Shortcut Button to begin recording video.

After finishing, press the Recording Shortcut Button or the shutter button to stop and store the video. The camera will return to Shooting Mode automatically.
i Button Function Menu

Mode: **PSAM**

The Image Color Setting allows you to select different color effects.

1. Press the **i** button to select the Image Color Setting Menu.
2. Press the left/right arrow button to select the Image Color Setting options.

There are 7 Image Color options in Photo Shooting Mode **PSAM**:

- **Normal**
- **Vivid**

There are 4 Image Color options in Movie Mode ****:

- **Normal**
- **Vivid**
- **Sepia**
- **Black and White**
To view photos and videos on LCD screen:
1. After pressing the button, the last photo or video clip taken will be displayed on the LCD screen.
2. Use the Left/Right navigation buttons to scroll through the photos or video clips stored in the internal memory or on the SD memory card.
3. To play a selected video clip, press the button to enter the Movie Playback Mode. An operation guide appears on the screen when playing back a video. Press the appropriate buttons to enable the corresponding functions.

<table>
<thead>
<tr>
<th>Play Mode</th>
<th>Pause Mode</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>6</td>
</tr>
<tr>
<td>2</td>
<td>7</td>
</tr>
<tr>
<td>3</td>
<td>8</td>
</tr>
<tr>
<td>4</td>
<td>9</td>
</tr>
<tr>
<td>5</td>
<td>10</td>
</tr>
</tbody>
</table>

- 1 Increase Volume
- 2 Pause
- 3 Fast Forward
- 4 Decrease Volume
- 5 Rewind
- 6 Back to the Beginning of the Video
- 7 Play
- 8 Play Video Forward
- 9 Cancel Playback
- 10 Play Video Backward
When in Playback Mode, rotate the Zoom Lever counter clockwise to the position to display thumbnail images of the photos and videos on the screen. (the picture is displayed in horizontal position)

1. Slide the Zoom Lever to switch between 3x3 and 4x4 thumbnails.
2. When a 3x3 or 4x4 thumbnail is displayed, press the arrow buttons to select a picture or video clip to view.
3. Press the arrow buttons to select a picture or video clip to view and press the button to restore it to the original size.

If the indicator appears on the LCD, then a movie file is currently being displayed.
Using Zoom Playback (for still pictures only)

When playing back photos, you can also use the Zoom Slider to zoom in on the photos 2 to 8 times.

1. Press the button to switch to Playback Mode.
2. Press the left/right button to select a picture to be zoomed in.
3. Rotate the Zoom Lever clockwise to ( ) to zoom in.
4. The bottom right corner of the screen will display the number of times and area of the photo zooming operation.
5. Press the arrow buttons to navigate and select a part of the image to be zoomed in.
6. Press the button to return the image to its original scale.

Movie images cannot be magnified.
Photos and Video Deletion

In Playback Mode, press the down arrow button (⬇️ ⬇️) to delete your photos and videos. To delete photos or videos:
1. Press the button to switch to Playback Mode.
2. Press the left/right arrow button to select the photos and videos to be deleted.
3. Press the down arrow button (⬇️ ⬇️) and the deletion screen is displayed.

4. Press the up/down arrow button to select 「Delete One」or 「Exit」and press the button to confirm.

⚠️ Erased photos/video clips cannot be recovered.

☻ Please refer to page 76 for instructions on deleting more than one image at a time.
You can use this setting to view the pictures taken as a slideshow.

1. Press the button to enter playback screen.
2. Press the button to enter the slide option (except for video file).
3. Press the left/right button to select slideshow playing or 「Cancel」 to return to the playback screen.
4. Press the set button to confirm the setting.

- Pictures scroll automatically during a slide show.
- Slide playing function supports movie playing.
Photo Setup Menu

Mode: 📷 P S A M 📷 SCN

1. In Photo Shooting Mode, press the 📷 button to enter the Photo Shooting Menu.

2. Press the up/down arrow button to select the Photo Shooting Menu to be set.

3. Press the left/right arrow button to select the Photo Shooting Menu to be set and press the SET button to confirm.

Expo Metering (Exposure Metering)
Use this setting to select the "target" size of the camera's field of view to be metered.

There are 3 options:

- AiAE (Artificial Intelligence AE) targets the camera's entire field of view.
- Spot metering targets a small area in the center of the camera's field of view.
- Center metering targets a slightly larger area in the center of the camera's field of view.

AiAE (Artificial Intelligence AE): Automatically selects the central and peripheral metering, to calculate the reasonable value of metering by weighting.

Refer to the following pages for more details about each setting.
**Image 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.

The bigger the number of recorded pixels is, the better the image quality becomes. As the number of recorded pixels lessen, you will be able to record more images on a memory card.

---

**OIS (Optical Image Stabilization)**

This mode can help reduce photo blur caused by unintentional hand shake, or low light.

- Use this image stabilization mode in dark environments.
- Shooting in a windy or unstable environment (such as a moving vehicle) may cause blurred images.
**Cont. AF (Continuous Auto-Focus)**
Enable Continuous AF to be able to continuously focus automatically when taking pictures.

