

KODAK PIXPRO P1

DIGITAL CAMERA

User Manual



BEFORE YOU START

Declaration of Conformity

Responsible Party: JK Imaging Ltd.

Address: JK Imaging Ltd., 14067 Stage Road, Santa Fe Springs, CA 90670 USA

Company website: kodakpixpro.com

For Customers in the USA

Tested to Comply with FCC Standards FOR HOME OR OFFICE USE

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 camera 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 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.

 Batteries: Please dispose of used batteries at designated collection centers.

 Packaging: Please follow local regulations for the recycling of packaging.

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.

- The following symbols may be used throughout this manual to facilitate your understanding of how to operate the camera:

[Item properties]: The optional properties in the camera interface are indicated by the [] symbol.

SAFETY NOTES

Waterproof / Dustproof / Shockproof

- JIS / IEC waterproof grade 8 (IPX8).
- JIS / IEC dustproof grade 6 (IP6X).
- This camera has passed the drop test under the conditions specified by our company.

The waterproof, dustproof and drop-resistant features indicated for this product are based on internal testing conditions. We cannot guarantee that retesting will not damage this product or fail.

Using this camera in water

Before using this camera in water

- If there is dust, sand or other foreign materials on the waterproof rubber of the USB cover and its contact surface, please wipe it with a clean, dry and lint free cloth as soon as possible.
- Before using the product underwater, make sure that there is no damage to or foreign debris on the waterproof rubber gasket. Then close the USB cover tightly to ensure the waterproof capability of the product.
- Make sure the USB cover is securely closed.
- Avoid opening and closing the USB cover with wet hands or near water sources, such as on the sea/lake or by the sea/lake.
- Do not use this product in a geothermal spring or in water exceeding 40°C (104°F).

When using this camera in water

- Do not use the product below 5 meters (16.5 feet) underwater. The product remains waterproof for up to one hour at a depth of 5 meters (16.5 feet).
- Please do not open the USB cover underwater.
- After using the product in water or near sand, mud or other foreign materials, please rinse it with clean water (close the USB cover before cleaning). After cleaning, dry the product with a clean, dry and lint free cloth.

After using the camera in water

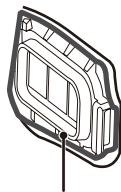
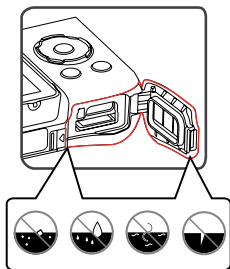
- When opening the USB cover, if there are water droplets on the inside of the USB cover or on the contact surface of the camera, please thoroughly wipe them with a clean, lint-free dry cloth.
- The microphone's sound reception will gradually recover within about 24 hours of air drying after it being used underwater. This is a normal phenomenon.
- 📄 Blow on the speaker a few times with your mouth after opening the USB cover, the sound can return to normal.

Storage and Maintenance

- Do not use chemicals to clean, rust-proof, repair or perform other maintenance on this camera. This may damage the waterproof of this camera.
- After using the camera in water, please first ensure that the USB cover is securely closed. Then soak the camera in a bucket or other container filled with clean water for 10 minutes. Finally, place it in a well-ventilated, shaded area to air dry.
- After using the camera in water, please soak it in clean water within 60 minutes. Otherwise, it may damage its appearance and reduce its waterproof performance.
- To ensure the waterproof performance of the camera, we recommend replacing the waterproof seals once a year. Note that this service is not free.

Precautions for waterproofing

- The accessories included with this product are not waterproof.
- The camera may lose its waterproof function if it is subjected to impact.
- The camera is not waterproof when the USB cover is opened.
- If water accidentally comes in contact with the product, please do not open the USB cover. Turn the product off, and dry it with a clean, dry and lint free cloth. Then open the USB cover, and remove the memory card.
- 📄 Waterproof rubber with scratches and cracks will allow water to penetrate into the product. Contact customer service immediately for maintenance with replacement of new waterproof rubber.



Waterproof Rubber

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.
- Do not use or store the camera in dusty places or on a beach to help prevent dust or sand from entering the camera, causing possible damage.
- Do not use or store the camera in a hot environment or in direct sunlight.
- Do not use or store the camera near powerful magnetic fields, 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 of time.
- 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.
- If water accidentally comes in contact with the camera, turn the camera off immediately, remove the memory card and dry completely 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 clean the body of the camera, do not use abrasive, alcohol-based or organic cleansers or solvents.
- Use a professional lens cleaning cloth and appropriate cleaner to wipe and clean the lens.
- If this camera is not in use for a long period of time, please keep it in a dry and clean storage location.
- JK Imaging Ltd. is not responsible for any playback failure, including damaged or unrecoverable pictures or videos due to improper operation.

-
- In colder environments, the performance of the battery could be noticeably reduced.
 - Do not touch any exposed internal parts.
 - Stop using the product in any case of unusual circumstances such as the presence of smoke or a strange smell.
 - Do not use the product where flammable gases may be present. This may cause electric shock, explosion or fire.
 - Please follow the following precautions when charging the product.
 - Periodically remove any dust buildup from the power plug and power outlet using a dry cloth.
 - Do not plug in or unplug the product with wet hands.
 - Do not use the product if the power plug is not fully inserted into the power outlet.
 - Do not expose the power plug and terminals to dirt or let them come into contact with metallic pins or other metal objects.
 - Do not touch the battery charger or AC adapter connected to a power outlet during lightning storms.
 - Do not wrap the product in cloth or other materials when in use or shortly after use when the product is still warm.
 - Do not leave the product connected to a power source for long periods of time.
 - Do not allow the product to maintain contact with the same area of skin for extended periods of time during use. This may result in low-temperature contact burns, including skin redness and blistering, even if the product does not feel hot.
 - Follow any indications to turn off the product in places where its use is forbidden. Not doing so may cause other equipment to malfunction due to the effect of electromagnetic waves and even result in accidents.

Safety Notes for Memory Cards

- We highly suggest buying only well-known, name-brand memory cards with type/capacity/speed as follows to ensure peak performance and reliability:
microSD / microSDHC / microSDXC Card up to 1.5TB, class 10 card or higher.
- Format the memory card using the camera before using it or inserting a new one.
- 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 permanently damaged.
- Do not directly edit the data on the memory card. Copy the data to your computer before you edit files.
- When the camera is stored for long periods of time, be sure to download your photos and remove the memory card. Store the memory card in a dry environment.
- Do not modify the name of the files or folders of the memory card using your computer. 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 memory card. Do not store photos that are not taken using this camera in these folders as the pictures cannot be recognized during playback.
- When you insert the memory card, make sure the notch of the card matches the markings on the top of the camera 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 or wrist 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 and FAA regulations.
- Due to the limitations of manufacturing technology, the LCD 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 camera's LCD to water. In a humid environment, only wipe it with a soft, dry and cleaning cloth.
- If the LCD is damaged and the liquid crystal comes into contact with your skin, wipe your skin with a dry cloth immediately and rinse it with clean water. If liquid crystal comes into contact with your eyes, wash them with clean water at least for 15 minutes and seek immediate medical attention. If you accidentally swallow liquid crystal, rinse your mouth immediately and seek medical attention.

