

# KODAK PIXPRO FZ43

DIGITAL CAMERA

## User Manual



# BEFORE YOU START

## Declaration of Conformity

Responsible Party: JK Imaging Ltd.

Address: JK Imaging Ltd., 17239 So. Main Street, Gardena, CA 90248 USA

Company Website: [kodakpixpro.com](http://kodakpixpro.com)

## For Customers in the U.S.A.

### 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.



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

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

## 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.

- 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

## 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, such as 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 battery and the memory card and dry it 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.
- 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 cleansers or solvents.
- Use a professional lens cleaning cloth and appropriate cleaner to wipe and clean the lens.
- Download your photos and remove the memory card when you are going to store the camera for long periods 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.
- Our company will not pay compensation for any failure of playback including: pictures or videos damaged or unrecoverable by improper operation.

## Safety Notes for Batteries

- If battery fluid leaks inside the camera, contact our customer service department immediately. If battery fluid leaks onto your skin, rinse your skin immediately with clean water and seek immediate medical attention.
- Disposal of used batteries should be carried out in accordance with your local (national or regional) regulations.
- To prevent batteries from being damaged, do not drop batteries or allow them to hit solid objects or to be scratched by foreign objects.
- Do not let batteries come in contact with metal objects (including coins) to avoid short circuiting, discharging, excessive heat or possible leakage.
- Do not attempt to disassemble batteries.
- Do not expose batteries to water. Always keep battery contacts dry.
- Do not heat batteries or throw them into a fire to avoid a possible explosion.
- Do not store batteries in a hot environment or in direct sunlight.

- When the camera is stored for a long period of time, remove the batteries and keep them in a safe, dry place that is not accessible to infants and children.
- In colder environments, the performance of the batteries could be noticeably reduced.
- When you install the batteries, align the battery markings according to the positive and negative markings inside the camera battery compartment. Never force batteries into the battery compartment.

## Safety Notes for Memory Cards

- We highly suggest buying only well-known, name brand memory cards to ensure peak performance and reliability.
- Format the memory card using the camera before you use it or insert 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.
- 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, 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 FZ43 camera are 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 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

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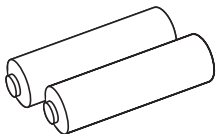
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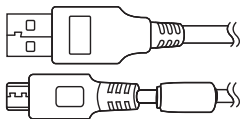
# GETTING READY

## Accessories Included

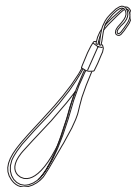
Your camera box should contain the camera model you purchased along with the following accessories. If anything is missing or appears to be damaged, please contact your retailer first or our customer service center.



AA Alkaline Battery x 2



Micro USB Cable



Wrist Strap



Quick Start Guide

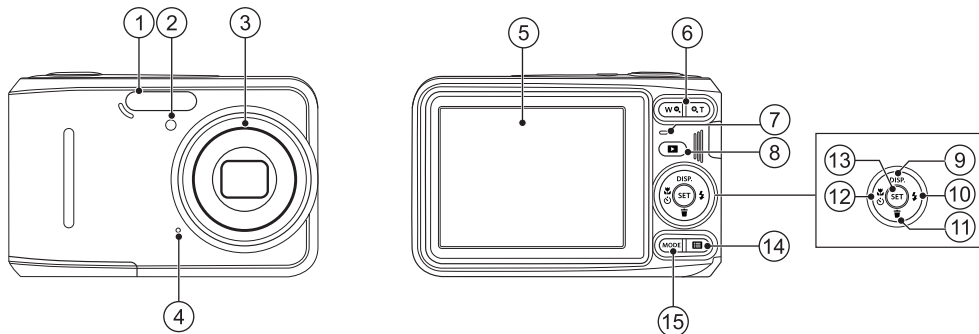


Warranty Card

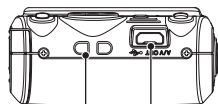


Service Card

## Part Names

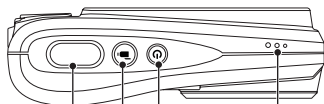


1	Flash Lamp	6	Zoom Button	11	Delete Button/Arrow Button (Down)
2	AF Assist Beam/ Self-Timer Lamp	7	Indicator Lamp	12	Macro Button/Self-Timer Button/ Arrow Button (Left)
3	Lens	8	Playback Button	13	SET Button
4	Microphone	9	Display Button/Arrow Button (Up)	14	Menu Button
5	LCD	10	Flash Button/Arrow Button (Right)	15	Mode Button