There are 2 options:
- Off
- On

**HDR (High Dynamic Range)**
Use this setting to control wide dynamic image range when taking static pictures. Photos with extreme contrast of bright and dark areas will still maintain distinguishable detail and depth. (Use of tripod is recommended)

There are 2 options:
- Off
- On

In the scenario with high light contrast (too dark or too light), this function can be used to shoot satisfactory photos.
Face Beautifier
Select an effect of the Face Beautifier Mode.

Face Beautifier Mode has 3 effects:

- Effect 1: Skin Soften
- Effect 2: Skin Soften + Eye Brightening
- Effect 3: Skin Soften + Eye Brightening + Eye Enlargement

Scene
Select a scene mode under SCN mode.

Press SET To Select Scene
Night Portrait
• Shooting menu in the Shooting Mode (O: Available   X: Not Available)

<table>
<thead>
<tr>
<th>Options</th>
<th>Shooting Modes</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>P</td>
</tr>
<tr>
<td></td>
<td>O</td>
</tr>
<tr>
<td>16M</td>
<td>O</td>
</tr>
<tr>
<td>Off</td>
<td>X</td>
</tr>
<tr>
<td>Off</td>
<td>X</td>
</tr>
<tr>
<td>HDR</td>
<td>X</td>
</tr>
<tr>
<td>+/–</td>
<td>X</td>
</tr>
</tbody>
</table>
Photo Shooting Setting Menu

Mode: 

1. Press the button in Photo Shooting Mode and press the up/down button to select .

2. Press the button to enter the menu.

3. Press up/down arrow button to select , and press the button or right arrow button to enter the menu.

4. Press the up/down arrow button to select the item to be set and press the button or right arrow button to enter the menu.

5. Press the up/down arrow buttons to select an option and press the button to confirm.

Quality

The Quality Setting can be used to adjust the image compression ratio.

There are three options for picture quality:

- Best (16M Average File Size: 5.0MB)
- Fine (16M Average File Size: 3.0MB)
- Normal (16M Average File Size: 2.6MB)
**AF-Assist Beam (Auto-Focus Assist Beam)**
In a darker environment, AF Assist Beam can be turned on for better focus.

**Digital Zoom**
Turn the Digital Zoom on or off.

**Date Imprint**
Include a Date/Time stamp on the photo image.

- Off
- Date
- Date / Time
**Quick Review**
This option allows quick review of the photos immediately after they are taken. Each photo is displayed on the LCD screen for the selected time.

There are 4 options:
- Off
- 1 sec
- 2 sec
- 3 sec

**Custom Settings**
Custom Settings stores the current photo shooting mode and its parameters. The stored mode and parameters are directly invoked in Custom Settings mode.

There are 2 options:
- No
- Yes
**Face Detection**

Detects and focuses on faces to make all faces as clear as possible in photo mode.

There are 2 options:

- Off
- On
Movie Menu

Mode:  

1. Turn the mode dial, select the  mode and press the button to enter the Movie Menu.

2. Press the up/down arrow button to select the Movie Menu to be set.

3. Press the left/right arrow button to select the Movie Menu to be set and press the button to confirm.

Expo Metering (Exposure Metering)

Use this setting to select the "target" size of the camera's field of view to be metered.

There are 3 options:

- AiAE (Artificial Intelligence AE) targets the camera's entire field of view.
- Spot metering targets a small area in the center of the camera's field of view.
- Center metering targets a slightly larger area in the center of the camera's field of view.
AIAE (Artificial Intelligence AE): Automatically selects the central and peripheral metering, to calculate the reasonable value of metering by weighting.

**Video Quality**

Set the image resolution used during video recording.

The speed requirements for reading and writing high image pixel images to SD card are as follows:

<table>
<thead>
<tr>
<th>No.</th>
<th>Image Pixel</th>
<th>Frame</th>
<th>Recommendation</th>
<th>Recording time (4GB) About</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1280x720 *</td>
<td>30</td>
<td>Class 6</td>
<td>57 minutes</td>
</tr>
<tr>
<td>2</td>
<td>1280x720</td>
<td>15</td>
<td>Class 4</td>
<td>63 minutes</td>
</tr>
<tr>
<td>3</td>
<td>640x480</td>
<td>30</td>
<td>Class 4</td>
<td>72 minutes</td>
</tr>
</tbody>
</table>

* The longest recording time is 29 minutes at one time.

When recording in higher pixel resolutions for extended periods of time, this can cause the camera to generate heat. This is not a camera malfunction.

**OIS (Optical Image Stabilization)**

This mode can help reduce photo blur caused by hand shake, low light and slow shutter speed.

Use this image stabilization mode in dark environments.

Shooting in a windy or unstable environment (such as a moving vehicle) may cause blurry images.
Movie Setting Menu

Mode:

1. Turn the Mode Dial and select \( \text{video} \) to enter the video recording screen.
2. Press the \( \text{button} \), press the up/down arrow button to select \( \text{ } \), and press the \( \text{button} \) to enter the menu.
3. Press up/down arrow button to select \( \text{ } \), and press the \( \text{button} \) or the right arrow button to enter the menu.
4. Select the items to be set and press the \( \text{button} \) or the right arrow button to enter the menu.
5. Press the up/down arrow buttons to select an option and press the \( \text{button} \) to confirm.
Digital Zoom
Turn the Digital Zoom on or off.