WARNING

- Altering, tampering or modifying the any parts of P1 camera is unauthorized and will void the manufacturer's warranty and "could" void Federal and/or State Compliance.
- 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 camera 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 camera equipment and receiver
- Connect the camera 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

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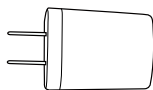
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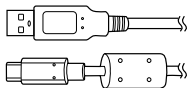
GETTING STARTED

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. (The battery chargers may be a little different in shape due to the difference of countries or regions this type of camera is sold to, and is subject to matching the physical product).



AC Adapter



USB Cable



Wrist Strap



Quick Start Guide

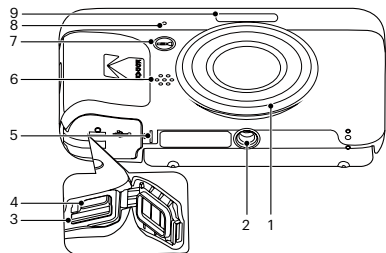


Warranty Card

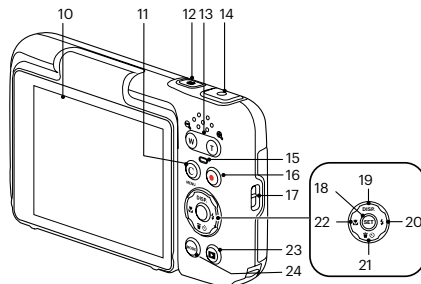


Service Card

Part Names



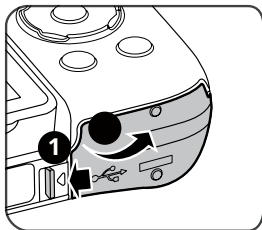
- | | |
|--------------------------|--------------------------------|
| 1 Lens | 9 Flash Lamp |
| 2 Tripod Socket | 10 Tilt LCD |
| 3 microSD Port | 11 [C] C/Menu Button |
| 4 USB-C Port | 12 Power Button |
| 5 USB cover Door Lock | 13 Zoom Button |
| 6 Speaker | 14 Shutter Button |
| 7 Fill Light Ring Button | 15 Indicator Lamp |
| 8 Microphone | 16 Fast Video Recording Button |



- | |
|---|
| 17 Strap Eyelet |
| 18 SET Button |
| 19 [▲ DISP.] Display Button/Arrow Button (Up) |
| 20 [▶⚡] Flash Button/Arrow Button (Right) |
| 21 [▼🗑️⌚] Delete Button/Self-Timer Button/Arrow Button (Down) |
| 22 [◀🌸] Macro Button/Arrow Button (Left) |
| 23 Playback Button |
| 24 Mode Button |

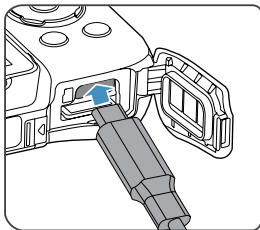
Charging the Battery and Inserting microSD/microSDHC/microSDXC Memory Cards

1. Unlock the USB cover door lock as shown in step ①, push the USB cover door open switch to open the USB cover door as shown in step ②.



**Use care press
forcefully when opening
the USB cove.**

2. Charge the camera by connecting the camera's USB Digital terminal to a power adapter.



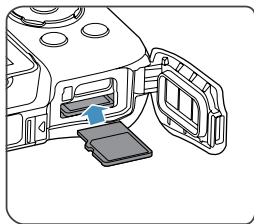
Indicator Lamp

-
- After charging begins, the indicator lamp will turn orange.
The indicator lamp will go out once charging is complete and the camera will power off automatically. To maximize battery life, we strongly recommend charging the battery for at least 4 hours the first time you charge your camera.
 - The camera is not fully charged out of the box. Please fully charge the camera before first use.
 - Charge the camera on the day you will use it or the day before. The built-in battery will gradually lose its charge even if it is not used.
 - The time required to charge the battery will vary greatly depending on the ambient temperature and the battery's remaining capacity.
 - Please use a power adapter product with output voltage / current: 5V DC / 1.0A or more.
 - It is recommended that you charge the battery periodically (every 6 months when not in use) to maintain its peak performance.

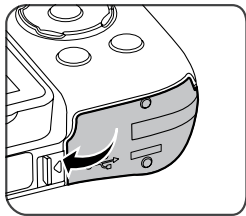


Please charge the battery indoors between 0°C and 40°C (32°F and 104°F).

3. Insert the microSD / microSDHC / microSDXC memory card (max. 1.5TB) into the memory card slot as shown in the diagram below.

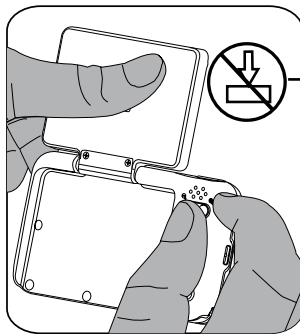
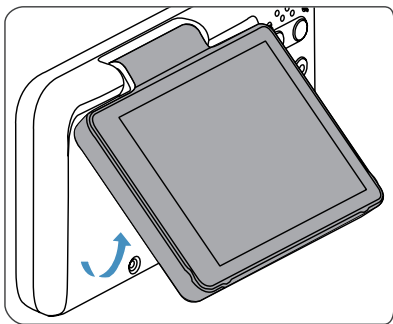


- A memory card (microSD / microSDHC / microSDXC) is optional and not included in all camera packaging. It needs to be purchased separately. Please use a genuine memory card which is Class 10 or higher and has a capacity of 4GB to 1.5TB.
 - To remove your microSD / microSDHC / microSDXC memory card, gently press the memory card to eject it and remove it carefully.
 - If a card-related error message appears in the viewfinder, remove and reinsert the card. If the error persists, use a different card.
4. Close the USB cover door as shown.



Tilting LCD (Range of motion approx. 180°)

The LCD is housed in the camera's body. You may follow the directions shown below to move it as needed:



Use care when opening the LCD flip screen. Gently flip up to open and flip down to close.

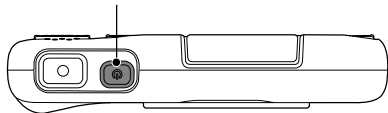
- Please use caution when opening and closing the tilting LCD screen. Using excessive force or overextending the LCD screen beyond the maximum angle of articulation (approx. 180°) could cause irreparable damage and void your warranty.

Turning Camera On and Off

Press the Power button to turn the camera on. To turn the camera off, press the Power button again.

Press the <  > and <  > buttons simultaneously to restart the camera.

Power Button



When the power is off, press and hold the Playback Button  to power on and enter Playback Mode.

How to Take Pictures

1. Hold the camera with both hands, being careful to not block the flash and lens with fingers.
2. Point the Lens toward the object you want to take a picture of, then frame it with the LCD.
3. Use the Zoom Button to select Tele or Wide positions to zoom in or out on your subject.
4. Press the Shutter Button halfway down to focus on the subject. When the focus frame turns green, press the Shutter Button all the way down completely to take the picture.