16

17

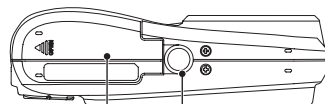


18

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21



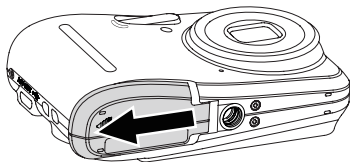
22

23

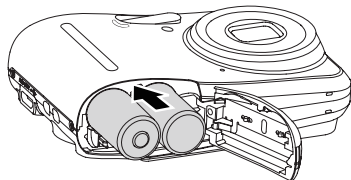
16	Strap Eyelet	19	Fast Video Recording Button	22	Battery Cover
17	Micro USB/AV Port	20	Power Button	23	Tripod Socket
18	Shutter Button	21	Speaker		




## Installing AA Batteries and Memory Card

1. Open the battery cover door.

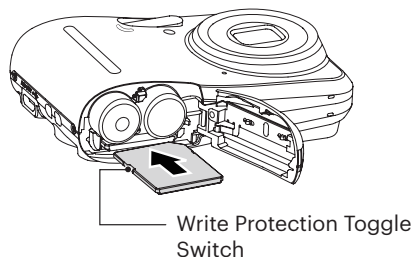


2. Insert the AA batteries into the battery slot in the correct direction as shown in the following diagram:

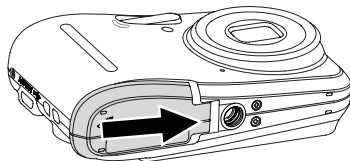



-  Please use brand name batteries (such as Energizer® or Duracell®) for optimal performance. Do not mix new and old batteries or use different brands of batteries. When replacing batteries, please replace all 2 batteries at the same time.
-  The performance and life expectancy of alkaline batteries will vary depending on the brand.
-  Do not mix alkaline, standard (carbon-zinc), or rechargeable (ni-cad, ni-mh, etc.) batteries.


3. Insert the memory card into the memory card slot as shown in the diagram below:



4. Close the battery cover door.



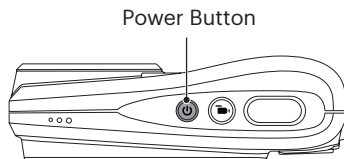
 A memory card (SD/SDHC) is optional and not included in all camera packaging. It needs to be purchased separately. Please use an original memory card which is Class 4 or higher and has a capacity of 4GB to 32GB.

 To remove your memory card, open the battery cover door, gently press the memory card to eject it and remove it carefully.



## Turning Camera On and Off

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



When the power is off, press and hold the play button to power on and enter Playback mode.

## Set your Language, Date/Time









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

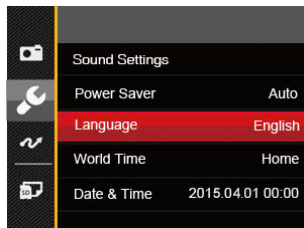
1. When you turn the camera on for the first time, the language selection screen appears.
2. Press the arrow buttons to select your desired language.
3. After you press the **SET** button to confirm your language selection, the Date/Time settings screen will appear.
4. Press the left/right arrow buttons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



## Resetting your Language









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

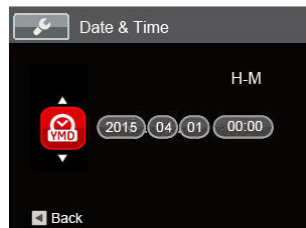
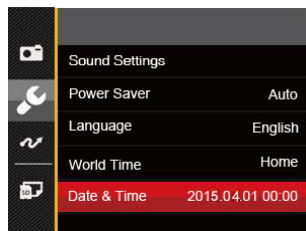
1. Press the  button and press the up/down arrow buttons to select . Press the  button to enter the menu.
2. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
3. Press the up/down arrow buttons to select [Language] and press the  button or right arrow button to enter the menu.
4. Press the arrow 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 up/down arrow buttons to select . Press the  button to enter the menu.
2. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
3. Press the up/down arrow buttons to select [Date & Time] and press the  button or right arrow button to enter the menu.
4. Press the left/right arrow buttons to select the Date/Time to be adjusted: Time is displayed in YYYY.MM.DD/HH:MM.
5. Press the up/down arrow buttons to press the value for your selected entry. After you finish your settings, press the  button to confirm.
6. Press the  button and the following snapshot screen will appear:

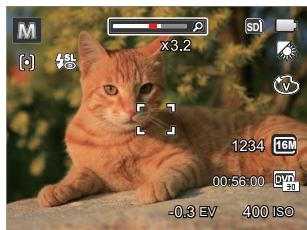


# MODE OVERVIEW

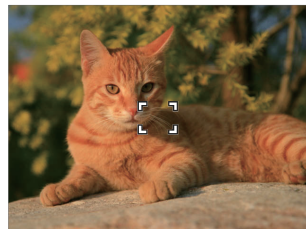
## Display Setting

Press the **DISP** button to display the settings:  
Classic, Full, Off.

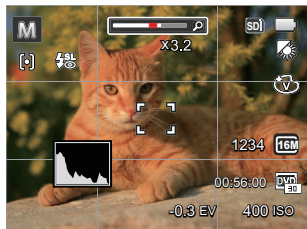
Classic: Displays the camera parameters on screen



Off: Does not display any additional icons on screen

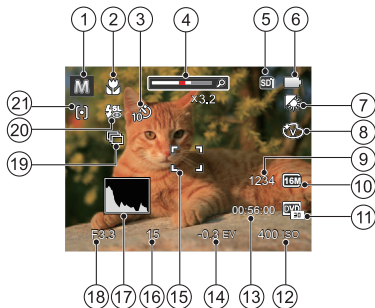


Full: Camera parameters with Grid and Histogram



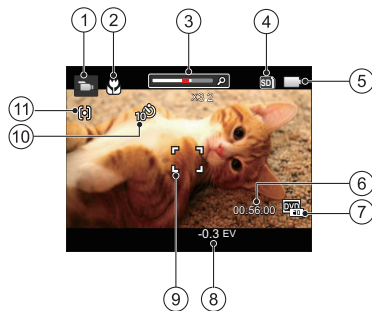
## LCD Display

### Overview of the Screen Icons in Photo Shooting Mode



1. Shooting Mode
2. Macro Mode
3. Self-Timer
4. Zoom Display (Visible when pressing the Zoom button)
5. SD Memory Card/Built-In Memory
6. Battery Status
7. White Balance (Adjustable in **M** mode)
8. Color Effect (Adjustable in **M** mode)
9. Number of Remaining Shots
10. Image Size
11. Video Quality
12. ISO Value (Adjustable in **M** mode)
13. Remaining Recording Time
14. Exposure Compensation (EV value) (Adjustable in **M** mode)
15. Focus Frame
16. Shutter Speed
17. Histogram
18. Aperture Value
19. Continuous Shot
20. Flash Mode
21. AF Mode

## Overview of the Screen Icons in Movie Mode



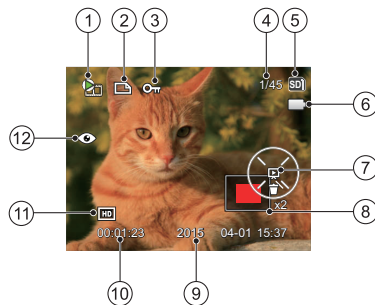
1. Movie Mode
2. Macro Mode
3. Zoom Display (Visible when pressing the Zoom button)

4. SD Memory Card/Built-In Memory
5. Battery Status
6. Remaining Recording Time
7. Video Quality
8. Exposure Compensation (EV value)
9. Focus Frame
10. Self-Timer
11. AF Mode



For optimal video shooting, it is recommended that an 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.

## Overview of the Screen Icons in Playback Mode








1. Film File
2. DPOF File
3. File Protection
4. Memory Space (indicating the current number of photos and total number of photos)
5. SD Memory Card/Built-In Memory
6. Battery Status
7. Slide Setting/Film Playing
8. Zoom Magnification Area
9. Shooting Date
10. Film Length/Number of Photos with Burst Shooting
11. Video Quality
12. Red-Eye Reduction



## Using the Mode Button

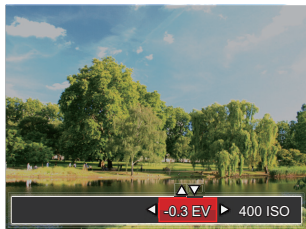
This camera provides a convenient mode button that allows you to manually switch among different camera settings with ease. Available modes are listed below:

Mode Name	Icon	Description
Manual Mode		Many of the camera settings can be configured manually in this mode.
Auto Mode		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.
Movie Mode		Record videos.
Panorama Mode		In this mode, up to 4 frames can be stitched together to create a single panoramic photo.
Scene Mode		Choose from 23 different pre-set scene types and effects for your photos.