Custom Settings
Custom Settings stores the current movie shooting mode and its parameters. The stored mode and parameters are directly invoked in Custom Settings mode.

![Digital Zoom Setting](image1.png)

![Custom Settings](image2.png)
Playback Menu

Mode: 

1. Press the button to display the playback screen and press button to enter the menu.

2. Press the up/down arrow button to select the playback to be set and press button to enter.

3. Press the left/right arrow buttons to select an option and press the button to confirm.

Photo

[Image of Photo Playback Menu]

Video

[Image of Video Playback Menu]

Refer to the following pages for more details about each setting.
### Playback

1. Press the **button, select the ** settings, and press the ** button to display the settings screen.

2. Press the left/right button to select from the following 2 functions:
   - ![Normal Mode](image)
     - **Normal Mode**: Display all images.
   - ![Date Mode](image)
     - **Date Mode**: Arranged by date.

3. Press the ** button to confirm the setting.

   The Date Folder is displayed in date order based on camera's Date/Time Settings.

### HDR (High Dynamic Range)

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.

1. In Playback Mode, press the left/right arrow button to select the photos to be edited.

2. Press the ** button, select the ** settings, and press the ** button to display the settings screen.

3. Press the left/right button to select whether HDR is used.

   ![ HDR Settings ]

   - ✓ : HDR
   - ✗ : Cancel
4. After using the HDR function, the image will be saved as a new file and the original file is still stored in the memory.

**Red-Eye Reduction**

1. In Playback Mode, press the left /right arrow button to select the photos to be edited.

2. Press the button, select the settings, and press the button to display the settings screen.

3. Press the left/right button to select Touch-up or 「Cancel」 to return to the playback Screen.

- : Red-Eye Reduction
- : Skin Soften
- : Eye Brightening
- : Eye Enlargement
- : Cancel
4. Press the  button to confirm the setting.

The beauty feature mentioned here is the individual beautification for three effects. Beauty Mode allows you to select from one, two, or all three effects combined.

**Rotate**

You can use this setting to change the orientation of the picture.

1. In Playback Mode, press the left /right arrow button to select the photos to be edited.

2. Press the  button, select the  settings, and press the  button to display the settings screen.

3. Press the left/right button to select the rotation direction or 「Cancel」 to return to the playback Screen.

- : Turn Right
- : Turn Left
-  : Cancel
4. Press the  button to confirm the setting.

Videos and panoramic pictures cannot be rotated.

The rotated picture file will replace the original photo.

**Resize**

This setting allows you to resize a picture to a particular resolution and saves it as a new picture.

1. In Playback Mode, press the left /right arrow button to select the photos to be edited.

2. Press the  button, select the settings and press the  button to display the settings screen.

3. Press the left/right arrow button to select 「1024X768」 or 「640X480」 or select 「Cancel」 to return to the playback Screen.

4. Press the  button to confirm the setting.
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.

1. In Playback Mode, press the left/right arrow button to select the photos to be edited.

2. Press the i Button to select the Image Color Setting Menu.

3. Press the left/right button to select the corresponding menu or 「Cancel」 to return to the Playback Screen.

4. Press the button to confirm the setting.

There are 8 options:
- Cancel
- Vivid
- Sepia
- Black and White
- Grainy
- Vignetting
- Salon
- Dreamy
Mode: 

1. Press the button to show the playback screen, press the button, and press the up/down button to select .
2. Press the button to enter the menu.
3. Press up/down arrow button to select , and press the button or right arrow button to enter the menu.
4. Press the up/down arrow button to select the item to be set and press the button or right arrow button to enter the menu.
5. Press the up/down arrow buttons to select an option and press the button to confirm.

Refer to the following pages for more details about each setting.
Protect
To prevent any pictures or videos from being accidentally erased, use this setting to lock one or all of the files.

To lock or unlock the photo and video files:
1. Press the up/down arrow button to select 「Protect」 and press the SET button or right arrow button to enter the sub-menu.
2. Press the up/down arrow button to select the sub-menu and press the SET button or right arrow button to show the settings screen.

There are 4 sub menus available:
• One: Lock the selected photo or video if they are unprotected; unlock the selected photo or video if they are protected.
• Date Folder: Protect all photos in the Date Folder.
• All: Lock all photos or videos.
• Reset: Cancel all locked photos or videos.

3. Press the up/down arrow buttons to select an option and press the SET button to confirm.
Delete

You can delete one or all photo/video files.

To delete photo or video files:
1. Press the up/down arrow button to select 「Delete」 and press the button or right arrow button to enter the submenu.
2. Press the up/down arrow button to select the submenu and press the button or right arrow button to show the settings screen.

There are 3 sub menus available:
• One: Delete one photo or video.
• Date Folder: Delete all photos in the Date Folder.
• All: Delete all photos or videos.

3. Press the up/down arrow buttons to select an option and press the button to confirm.

The “” indicator means a file is protected. File protection must be removed first before a file can be deleted.