Set your Language, Date/Time

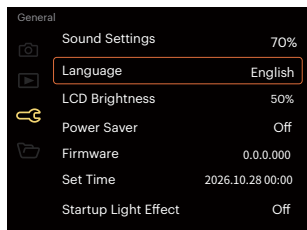
Set your Language, Date/Time after the First Power-On

1. When you turn the camera on for the first time, the language selection screen will appear.
2. Press the [▲ DISP.] / [▼ 𐄂 𐄃] buttons to select your desired language.
3. After you press the (SET) button to confirm your language selection, the [Set Time] settings screen will appear.
4. Press the [◀ 𐄂] / [▶ 𐄃] buttons to select [Region] / [Daylight Saving Time] and press the (SET) button to confirm. Press the [▲ DISP.] / [▼ 𐄂 𐄃] buttons to select an option and press the (SET) button to confirm.
5. Press the [▼ 𐄂 𐄃] button to select the [Date/Time] and press the (SET) button to enter the menu. Press the [◀ 𐄂] / [▶ 𐄃] buttons to select the adjustment block: This information is displayed in YYYY.MM.DD/HH:MM. Press the (SET) button to confirm.
6. Press the [▲ DISP.] / [▼ 𐄂 𐄃] buttons to adjust the value for the desired Date/Time. Press the (SET) button to confirm. Press the [▼ 𐄂 𐄃] button to select [Confirm] and press the (SET) button to confirm.

Resetting your Language

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

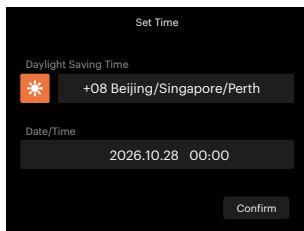
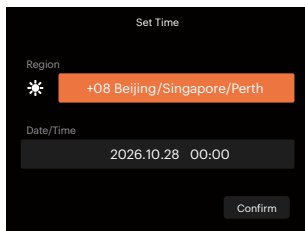
1. Press the  button and press the [▲ DISP.] / [▼  ] buttons to select . Press the  button to enter the menu.
2. Press the [◀ ] button, press the [▲ DISP.] / [▼  ] buttons to select , and press the  / [▶ ] button to enter the menu.
3. Press the [▼  ] buttons to select [Language] and press the  / [▶ ] button to enter the menu.
4. Press the [▲ DISP.] / [▼  ] buttons to select your desired language and press the  button to confirm.
5. Press the  button and the snapshot screen will appear.



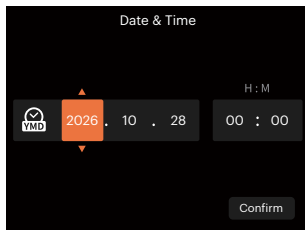
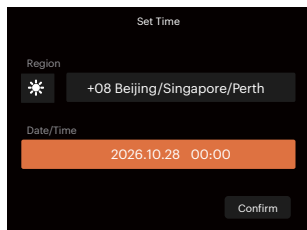
Resetting Date/Time

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

1. Press the  button and press the [▲ DISP.] / [▼ 🗑️ ⌚] buttons to select . Press the  button to enter the menu.
2. Press the [⏮️ 🌿] button, press the [▲ DISP.] / [▼ 🗑️ ⌚] buttons to select , and press the  / [▶️ ⚡] button to enter the menu.
3. Press the [▼ 🗑️ ⌚] button to select [Set Time] and press the  / [▶️ ⚡] button to enter the menu.
4. Press the [⏮️ 🌿] / [▶️ ⚡] buttons to select [Region] / [Daylight Saving Time] and press the  button to confirm. Press the [▲ DISP.] / [▼ 🗑️ ⌚] buttons to select an option and press the  to confirm.



5. Press the [▼ 🗑️ ⌚] button to select the [Date/Time] and press the (SET) button to enter the menu. Press the [⏮️ 🗑️] / [⏭️ ⚡] buttons to select the adjustment block: This information is displayed in YYYY.MM.DD/HH:MM. Press the (SET) button to confirm.
6. Press the [▲ DISP.] / [▼ 🗑️ ⌚] buttons to adjust the value for the desired Date/Time. Press the (SET) button to confirm. Press the [▼ 🗑️ ⌚] button to select [Confirm] and press the (SET) button to confirm.

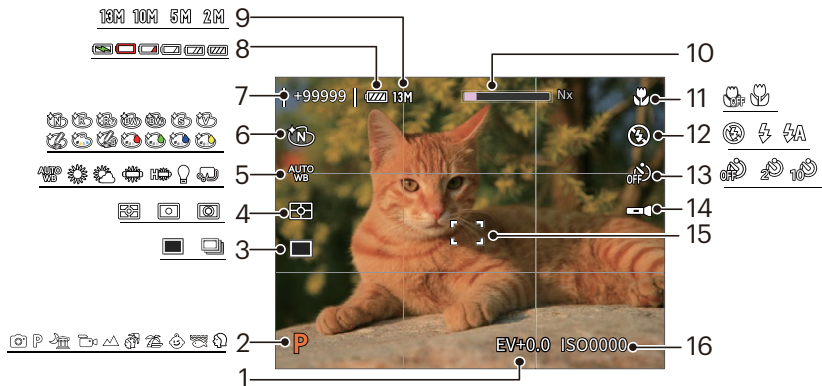


7. Press the (C) MENU button twice the time settings and the shooting screen will appear.

MODE OVERVIEW

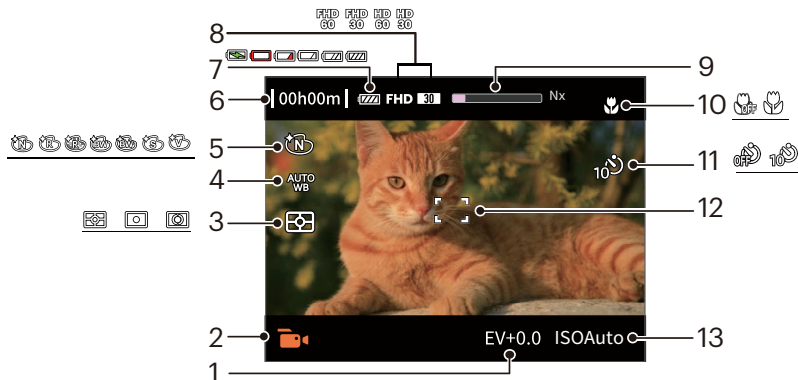
LCD Screen Display

Overview of the Screen Icons in Photo Shooting Mode



- | | | |
|------------------------------------|-----------------------------|--------------------|
| 1 Exposure Compensation (EV Value) | 7 Number of Remaining Shots | 13 Self-Timer |
| 2 Shooting Mode | 8 Battery Status | 14 Fill Light Ring |
| 3 Continuous Shot | 9 Image Size | 15 Focus Frame |
| 4 Expo Metering | 10 Zoom Display | 16 ISO Value |
| 5 White Balance | 11 Macro Mode | |
| 6 Color Effect | 12 Flash Mode | |