## Manual Mode

When selecting **M** (Manual Mode), you can set EV/ISO.

1. Press the **MODE** button to select Manual Mode (**M**), press the **SET** to confirm.
2. Press the **SET** button.



3. Press the left/right arrow buttons to select an adjustment setting.
4. Press the up/down button to adjust the parameters.
5. Press the **SET** button to confirm the settings and enter the shooting screen.


## Auto Mode

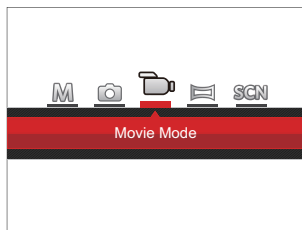
Auto mode is the most common and easiest mode to take photos. While operating in this mode, the camera automatically optimizes numerous camera settings to optimally adjust settings for your photos and videos for the best possible results.

Follow these steps:

1. Press the **MODE** button to select Auto Mode (**📷**).
2. Compose your picture in the LCD and press the shutter button halfway down to focus on the subject.
3. The LCD will show a green focus frame when the subject is in focus.
4. Fully press down the shutter button to take your photo.

## Movie Mode

1. Press the **MODE** button to select Movie Mode (  ).




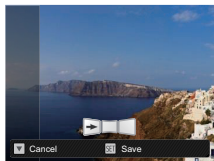
2. Press down the Shutter Button to start recording.
3. Once you are finished, press the Fast Video Recording Button or the Shutter Button to stop recording and return to the shooting screen.

## Panorama Mode

With Panorama Mode, you can take a series of pictures which will be stitched automatically into an ultra-wide panoramic picture by the camera.

Follow the steps below:

1. Press the **MODE** button to select Panorama Mode (  ).
2. Use the left/right buttons to specify the direction of picture taking, and then in 2 seconds the panoramic sequence will commence automatically.
3. Compose the first view of the panoramic picture on the LCD and press the shutter button to capture the image.



4. After the first shot is taken, the semi-transparent image of the first shot will appear at the edge of the screen. You can use this image to compose and align your next picture before you press the shutter button to capture and finish manual stitching.
5. If continuous pictures are less than 4 shots, press the **SET** button, the camera will automatically stitch the pictures together. Press the Playback button to enter Playback Mode to see the finished effect.
6. If you take 4 pictures, the camera will stitch the pictures together automatically. Press the Playback button to enter Playback Mode to see the finished effect.



In Panorama Mode, the Flash, Self-Timer, Macro Modes and Exposure Compensation are not available.


























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

## Scene Mode

You can select your desired scene from the 23 preset modes according to the type of environment you are shooting in. The camera then automatically configures the most appropriate settings for the best possible photos.

Press the **[MODE]** button to select **SCN** Mode. Press the arrow buttons to select a scene, and press the **[SET]** button to confirm.

Scene	Description
 <b>Auto Scene</b>	Identifies the scene automatically; Portrait, Backlit Portrait, Landscape, Macro, Night Landscape, Night Portrait and Auto.
 <b>Landscape</b>	For landscapes and outdoor shots. Vivid reproduction of greens and blues.
 <b>Sport</b>	For fast-moving subjects. Captures sharp, action shots with minimal blur. This mode is not recommended for shooting indoors.
 <b>Beach</b>	For taking pictures in areas with strong sunlight.
 <b>Sunset</b>	For sunsets. Captures subjects in strong sunlight.
 <b>Fireworks</b>	For fireworks at night. Use of a tripod is recommended with this setting.
 <b>Night Landscape</b>	For night scenes. Use of a tripod is recommended with this setting.
 <b>Snow</b>	For snowy conditions. Reproduces natural, clear, white scenes.
 <b>Children</b>	Turns flash off automatically. Avoids disturbing the subject and is suitable for taking photos of children and pets.
 <b>ID</b>	For shooting ID size photos. (It is recommended to print using 6-inch 4R (4" X 6") photographic paper).