Deleting files will cause DPOF (Digital Print Order Format) settings to be reset.

When a single photo is protected in the date folder, the protected photo will be kept and other photos will be deleted.
DPOF (Digital Print Order Format)
The DPOF feature allows you to compile and select a group of pictures that you would like to print and will save your selection on the memory card so that you can use the SD memory card to print without having to individually specify the photos you want to print.

A printer that supports DPOF is needed for printing.

Trim
The Trim Setting allows you to crop photos and save them as new pictures.
1. Press the up/down arrow button to select 「Trim」 and press the SET button or right arrow button to enter the menu.
2. Select 「Yes」 to confirm trim. Select a part to be trimmed using the Zoom Lever and arrow buttons to trim a photo.

3. Press the SET button and the 「Save change?」 prompt appears. Select 「✓」 to change and save the picture. Select 「✗」 to cancel changes and return to the trim prompt screen.

The image cannot be clipped/trimmed again once it has been clipped to 640X480.
Setup Menu

Mode: 📷 P S A M 🎥 SCN 📃 ⏰

1. Press the 📷 button in any mode and press the up/down button to select 📷.
2. Press the SET button to enter the menu.
3. Press up/down arrow button to select 🎥, and press the SET button or right arrow button to enter the menu.
4. Press the up/down arrow button to select the item to be set and press the SET button or right arrow button to enter the menu.
5. Press the up/down arrow buttons to select an option and press the SET button to confirm.

Refer to the following pages for more details about each setting.
**Sound Settings**

To change this setting:

1. Select 「Sound Settings」 in the basic settings menu. Press the (SET) button or right arrow button to enter the menu.

2. Press the left/right arrow button to select an option.

3. Press the (SET) button to confirm.

**Power Saver**

This setting allows you to save power and get the maximum possible running time for your camera's batteries. Follow the steps below to turn the LCD screen and camera off automatically after a consecutive period of inactivity.

1. Select 「Power Saver」 in the basic settings menu. Press the (SET) button or right arrow button to enter the menu.

2. Press the up/down arrow button to select an option.

3. Press the (SET) button to confirm.

<table>
<thead>
<tr>
<th>Power Saver</th>
<th>LCD power off time</th>
<th>Turn off time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Auto</td>
<td>3 min</td>
<td>5 min</td>
</tr>
<tr>
<td>Normal</td>
<td>1 min</td>
<td>3 min</td>
</tr>
<tr>
<td>Best</td>
<td>30 s</td>
<td>1 min</td>
</tr>
</tbody>
</table>
Language
Refer to the “Reset your language” section on page 20.

Zone
The Zone setting is a useful function for your overseas trips. This feature enables you to display the local time on the LCD screen while you are abroad.
1. Select 「World Time」 in the basic settings menu. The World Time screen appears.
2. Press the up/down to select the departure place ( ) and destination ( ) fields.
3. Press the left/right arrow button to select a city located in the same time zone as that of the field. Press the button to confirm settings.

Date/Time
Refer to the “Reset Date/Time” section on page 21.

LCD Brightness
Use this setting to adjust the brightness of your LCD screen.
1. Select 「LCD Brightness」 in the basic settings menu. Press the button or right arrow button to enter the menu.
2. Press the up/down arrow button to select an option.
3. Press the button to confirm.
File / Software

Format Memory
Please note: formatting enables you to delete all contents in the memory card and built-in memory, including protected photo and movie files.
To use this setting:

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.

2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.

3. Press the up/down arrow button to select 「Format」 and press the button or right arrow button to enter the menu.

4. Press the up/down arrow buttons to select 「Yes」 or 「No」 and press the button to confirm.

5. If you select 「Yes」 the camera formats its memory.

If there is no memory card in the camera, the built-in memory will be formatted; if there is a memory card, it will be formatted only.
Copy to Card
Use this setting to copy the files stored in the internal memory to an SD memory card.
1. Press the button, press the up/down arrow button to select and press the button to enter the menu.
2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.
3. Press the up/down arrow button to select 「Copy to Card」 and press the button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to select 「Yes」 or 「No」 and press the button to confirm.

If there is no card available in the camera, this function will not be displayed.

File Numbering
After you take a picture or video clip, the camera will save it with a sequential number. You can use this to reset the file numbering to 1.
1. Press the button, press the up/down arrow button to select and press the button to enter the menu.
2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.
3. Press the up/down arrow button to select 「File Numbering」 and press the button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to select 「Yes」 or 「No」 and press the button to confirm.
Reset
Use this setting to restore the camera to its original default settings.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.
2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.
3. Press the up/down arrow button to select 「Reset」and press the button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to select 「Yes」or 「No」and press the button to confirm.

FW Version
Use this setting to view the current camera firmware version.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.
2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.
3. Press the up/down arrow button to select 「FW Version」and press the button or right arrow button to enter the menu.
4. When there is a new firmware version in the SD card, select 「Yes」to update.
Connecting to a Computer

You can use a USB cable to connect the camera and copy (transmit) photos to a computer, printer or other device.