Overview of the Screen Icons in Movie Mode

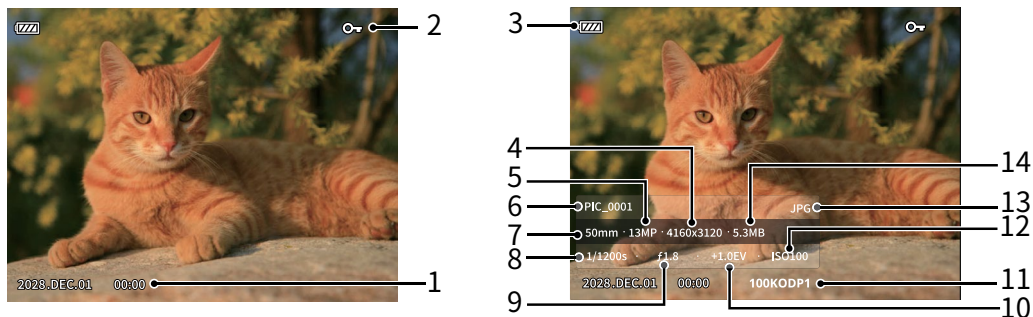


- | | | |
|------------------------------------|----------------------------|----------------|
| 1 Exposure Compensation (EV Value) | 6 Remaining Recording Time | 11 Self-Timer |
| 2 Movie Mode | 7 Battery Status | 12 Focus Frame |
| 3 Expo Metering | 8 Video Quality | 13 ISO Value |
| 4 White Balance | 9 Zoom Display | |
| 5 Color Effect | 10 Macro Mode | |



Digital Zoom can be adjusted to 4X.

Overview of the Screen Icons in Playback Mode



1 Capture Date and Time

2 File Protection

3 Battery Status

4 Resolution

5 Image Size

6 File Name

7 Focal Length

8 Shutter Speed

9 Aperture Value

10 Exposure Compensation (EV Value)

11 Folder

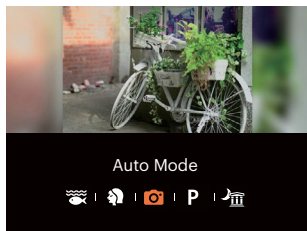
12 ISO Value

13 File Format

14 File Size

Using the Mode Button

This camera provides a convenient Mode button  that allows you to switch easily between different modes. After pressing the Mode button  to enter the Mode Selection Menu, press the []/[] button to choose the desired mode. Press the  button to confirm your selection.



Auto Mode

Auto Mode is the most common and easiest mode to take photos. While operating in this mode, the camera automatically optimizes numerous camera settings to optimally adjust settings for your photos and videos for the best possible results.

Program AE

The user can switch the ISO and EV value according to personal preference.

Night Scene

For night scenes. Use of a tripod or a flat surface to rest the camera on is recommended with this setting.

Movie Mode

Switch to this mode to record videos.

Landscape

For landscapes and outdoor shots. Vivid reproduction of greens and blues.

Backlight Portrait

When you take portraits at night, or in low light conditions, this mode automatically adjusts the exposure for people and night scenes.

Beach

For taking pictures in areas with strong sunlight.

Children

Turns flash off automatically. Avoids disturbing the subject and is suitable for taking photos of children.

Underwater

When you are in the water, you can select Underwater Mode in the Mode Selection menu to take pictures under water.

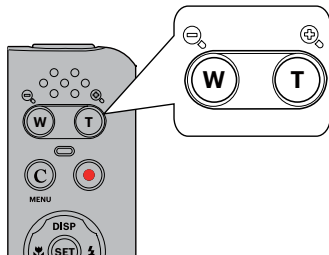
Portrait

When your camera detects the scene most suitable for capturing people, the Fill Light Ring will automatically illuminate.

BASIC OPERATION

Using the Zoom Function

Your camera is equipped with Zoom Functions (Digital Zoom). Press the Zoom button of the camera to zoom in or out on the subject while taking pictures.



Zoom Indicator

Display Setting

Press the [▲ DISP.] button to display the settings: Classic, Full, Off.

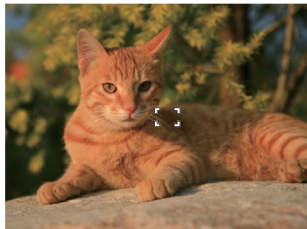
Classic: Displays the camera parameters on screen



Full: Camera parameters with Grid



Off: Does not display any additional icons on screen



During playback (▶)

Press the  button to display the playback screen, press the [ DISP.] to switch among 3 screens.

Function Message Display



No Message Display



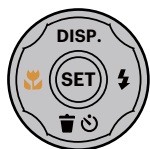
Detailed Message Display



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 [] button to enter the Macro Menu.



2. Press the []/[] buttons to select the following 2 modes:
 -  Macro Off
Select this option to disable Macro.
 -  Macro On
Select this option to focus on subjects 8cm from the lens.
3. Press the  button to confirm the settings and exit the menu.

Self-Timer Setting

Use this function to take pictures at pre-set intervals. The camera shutter speed can be set to 2 seconds or 10 seconds.

1. Press the [▼🗑️⌚] button to enter the Self-timer Menu.



2. Press the [◀🌸]/[▶⚡] buttons to select one of the following 3 modes:

-  Self-Timer Off: Disables the Self-Timer.
-  Self-Timer (2s): A single picture is shot 2 seconds after the Shutter Button is pressed.
-  Self-Timer (10s): A single picture is shot 10 seconds after the Shutter Button is pressed.

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

 When enabling the Self-timer feature, pressing the Shutter or the [▼🗑️⌚] Button can disable the Self-timer and return to the shooting screen while keeping the Self-timer setting.

Flash Mode

The flash provides supplemental light for scenes. 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 [ ] button to enter the Flash Settings Menu.



2. Press the [ ]/[ ] buttons to select one of the following 3 modes:
 -  Force Off: Flash is turned off (Please forcibly turn off the flash when taking photos of babies).
 -  Flash On: The flash will engage with each shot even if there is enough available light to take the photo without flash.
 -  Auto Flash: Camera flash goes off automatically based on lighting conditions.
3. Press the  button to confirm the settings and exit this option.

EV Setting

The EV Function Menu of the camera includes functions, such as EV and ISO. Using the appropriate Function Settings can improve your pictures.

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

1. Press the **(SET)** button to display the Settings screen.
2. Press the [**⬅️**]/[**➡️**] buttons to select the Setting options.



3. Press the [**▲** DISP.]/[**▼**] buttons to adjust the option values.
4. Press the **(SET)** button to complete the setting and enter Shooting Mode.

Exposure Compensation

Set up Exposure Compensation to adjust the picture brightness. If there is very high contrast between the photographed object and the background, the brightness of the picture can be adjusted as necessary.

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.

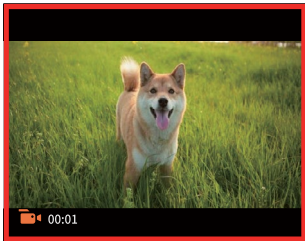
Pictures taken at higher ISO settings will generally have more noise than those taken at lower ISO settings. The camera's ISO settings include: Auto, 100, 200, 400, 800 and 1600.