Scene	Description
 Glass	For objects behind transparent glass.
 Photo Frame	For adding interesting frame effects to the photo.
 Panning Shot	Suitable for capturing fast moving objects to have a clear subject with a blurred background.
 Text	For taking pictures of text, documents or white boards.
 Portrait	Most suitable for capturing people with focus on their face.
 Fish Eye	For an interesting fish eye effect.
 Party	Suitable for taking indoor party pictures, even under complicated lighting conditions.
 Indoor	For indoor settings. Reduces blur and improves color accuracy.
 Leaf	For plants. Captures brilliant shots of greenery and blossoms.
 Museum	For museums or flash-free areas. Retains color and reduces blur.
 Night Portrait	For portraits against night scenery.
 Sketch	For taking photos with pencil sketch effect.
 Anti-Shake	Digital image stabilization to take clear pictures in the handheld state.

## Auto Scene Mode

In Scene Mode ( **ASCN** ), the camera can intelligently detect different environments, select the best scene and photo settings for you.

1. Press the **MODE** button to select **SCN** Mode, then select **ASCN** Function.
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.




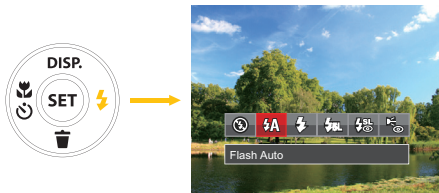
Mode Name	Description
 Landscape Mode	For landscapes, automatically adjusts the exposure and reproduces vivid green and blue colors.
 Portrait Mode	Most suitable for capturing people with focus on their faces.
 Night Portrait	When you take portraits at night, or in low light conditions, automatically adjusts the exposure for people and night scenes.
 Backlit Portrait	When the sun or any other light source is behind you, automatically adjusts the foreground exposure to produce the best pictures possible.
 Night Landscape Mode	For night scenes, automatically increases the ISO value to compensate for low light.
 Macro Mode	The macro setting is ideal for shooting small objects or close-up photos.
 Auto Mode	The camera automatically adjusts the exposure and focus to ensure the best possible pictures.

# BASIC OPERATION



## Flash Mode






The Flash is used to illuminate a subject in low light or for fill-in lighting to achieve better illumination of a subject with pronounced shadows.

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



2. Press the left/right arrow buttons to select one of the following 6 modes:


-  Force Off  
Flash is turned off.
-  Flash Auto  
Camera flash goes off automatically based on existing light conditions.

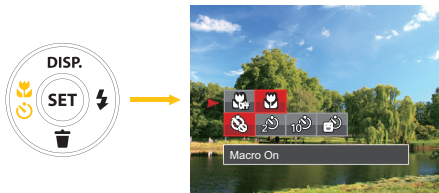
-  Fill Flash  
The flash will engage with each shot even if there is enough available light to take the photo without flash.
  -  Slow Sync.  
This allows for night scenery photos that include people in the foreground. The use of a tripod is recommended when shooting with this setting.
  -  Slow Sync. + 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.
3. Press the  button to confirm the settings and exit this option.





## 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 (  ) to enter the Macro Menu.




2. Press the left/right buttons to select the following 2 modes:

-  Macro Off  
Select this option to disable Macro.
-  Macro On  
Select this to focus on subjects 5cm 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, 10 seconds or Smile Detection.


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





2. Press the up/down buttons to enter Self-Timer Function Menu.

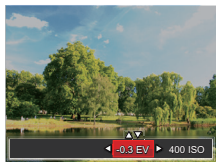
3. Press left/right buttons to select the following 4 modes:


-  Self-Timer Off  
Disables the Self-Timer.
-  Self-Timer 2sec  
A single picture is shot 2 seconds after the shutter button is pressed.
-  Self-Timer 10sec  
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.


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


## EV Setting


EV function menu of the camera consists of EV adjustment (This can be adjusted  mode) and ISO adjustment (This can be adjusted  mode). With proper function setting, the user can take pictures with better effects.



 Please refer to manual mode on page 25 for EV setting operation steps.

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

 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.

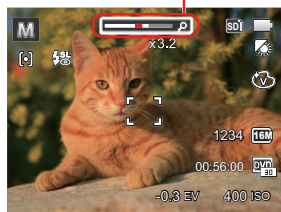
 The camera's ISO settings include: Auto, 80, 100, 200, 400, 800 and 1600.

## Using the Zoom Function

Your camera is equipped with two types of Zoom Functions: Optical Zoom and Digital Zoom. Press the Zoom button of the camera to zoom in or out on the subject while taking pictures.