**Setting the USB Mode**

The camera’s USB port can be set to connect with either a computer or a printer. The following steps will allow you to ensure that the camera is correctly configured to connect with a PC.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.
2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.
3. Press the up/down arrow button to select 「USB」 and press the button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to select 「PC」 and press the button to confirm.
Transferring files to your computer

The computer will automatically detect the camera as a removable drive. Double-click the My Computer icon on the desktop to locate the removable drive and to copy folders and files in the drive to a directory on your PC as you would copy any typical folder or file.

Follow the steps below to connect the camera to a computer.
1. Make sure the computer is turned on.
2. Connect one end of the supplied USB cable to the USB OUT port on your camera.
3. Connect the other end of the cable to an available USB port on your computer.
4. After the transmission is complete, disconnect the USB cable according to the instructions specifying how to safely remove USB devices.
Video System

Use this feature to switch the video system from either NTSC or PAL.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.

2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.

3. Press the up/down arrow button to select 「TV-System」 and press the button or right arrow button to enter the menu.

4. Press the up/down arrow buttons to select 「NTSC」 or 「PAL」 and press the button to confirm.

The video output system would change accordingly based upon the changes of the selected language.

NTSC: English, Chinese (Traditional), Japanese, French, Korean, Russian, Vietnamese, Greek, Hungarian

PAL: German, Spanish, Italian, Chinese (Simplified), Portuguese, Swedish, Danish, Finnish, Indonesian, Norwegian, Dutch, Turkish, Polish, Thai, Croatian, Czech, Arabic, Hindi
This camera supports the wireless connection for Eye-Fi memory card. Enable Eye-Fi connection by following below steps.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.

2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.

3. Press the up/down arrow button to select 「Eye-Fi」 and press the button or right arrow button to enter the menu.

4. Press the up/down arrow buttons to select 「On」 or 「Off」 and press the button to confirm.

If the Eye-Fi card is not available in the camera, this feature is not displayed.
Supported HDMI Connections

HDMI (High Definition Multimedia Interface), is a fully digital audio/video transmission interface, through which uncompressed audio and video signals are transmitted.

Direct transmission of digital video signals to your TV reduces conversion loss and improves image quality.

Connecting HDMI-Ready TV
1. Use the cable with high resolution output terminal (which should be purchased separately) to connect the camera to the television which meets HDMI standard.
2. The camera will be automatically detected by the TV.
3. After connecting via HDMI, the camera enters Playback Mode.

- Make sure the camera and the TV are both turned on before connecting.
- Refer to your TV instruction manual for information on what resolution sizes it will support. The resolution and output formats that are not supported will be grayed out on the camera's LCD screen.
Connecting to a PictBridge Compatible Printer

PictBridge technology allows printing of the photos saved in the memory card by the printer.

To find out if a printer is PictBridge compatible, simply look for the PictBridge logo on the packaging or check the owner's manual for specifications. With the PictBridge function on your camera, you can print the captured photos directly to a PictBridge compatible printer using the supplied USB cable, without the need for a PC.

**Setting the USB Mode**

The camera’s USB port can be set to connect with either a PC or a Printer, the following steps will ensure that the camera is correctly configured to connect with a Printer.

1. Press the button, press the up/down arrow button to select and press the button to enter the menu.

2. Press up/down arrow button to select and press the button or right arrow button to enter the menu.

3. Press the up/down arrow button to select 「USB」 and press the button or right arrow button to enter the menu.

4. Press the up/down arrow buttons to select 「Printer」 and press the button to confirm.

After the camera is reset, it will switch to PC mode automatically from USB mode.

See “PictBridge” section on page 91.
Connecting to your Printer

1. Make sure the printer is turned on.
2. Connect one end of the supplied USB cable to the USB port on your camera.
3. Connect the other end of the cable to the USB port on the printer.

If the camera is not connected to a PictBridge compatible printer, the following error message will appear on the LCD screen.

Connection Failed!

The error message above will also appear if the USB mode is set incorrectly, in which case you should disconnect the USB cable, check the USB mode settings, ensure that the Printer is turned on, and then try connecting the USB cable again.
After setting the USB mode to Printer, the PictBridge Menu will appear.

Press the up/down arrow button to select a menu item and press the SET button or right arrow button to enter the item.

Refer to the following sections for more detailed information on each setting.

Print (with Date)
If you have set the date and time on your camera, the date and time will be recorded and saved with each photo you take.

1. In the PictBridge menu, select 「Print (with Date)」and the screen as shown below appears.

2. Press the left/right arrow button to select a photo to be printed.
3. Press the up/down arrow button to select the number of copies for the currently displayed photo.

4. Press the \( \text{set} \) button and the following screen will appear.

5. Select 「Yes」 and press the \( \text{set} \) button to confirm; select 「Cancel」 to cancel printing.

---

**Print (without Date)**

Use this setting to print the photos without dates on them.

1. In the PictBridge menu, select 「Print (without Date)」 and the screen as shown below appears.

2. Press the left/right arrow button to select a photo to be printed.

3. Press the up/down arrow button to select the number of copies for the currently displayed photo.

4. Press the \( \text{set} \) button and the following screen will appear.
5. Select 「Yes」 and press the SET button to confirm; select 「Cancel」 to cancel printing.