Please refer to the table below to see if there are any non-adjustable options in Shooting Modes:
(O: Available X: Not available)

Options \ Shooting Modes										
	O	O	X	O	O	X	X	X	O	O
	O	O	O	O	O	O	O	O	O	O
	O	O	O	X	X	O	O	X	O	O
EV	X	O	O	O	O	X	X	X	O	O
ISO	X	O	O	X	O	X	X	X	O	O

Using Fast Video Recording

In the Photo Shooting Mode, press the Fast Video Recording Button (📹) to begin recording video.



Once you are finished, press the Fast Video Recording Button (📹) or the Shutter Button to stop and store the video. The camera will return to the Shooting Mode automatically.

Fill Light Ring

Provide soft and uniform lighting for the subject in low light environments, making the image clearer and more delicate.

Press the (📷) button to select the following 4 options:

- Off
- Cool White Light (7100K)
- White Light (5300K)
- Warm Light (2500K)

⚠ CAUTIONS

- **It is prohibited to use the flash directly aimed at people's eyes.**

Strong light may cause temporary vision impairment, glare or eye fatigue. It is dangerous especially for children.

- **Do not keep the Fill Light Ring flash on for a long time in high-temperature or enclosed environments.**

Using the Fill Light Ring for flash under intense summer sun, inside a car or in a closed small bag may accelerate battery aging, cause battery bulging or increase the risk of spontaneous combustion.

- 📄 The Fill Light Ring will turn off automatically after no operation on the shutter button for a period of time, it will light up again when the shutter button is pressed again.

Using the Menu Button

Modes:         

1. In each mode, press the  button to enter the Function Menu.

-  [Menu](#)
-  [Color Effect](#)
-  [White Balance Setting](#)
-  [Exposure Metering](#)
-  [Burst](#)

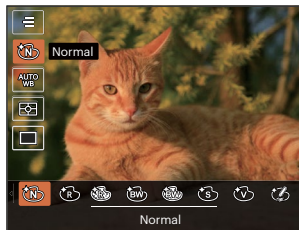


Different features are enabled for each mode, please refer to page 43 of this manual for details.

2. Press the [ DISP.] / [  ] buttons to select the function to be set.
3. Press the [ ] / [ ] buttons to select options of the function to be set and then press the  button to confirm.

Color Effect

The image color setting allows you to select different color effects.



-  Normal
-  Retro
-  Grainy : Retro
-  Black and White
-  Grainy : BW
-  Sepia
-  Vivid
-  Colored Pencil
-  Negative
-  Sketch
-  Partial Color-Red
-  Partial Color-Green
-  Partial Color-Blue
-  Partial Color-Yellow

White Balance Setting AUTO WB

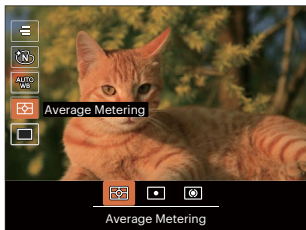
The white balance setting allows you to adjust the color temperature for different lighting scenes to ensure the most accurate color reproduction.



- AUTO WB AWB
-  Daylight
-  Cloudy
-  Fluorescent (warm)
-  Fluorescent (cool)
-  Incandescent
-  Underwater

Exposure Metering

Use this setting to select the “target” size of the camera’s field of view to be metered.



-  **Average Metering:** Automatically selects the central and peripheral metering, to calculate the reasonable value of metering by weighting.
-  **Spot Metering:** Metering targets a small area in the center of the camera’s field of view.
-  **Center Metering:** Metering targets a slightly larger area in the center of the camera’s field of view.

Burst

Use this setting to perform continuous shooting. After entering this mode, you can shoot multiple images by continuously holding the Shutter Button down.



-  **Single**
-  **Burst Shot**

-  The flash is disabled in Continuous Shot Mode in order to achieve quick succession of shots.
-  Press and hold the Shutter Button to start continuous shooting.

· Options in the Shooting Modes (O: Available X: Unavailable)

Options	Shooting Modes									
		P								
	O	O	O	O	O	O	O	O	O	O
	O	O	X	O	O	X	X	O	X	X
	X	O	X	X	O	X	X	X	O	O
	O	O	O	O	O	O	O	O	O	O
	O	O	X	X	X	X	O	O	O	O

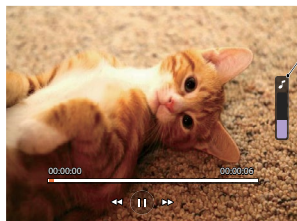
PLAYBACK

Viewing Photos and Videos

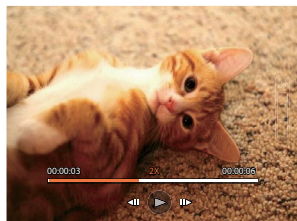
To view captured photos and video clips on the LCD:

1. After pressing the  button, the last photo or video clip taken will be displayed on the LCD.
2. Use the []/[] buttons to scroll through the photos or video clips stored on the built-in memory or on the Memory Card in the camera.
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.



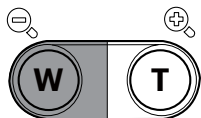
Mute



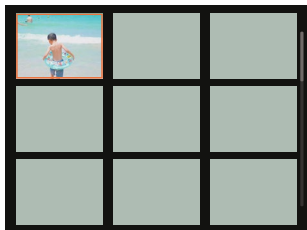
Under Playback		Paused	
Button/Icon	Description	Button/Icon	Description
 	Rewind -2x~4x	 	Frame Backward
 	Play	 	Pause
 	Fast Forward 2x~4x	 	Frame Forward
 DISP. 	Increase Volume		
 	Decrease Volume (Mute)		

Thumbnail View

When in Playback Mode, press the  **W** on the Zoom button to display thumbnail images of photos and videos on the screen.



1. Slide the Zoom button to switch the display to 3 x 3 thumbnails.
2. When a 3 x 3 thumbnail is displayed, press the arrow buttons to select the 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.



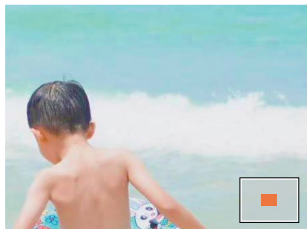
Press the  button to restore a preview icon to its original image size.

Using Zoom Playback (for Still Pictures Only)

When playing back photos, you can also use the Zoom Button to zoom in on the photos, x2 to x4 times their original magnification.



1. Press the []/[] buttons to select the picture on which to use the zoom feature.
2. Press the **T** on the Zoom Button to zoom in.
3. The bottom right corner of the screen will display the area of the photo shown.



4. Press the arrow buttons to navigate and select the desired portion of the photo to be zoomed in on.
5. Press the button to return the image to its original scale.

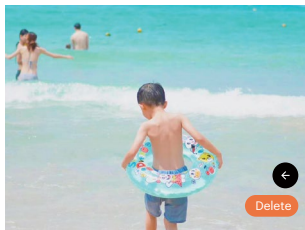
- Movie images cannot be magnified.
- Please note: This camera's LCD is only capable of displaying a fraction of the detail and resolution of the actual photo or video file. Once photos/videos are downloaded to your computer, you will see the full resolution of the photo/video file captured.

Photos and Video Deletion

In Playback Mode, press the [▼🗑️👤] button to select your desired photos and videos.