2. Select 「Yes」 and press the SET button to confirm; select 「Cancel」 to cancel printing.
Print DPOF Images

To use DPOF printing, you must select your photos for printing using the DPOF settings beforehand. See “DPOF” section on page 77.

1. In the PictBridge menu, select 「Print DPOF Images」and the screen as shown below appears.

![Print DPOF Images screen](image)

2. Select 「Yes」 and press the SET button to confirm; select 「Cancel」 to cancel printing.

Exit

Select 「Exit」 to exit the PictBridge menu. At this time, the message 「Remove USB Cable!」 appears on the screen.

![Remove USB Cable!](image)

Disconnect the USB cable from the camera and printer.
### Specifications

<table>
<thead>
<tr>
<th>Feature</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Effective Image Sensor Pixels</td>
<td>16.15 Megapixels</td>
</tr>
<tr>
<td>Total Image Sensor Pixels</td>
<td>16.44 Megapixels [1/2.3”CCD]</td>
</tr>
<tr>
<td><strong>Lens</strong></td>
<td></td>
</tr>
<tr>
<td>Focal Length</td>
<td>4.3mm (Wide) - 180.6mm (Tele)</td>
</tr>
<tr>
<td>35mm film equivalent</td>
<td>24mm (Wide) - 1008mm (Tele)</td>
</tr>
<tr>
<td>F number</td>
<td>F3.0 (Wide) - F6.8 (Tele)</td>
</tr>
<tr>
<td>Lens Construction</td>
<td>11 groups 15 elements</td>
</tr>
<tr>
<td>Optical Zoom</td>
<td>42x</td>
</tr>
<tr>
<td>Focusing Range</td>
<td>Normal: (Wide) 50cm ~ ∞, (Tele) 200cm ~ ∞;</td>
</tr>
<tr>
<td></td>
<td>Macro: 1.6cm ~ ∞ (Wide Only)</td>
</tr>
<tr>
<td>Anti-Handshake</td>
<td>Optical Image Stabilization</td>
</tr>
<tr>
<td>Digital Zoom</td>
<td>4x Digital Zoom (Combined Zoom: 168x)</td>
</tr>
</tbody>
</table>

Design and specifications are subject to change without notice.
<table>
<thead>
<tr>
<th>Number of Recording Pixels</th>
<th>Still Image</th>
<th>Movie</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>(4:3)</td>
<td></td>
</tr>
<tr>
<td>16MP: 4608×3456</td>
<td></td>
<td></td>
</tr>
<tr>
<td>10MP: 3648×2736</td>
<td></td>
<td></td>
</tr>
<tr>
<td>5MP: 2592×1944</td>
<td></td>
<td></td>
</tr>
<tr>
<td>3MP: 2048×1536</td>
<td></td>
<td></td>
</tr>
<tr>
<td>0.3MP: 640×480</td>
<td></td>
<td></td>
</tr>
<tr>
<td>(3:2)</td>
<td>(16:9)</td>
<td></td>
</tr>
<tr>
<td>14MP: 4608×3072</td>
<td>12MP: 4608×2592</td>
<td></td>
</tr>
<tr>
<td>2MP: 1920×1080</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Movie</td>
<td>1280×720 (30fps), 1280×720 (15fps), 640×480 (30fps)</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Image Compression</th>
<th>Best, Fine, Normal</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>DCF, DPOF (Ver1.1) Support</th>
<th>Yes</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>File Format</th>
<th>Still Image</th>
<th>Exif 2.3 (JPEG)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Movie</td>
<td>MOV [Image: H.264; Audio: Linear PCM (Monaural)]</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shooting Modes</th>
<th>Auto Mode, Program AE, Shutter Priority, Aperture priority, Manual Mode, Face Beautifier, Panorama Mode, Scene Mode [ ASCN, Pet Mode, Sunset, Fireworks, Sport, Night Portrait, Landscape, Portrait, Snow, Children, Party, Night Landscape], Movie Mode, Custom Settings</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Detection Features</th>
<th>Face, Smile, Blink, Cat, Dog</th>
</tr>
</thead>
</table>