To delete photos or videos:

1. Press the (⏮) button to switch to Playback Mode.
2. Press the [⏮🗑️]/[⏭🔌] buttons to select the photos and videos to be deleted.
3. Press the [▼🗑️👤] button and the deletion screen is displayed.



4. Press the [▲ DISP.]/[▼🗑️👤] buttons to select [Delete] or (⏮) and press the (SET) button to confirm.



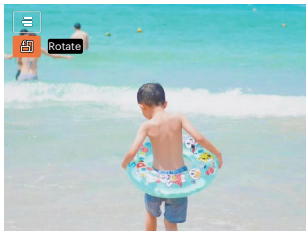
Erased photos/video clips cannot be recovered.



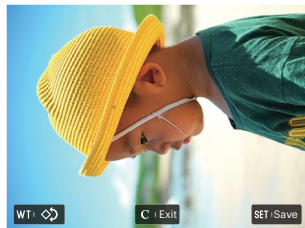
Please refer to 55 for instructions on deleting more than one image at a time.

Single playback

1. Press the  button to switch to Playback Mode.
2. Press the []/[] buttons to select the photos or videos you want.
3. Press the  button to show/hide the playback Fn menu, press the [ DISP.]/[] buttons to select a Fn menu and press the  button to confirm.



■ Rotate



1. Press the  button to the end, the photo rotates counterclockwise; Press the  button to the end, the photo rotates clockwise.
 2. Press the  button to save it and overwrite the original.
 3. Press the  button to return to the single playback screen.
-  Movie files or protected photos cannot be rotated.

USING THE MAIN MENU

Mode:          

1. In each mode, you can press and hold the  button to go directly to the Main Menu screen. Alternatively, press the  button and select , then press the  button to enter the Main Menu screen.
2. Press the [ ] button, press the [ DISP.] / [  ] buttons to select the menu to be set and press the  / [ ] button to confirm.
 -  [\[Capture\] Menu](#)
 -  [\[Playback\] Menu](#)
 -  [\[General\] Menu](#)
 -  [\[Media\] Menu](#)
3. Press the [ ] / [ ] buttons to select the item to be set and press the  / [ ] button to confirm.
4. Press the [ DISP.] / [  ] / [ ] / [ ] buttons to select an option and press the  button to confirm.

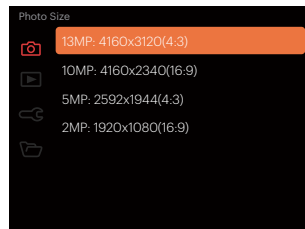
Capture Menu

There are the following options in the [Capture] Menu:

- [Photo Size](#)
- [Video Size](#)
- [Quality](#)
- [Date Stamp](#)
- [Preview](#)
- [AF Assist Beam](#)

Photo 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 photo image quality.



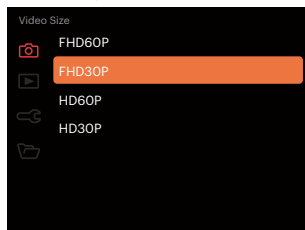
- 13M: 4160 x 3120 (4:3)
- 10M: 4160 x 2340 (16:9)
- 5M: 2592 x 1944 (4:3)
- 2M: 1920 x 1080 (16:9)



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

Video Size

Set the image resolution used during video recording.



- FHD 16:9 1920 x 1080 60 fps
16:9 1920 x 1080 30 fps
- HD 16:9 1280 x 720 60 fps
16:9 1280 x 720 30 fps

The speed requirements for reading and writing high-resolution images to an SD card are as follows:

No.	Image Pixels	Frames	Recommendation	Recording Time (32GB) About
1	1920×1080 *	60	Class 10	225 Minutes
2	1920×1080 *	30	Class 10	318 Minutes
3	1280×720	60	Class 10	544 Minutes
4	1280×720	30	Class 10	967 Minutes



* 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.

Quality

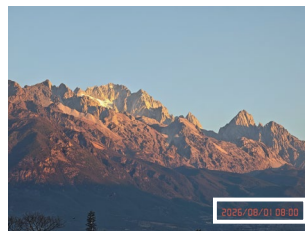
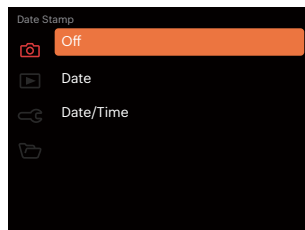
The quality setting can be used to adjust the image compression ratio.



- JPG Best 13M Average File Size: 1.45MB
- JPG Fine 13M Average File Size: 1.11MB

Date Stamp

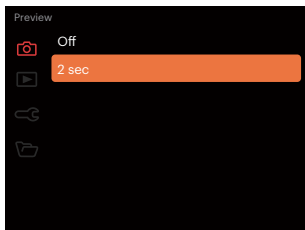
Include a Date/Time stamp on the photo image.



- Off
- Date
- Date/Time

Preview

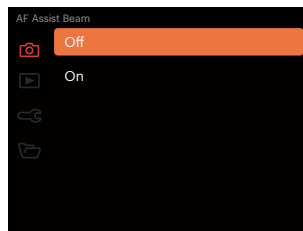
This option allows quick review of the photos immediately after they are taken. Each photo is displayed on the LCD screen based on the selected time.



- Off
- 2 sec

AF Assist Beam

In a darker environment, the AF assist beam setting can be turned on for better focus.



- Off
- On

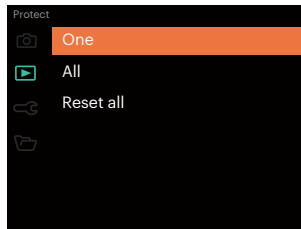
Playback Menu

There are the following options in the [Video] Menu:

- [Protect](#)
- [Delete](#)

Protect

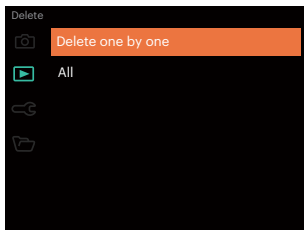
To prevent any pictures or videos from being accidentally erased, use this setting to lock one or all of the files stored on the memory card.



- One: Lock the selected photo or video if they are unprotected; unlock the selected photo or video if they are protected.
- All: Lock all photos or videos.
- Reset All: Cancel all locked photos or videos.

Delete

You can delete one or all photo/video files.



- Delete one by one: Delete photo / video files one by one.
- All: Delete all photos or videos.

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

 Deleted files will be permanently deleted and will not be able to be recovered or restored.

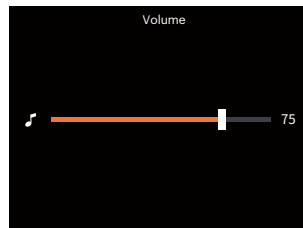
General Menu

There are the following options in the [General] Menu:

- [Sound Settings](#)
- [Language](#)
- [LCD Brightness](#)
- [Power Saver](#)
- [Firmware](#)
- [Set Time](#)
- [Startup Light Effect](#)

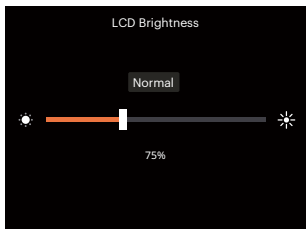
Sound Settings

With this setting you may adjust the sound volume.