<table>
<thead>
<tr>
<th>Photo Touch-up</th>
<th>Red-Eye Reduction, Skin Soften, Eye Brightening, Eye Enlargement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Feature</td>
<td>Details</td>
</tr>
<tr>
<td>-------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>HDR</td>
<td>Yes</td>
</tr>
<tr>
<td>Video Panorama</td>
<td>Up to 180° (Horizontal)</td>
</tr>
<tr>
<td>LCD Display</td>
<td>3.0 inch (460k Pixels)</td>
</tr>
<tr>
<td>ISO Sensitivity</td>
<td>Auto, ISO80/100/200/400/800/1600/3200(4M)</td>
</tr>
<tr>
<td>AF Method</td>
<td>Single AF, Multi-AF (TTL 9-point), Object Tracking, Face-Detection</td>
</tr>
<tr>
<td>Exposure Metering Method</td>
<td>Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE</td>
</tr>
<tr>
<td>Exposure Control Method</td>
<td>Program AE (AE-Lock Available), Shutter Prior AE, Aperture Prior AE</td>
</tr>
<tr>
<td>Exposure Compensation</td>
<td>±2EV in 1/3 Step Increments</td>
</tr>
<tr>
<td>Shutter Speed</td>
<td>1/2000 ~ 30 Seconds</td>
</tr>
<tr>
<td>Continuous Shooting</td>
<td>Yes</td>
</tr>
<tr>
<td>Playback Modes</td>
<td>Single, Index (9/16 Thumbnails), Slide Show, Date, Zoom (Approx. ×2 ~ ×8)</td>
</tr>
<tr>
<td>White Balance Control</td>
<td>AWB, Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual WB, Color Temp. (1900K ~ 10000K)</td>
</tr>
<tr>
<td>Feature</td>
<td>Details</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>-------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Flash</td>
<td>Pop-up (Manual)</td>
</tr>
<tr>
<td>Shooting Range</td>
<td>(Wide) Approx. 0.5m ~ 7.5m (ISO 800) (Tele) Approx. 1.2m ~ 3.7m (ISO 800)</td>
</tr>
<tr>
<td>Recording Media</td>
<td>Internal Memory: Approx. 8MB</td>
</tr>
<tr>
<td></td>
<td>SD/SDHC Card (Up to 32GB Support)</td>
</tr>
<tr>
<td></td>
<td>[MMC Card not supported ]</td>
</tr>
<tr>
<td>PictBridge, ExifPrint Support</td>
<td>Yes</td>
</tr>
<tr>
<td>Multi-Language Support (27 Languages)</td>
<td>English, Chinese (Simplified and Traditional), Japanese, Korean, French, Spanish, Portuguese, Thai, Indonesia, Vietnamese, Italian, German, Dutch, Russian, Polish, Swedish, Danish, Finnish, Norwegian, Greek, Turkish, Hungarian, Croatian, Czech, Arabic, Hindi</td>
</tr>
<tr>
<td>Jacks</td>
<td>AV-OUT/USB 2.0 (Micro 5 pin USB), HDMI (Type D)</td>
</tr>
<tr>
<td>Eye-Fi Support</td>
<td>Yes</td>
</tr>
<tr>
<td>Power</td>
<td>Rechargeable Li-ion Battery LB-060, 3.7V 1100mAh, In-Camera Charging</td>
</tr>
<tr>
<td>Shooting Capability (Battery Performance)</td>
<td>Approx. 200 Shots (Based on CIPA Standards)</td>
</tr>
<tr>
<td>Operation Environment</td>
<td>Temperature: 0 ~ 40°C, Humidity: 0 ~ 90%</td>
</tr>
<tr>
<td>Dimensions (W×H×D)</td>
<td>Approx. 112.7×81.6×84.4mm (Based on CIPA Standards)</td>
</tr>
<tr>
<td>Mass</td>
<td>Approx. 444g (Body only)</td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Warning! Battery exhausted.</td>
<td>The camera battery is used up. It is a warning indicating that the camera is going to shut down.</td>
</tr>
<tr>
<td>Lens obstruction, Re-start Camera.</td>
<td>The lens is jammed or some foreign object is preventing the lens from functioning properly.</td>
</tr>
<tr>
<td>Built-in memory error!</td>
<td>An error occurred in internal memory.</td>
</tr>
<tr>
<td>Improper alignment. Please try again.</td>
<td>The offset is too big for panorama shooting.</td>
</tr>
<tr>
<td>Warning! Do not turn off your camera during update!</td>
<td>The message appears during the firmware update process.</td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------</td>
<td>-----------------------------------------------------</td>
</tr>
<tr>
<td>Remove USB Cable!</td>
<td>Indicates that you can disconnect the USB cable.</td>
</tr>
<tr>
<td>Connection Failed!</td>
<td>Failure to connect to your PC, printer, TV (with HDMI).</td>
</tr>
<tr>
<td>Write Protect!</td>
<td>The SD card is locked.</td>
</tr>
<tr>
<td>Card Full!</td>
<td>Indicates that the SD card is full.</td>
</tr>
<tr>
<td>Memory Full!</td>
<td>Indicates that the camera memory is full.</td>
</tr>
<tr>
<td>Card Error!</td>
<td>The memory card can’t be identified after being formatted.</td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>---------------------------------</td>
<td>-----------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Card is not formatted.</td>
<td>When an error occurs in the SD card, the message &quot;Not Formatted&quot; appears.</td>
</tr>
<tr>
<td>Slow access</td>
<td>When a SD card lower than Class 4 is used to record a HD movie, the writing speed will be slower and recording will not continue.</td>
</tr>
<tr>
<td>Cannot write to SD card.</td>
<td>The photo shooting or video recording has been interrupted so recording cannot continue.</td>
</tr>
<tr>
<td>No Red-Eye Detected!</td>
<td>Red eyes have not been detected in the image.</td>
</tr>
<tr>
<td>This image cannot be edited.</td>
<td>The file format does not support editing or the edited file cannot be edited again.</td>
</tr>
<tr>
<td>Message</td>
<td>Description</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>------------------------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Exceeded maximum folder number.</td>
<td>Prompt message when the archives or file folders in memory card have reached the maximum (9999 for archives, 999 for file folder).</td>
</tr>
<tr>
<td>Too many pictures for quick processing.</td>
<td>During the playback by date, the images exceed specifications so that it is not possible to play by date.</td>
</tr>
<tr>
<td>Unable to recognize files.</td>
<td>The format of the file to be viewed is not supported or the file is corrupted so it cannot be properly read.</td>
</tr>
<tr>
<td>No Picture!</td>
<td>When you press the play button, no image files exist in the camera or memory card.</td>
</tr>
<tr>
<td>Protected! Undeletable!</td>
<td>The file is protected. The message appears when you try to delete it.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible causes</td>
</tr>
<tr>
<td>----------------------------------------------</td>
<td>--------------------------------------------------------------</td>
</tr>
<tr>
<td>Camera does not turn on</td>
<td>The battery has been depleted.</td>
</tr>
<tr>
<td></td>
<td>The battery is not inserted correctly.</td>
</tr>
<tr>
<td>Camera turns off suddenly during operation</td>
<td>The batteries have been depleted.</td>
</tr>
<tr>
<td>The picture is blurry</td>
<td>Camera shakes while taking a picture.</td>
</tr>
<tr>
<td>Images and video files cannot be saved</td>
<td>The SD memory card is full.</td>
</tr>
<tr>
<td></td>
<td>The memory card is locked.</td>
</tr>
<tr>
<td>Images will not print from the connected printer</td>
<td>The camera is not connected to the printer correctly.</td>
</tr>
<tr>
<td></td>
<td>The printer is not PictBridge compatible.</td>
</tr>
<tr>
<td></td>
<td>The printer is out of paper or ink.</td>
</tr>
<tr>
<td></td>
<td>The printer paper is jammed.</td>
</tr>
<tr>
<td>Problem</td>
<td>Possible Causes</td>
</tr>
<tr>
<td>----------------------------------</td>
<td>-------------------------------------------------------------------------------</td>
</tr>
<tr>
<td>Saving data to memory card is slow</td>
<td>■ Using a memory card below Class 4 may result in slower recording times.</td>
</tr>
<tr>
<td>Cannot write to the memory card</td>
<td>■ The SD memory card has been locked.</td>
</tr>
<tr>
<td>Too many movies to process</td>
<td>■ The number of pictures or folders in the SD memory card exceed the specifications, so the playback of data folder cannot be displayed.</td>
</tr>
<tr>
<td>The flash 🚦 flashes on the LCD screen.</td>
<td>■ Current shooting environment requires flash.</td>
</tr>
</tbody>
</table>
## Memory Card Compatibility

- Cards compatible with this camera (✓: Available  X: Unavailable)

<table>
<thead>
<tr>
<th>Format</th>
<th>micro SD</th>
<th>micro SDHC</th>
<th>micro SDXC</th>
<th>Conversion adapter to SD card</th>
<th>SD</th>
<th>SDHC</th>
<th>SDXC</th>
</tr>
</thead>
<tbody>
<tr>
<td>FAT12, 16</td>
<td>✓</td>
<td>✓</td>
<td>•</td>
<td>-</td>
<td>✓</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>FAT32</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>-</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>exFAT</td>
<td>•</td>
<td>•</td>
<td>•</td>
<td>-</td>
<td>•</td>
<td>•</td>
<td>•</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Capacity</th>
<th>Up to 2GB</th>
<th>4~32GB</th>
<th>64GB~2TB</th>
<th>-</th>
<th>Up to 2GB</th>
<th>4~32GB</th>
<th>64GB~2TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Compatibility</td>
<td>✓</td>
<td>✓</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
<td>X</td>
</tr>
</tbody>
</table>

It indicates that the writing speed class will be displayed on the memory card.

Use a memory card with the appropriate writing speed for the video recording mode to be recorded. (O: Recommended X: Not recommended)

<table>
<thead>
<tr>
<th>Speed Class</th>
<th>UHS Speed Class</th>
<th>Video Speed Class</th>
<th>Video Recording</th>
</tr>
</thead>
<tbody>
<tr>
<td>90MB/sec</td>
<td></td>
<td>V90</td>
<td>4K  FHD HD VGA</td>
</tr>
<tr>
<td>60MB/sec</td>
<td>UHS-III</td>
<td>V60</td>
<td>O   O    O    O</td>
</tr>
<tr>
<td>30MB/sec</td>
<td>UHS-I</td>
<td>V30</td>
<td>O   O    O    O</td>
</tr>
<tr>
<td>10MB/sec</td>
<td>Class 10</td>
<td>V10</td>
<td>O   O    O    O</td>
</tr>
<tr>
<td>6MB/sec</td>
<td>Class 6</td>
<td>V6</td>
<td>X   O    O    O</td>
</tr>
<tr>
<td>4MB/sec</td>
<td>Class 4</td>
<td></td>
<td>X   X    X    O</td>
</tr>
<tr>
<td>2MB/sec</td>
<td>Class 2</td>
<td></td>
<td>X   X    X    O</td>
</tr>
</tbody>
</table>