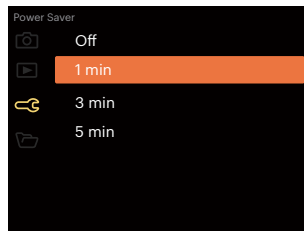
LCD Brightness

Use this setting to adjust the brightness of your LCD.



Power Saver

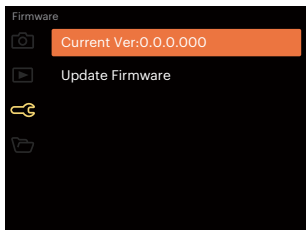
This setting allows you to save power and get the maximum possible running time for your camera's batteries.



Setting and adjusting your camera's LCD brightness to the lowest setting will help conserve your camera's battery life and longevity. Using the LCD screen on the brightest setting will drain your batteries more quickly.

Firmware

Use this setting to view the current camera firmware version.

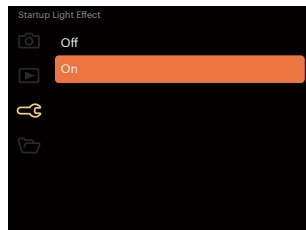


When there is a new firmware version in the memory card, select [Update Firmware] and then select [Yes] to update.



Startup Light Effect

You can use this camera setting to save power and extend battery life.



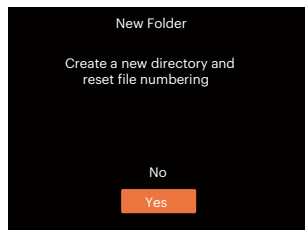
Media Menu

There are the following options in the [Media] Menu:

- [New Folder](#)
- [SD Card Format](#)
- [Reset](#)
- [Licenses](#)

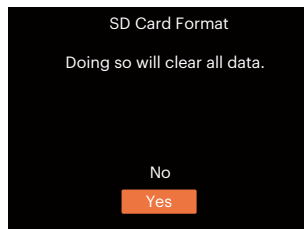
New Folder

Create a new directory and reset file numbering.



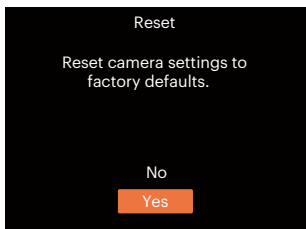
SD Card Format

Please Note: formatting enables you to delete all contents on the memory card, including protected photo and movie files.



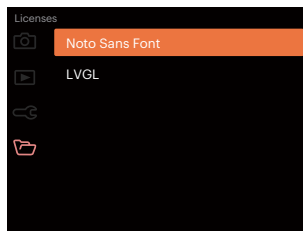
Reset

Use this setting to restore the camera to its original factory default settings.

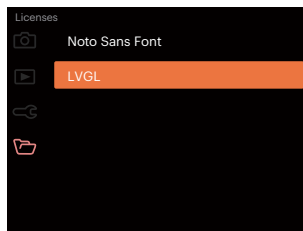


Licenses

Check more information about the fonts used in this manual such as the open authorization.



View the copyright statement information.



CONNECTION SETTINGS

Connecting to a Computer

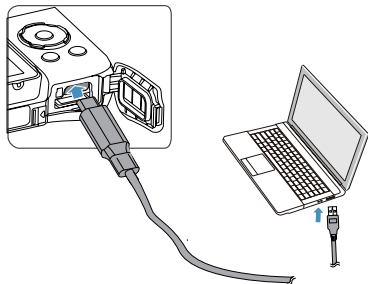
You can use a USB cable to connect the camera and copy (transmit) photos to a computer or other device.

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 camera and the computer are 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 an available USB port on your computer.
4. After the transmission is complete, disconnect the USB cable according to your computer manufacturer's instructions specifying how to safely remove USB devices.



Viewing Images on Computer

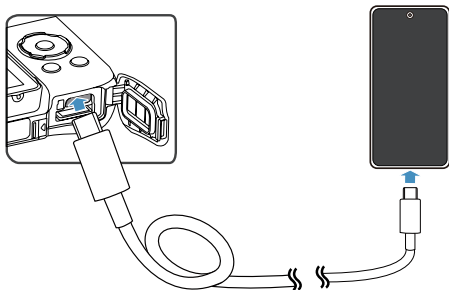
Display transferred images on a standard image viewer etc. that an OS has. For details about viewing images, see the help menu on the viewer.

Supported OS==>Windows: Windows® 11/10/8.1

Mac OS® 10.15/11/12/13/14

Connecting to a smartphone

You can use a Type-C USB cable (Sold separately) to connect the camera to a smartphone. It is capable of realizing movie and photo playback that taken by your camera on the smartphone.



The smartphone must support the OTG protocol.



If some smartphones cannot connect successfully with the camera, it is not the camera's problem.

APPENDICES

Specifications



Design and specifications are subject to change without notice.

Image Sensor	Type	1/3"BSI CMOS
	Effective Pixels	13.00 Megapixels
Lens	Focal Length	3.57mm
	35mm Film Equivalent	26mm
	F Number	F2.0
	Lens Construction	5 elements
	Optical Zoom	Fix Focus
	Focusing Range	Normal: (Wide) 60cm ~ ∞ Macro: 8cm ~ ∞
Autofocus System		TTL Autofocus
Digital Zoom		4x Digital Zoom

Number of Recording Pixels	Still Image	(4:3) 13MP: 4160 x 3120 5MP: 2592 x 1944	(16:9) 10MP: 4160 x 2340 2MP: 1920 x 1080
	Movie	1920 x 1080 (60fps)、1920 x 1080 (30fps)、1280 x 720 (60fps)、1280 x 720 (30fps)	
Image Compression		Best, Fine	
DCF Support		Yes	
File Format	Still Image	Exif 2.2 (JPEG)	
	Movie	MOV (Image: H.264), Audio: Linear PCM [Monaural]	
Shooting Modes		Auto Mode, Program AE, Night Scene, Movie Mode, Landscape, Backlight Portrait, Beach, Children, Underwater, Portrait	
Waterproof / Dustproof		JIS / IEC waterproof grade 8 (IPX8) / JIS / IEC dustproof grade 6 (IP6X)	
LCD	Display	2.8 inch (920k Pixels)	
	Angle Adjustment	Tilt (upwards approx. 180°)	

G-Sensor		Yes
ISO Sensitivity		Auto, ISO100/200/400/800/1600
AF Method		Single AF
Exposure Metering Method		Average Metering, Spot Metering (Fixed to Center of Frame), Center Metering
Exposure Control Method		Program AE
Exposure Compensation		±2EV in 1/3 Step Increments
Shutter	Type	Electronic Shutter
	Speed	1/10000 ~ 2 Seconds
Continuous Shooting		Yes
Playback Modes		Single Photo, Index (9 Thumbnails)
		Zoom (Approx. x2 ~ x4)
White Balance Control		AWB, Daylight, Cloudy, Fluorescent (warm), Fluorescent (cool), Incandescent, Underwater

Flash	Flash Method	Internal
	Flash Modes	Force Off, Force On, Auto Flash
Fill Light Ring		Cool White Light (7100K), White Light (5300K), Warm Light (2500K)
Recording Media		microSD/microSDHC/microSDXC Card (Up to 1.5TB Support) [MMC Card not supported]
Multi-Language Support		27 Languages
Jacks		USB 2.0 (Type-C)
Power		Built-in Li-ion Battery, 3.7V 700mAh, In-Camera Charging
Battery Charging Time		Approx. 2.5H (Use AC Adapter and Battery is Exhausted)
Shooting Capability (Battery Performance)		Approx. 200 Shots (Based on CIPA Standards) Approx. 1h 30min for Video (@1080/30fps)
Operation Environment		Temperature: 0 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W×H×D)		Approx. 105.5 × 63 × 22.5mm (Based on CIPA Standards)
Weight		Approx. 135g (Body Only)

Prompts and Warning Messages

Message	Description	Action
Change Successful	This message will display after editing the image in single playback.	This message will disappear after 4 seconds or press any key to dismiss the message.
Protected! Undeletable!	This message will be displayed on the image immediately when executing delete action to the protected files.	
This image cannot be edited.	The file format is not allowed to be edited or the file is not allowed to be edited.	
NO FILES	There is no file in the camera or the card. This message will display when pressing the Playback button.	
All of files are protected.	This message will be displayed when all of files executing protect action.	
All protected files were reset successfully.	Unprotect all files.	
Suggest using tripod.	When Night Scene is enabled, this prompt message will be displayed.	

Message	Description	Action
Please update firmware after the battery is fully charged!	The firmware cannot be updated when power is less than 50%.	This message will disappear after 5 seconds and return the previous screen.
Warning ! Battery exhausted.	Warning before power off when the camera battery is exhausted.	The camera will automatically shut down in 5 seconds.
Exceeded maximum folder limit.	This indicates that the memory card exceeded the maximum number of folders (999).	This message will disappear after 5 seconds and return the previous screen.
USB Mode: Mass Storage Export files to PC or mobile.	Connect the USB cable and switch to Mass Storage Mode.	The message is displayed until remove the USB cable.
No card present.	The memory card is not inserted. The message will be displayed until select [OK] to return to shooting.	Turn off the camera and insert a SD card.
Card Full!	Indicates that the memory card is full. The message will be displayed until select [OK] to return to shooting.	Replace memory card with another that has available memory.

Message	Description	Action
Card is not formatted. Please format card with this camera.	The message will appear when an error occurs in the memory card.	Select [FORMAT] to format the memory card or select [NO] to return to shooting.
Replace SD card and check storage space.	Indicates that the memory card is full.	The message will be displayed until select [EXIT] to return to shooting or select [NEXT].
If another SD card is inserted, please press [Reset].	This indicates that the memory card exceeded the maximum number of folders.	The message will be displayed until select [NO] to return to shooting or select [RESET] to reset the folder number.
Unable to Format SD Card. Your SD card might be defective.	Formatting failed twice.	The message will be displayed until select [OK] to return to shooting.

Troubleshooting

Problem	Possible causes	Solution
Camera turns off suddenly during operation	■ The battery has been depleted.	■ Please charge the battery.
Images and video files cannot be saved	■ The memory card is full.	■ Use another memory card or delete unnecessary files.
Saving data to memory card is slow	■ Using a memory card below Class 10 may result in slower recording times.	■ Use a memory card with Class 10 or higher standard to improve performance.
Too many movies to process	■ The number of pictures or folders in the memory card exceed the specifications, so the playback can not be displayed.	■ Delete unwanted files.

Memory Card Compatibility

• Cards compatible with this camera (√ : Compatible X: Not Compatible)

	micro SD	micro SDHC	micro SDXC	Conversion adapter to SD card	SD	SDHC	SDXC
Format	FAT12, 16	FAT32	exFAT	-	FAT12, 16	FAT32	exFAT
Capacity	Up to 2GB	4-32GB	64GB-2TB	-	Up to 2GB	4-32GB	64GB-2TB
Compatibility	√	√	√	X	X	X	X

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)

	Speed Class	UHS Speed Class	Video Speed Class	Video Recording	
				FHD	HD
90MB/sec			V90	O	O
60MB/sec		UHS-III	V60	O	O
30MB/sec		UHS-I	V30	O	O
10MB/sec	Class 10		V10	O	O
6MB/sec	Class 6			X	X
4MB/sec	Class 4			X	X
2MB/sec	Class 2			X	X

Card file formats

microSD cards will be formatted in FAT12/16, microSDHC cards in FAT32, and microSDXC in exFAT.

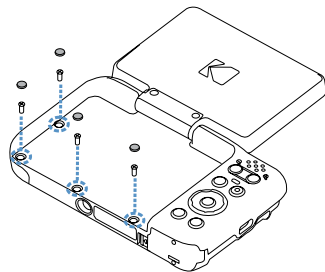
-  Caution It may not be possible to use microSDXC cards formatted with this Camera in other Cameras. Also note that exFAT-formatted cards may not be recognized by some computer operating systems or card readers.
-  Formatting or erasing data on a card does not completely erase the data. Be aware of this when selling or discarding the card. When disposing of cards, take steps to protect personal information if necessary, as by physically destroying cards.
-  This device incorporates exFAT technology licensed from Microsoft.

Before Disposal

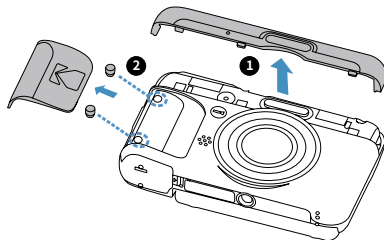
-  DISPOSE OF USED BATTERIES ACCORDING TO LOCAL REGULATIONS.
-  A screwdriver for M1.7 Phillips head screws is recommended for screw removal.
-  Only attempt this if you are qualified. Opening the camera will void the warranty.

1. Turn the Camera off.

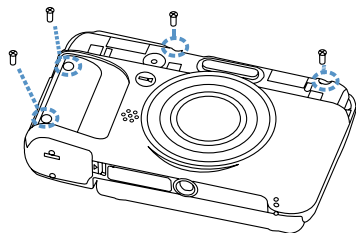
2. Remove the rubber pads*4 on the back cover and use a cross-head screwdriver to remove the screws (4 screws).



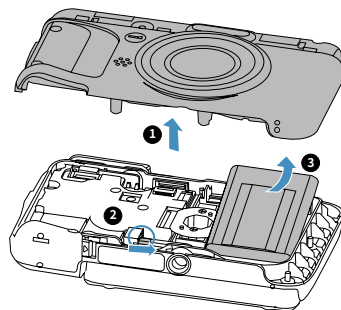
3. Remove the front cover panel as shown in Figure ①. Then remove the silicone handle as shown in Figure ②. Finally, take out the screw plugs*2 of the handle.



- 4. Remove the screws. There are screws (4 screws) in total.**



- 5. Remove the front cover in the indicated direction as shown in Figure ①. Disconnect the connector as shown in figure ②. Lift up and remove the battery as shown in the figure ③.**



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