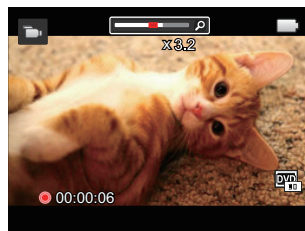
Zoom Indicator



When reaching the critical point of optical/digital zoom, the camera will temporarily stop zooming; if you release and press the zoom button again, it will automatically switch between optical and digital zoom.

## Using Quick Recording

In the Photo Shooting Mode, press the Recording Short Cut button (📹) to begin recording video.





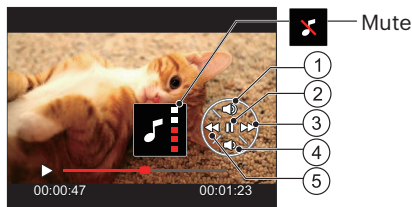
Once you are finished, press the Recording Short Cut button (📹) or the Shutter Button to stop and store the video. The camera will return to the Shooting Mode automatically.

# PLAYBACK

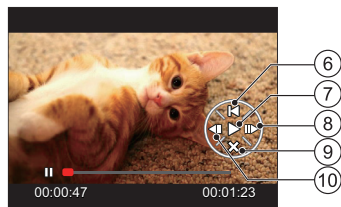
## Viewing Photos and Videos

To view the 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 left/right navigation 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.
- During video playback, the operating instructions will appear on the screen. Press the appropriate buttons to engage the following actions:



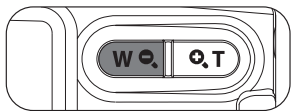
1	Increase Volume
2	Pause
3	Fast Forward
4	Decrease Volume
5	Rewind



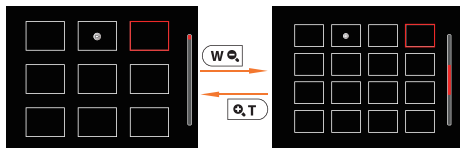
6	Return to the Beginning of the Video
7	Play
8	Play Video Forward
9	Cancel Playback
10	Play Video Backward

## Thumbnail View

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



1. Slide the Zoom button to switch between 3 x 3 and 4 x 4 thumbnails.



2. When a 3 x 3 or 4 x 4 thumbnail is displayed, press the arrow buttons to select a picture or video clip to view.



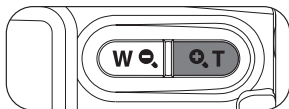
If the **▶** indicator appears on the LCD, then a movie file is currently being displayed.



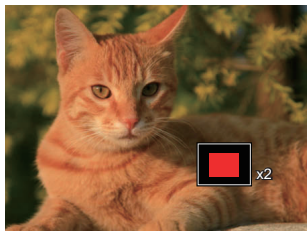
Press the **SET** button to restore a preview icon to its original image size.

## Using Zoom Playback (for still pictures only)

When playing back photos, you can also use the Zoom Button to zoom in on the photos, 2 to 8 times their original magnification.



1. Press the left/right buttons to select the picture on which to use the zoom feature.
2. Press the **Q.T** button on the Zoom button to zoom in.
3. The bottom right corner of the screen will display the amount zoomed in as well as 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 **SET** button to return the image to its original scale.

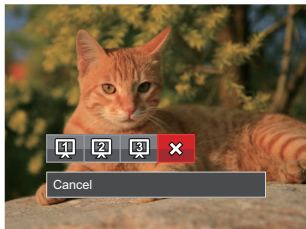


Movie images cannot be magnified.

## Slideshow

This setting allows you to view all the stored pictures as a slideshow.

1. Press the  button to enter playback screen.
2. Press the  button to enter slide option.
3. Press the left/right buttons to select Slideshow playing or [Cancel] to return to the playback screen.





4. Press the  button to confirm the setting.

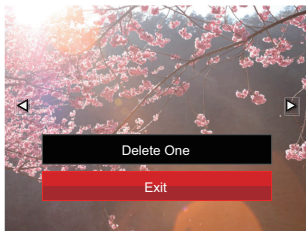


## Photos and Video Deletion

In Playback Mode, press the down arrow button (  ) to select your photos and videos.

To delete photos or videos:

1. Press the (  ) button to switch to Playback Mode.
2. Press the left/right arrow buttons 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 buttons to select [Delete One] or [Exit] and press the (  ) button to confirm.





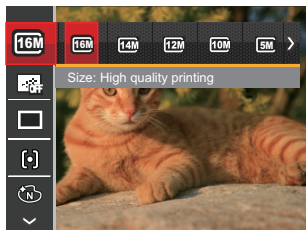
Erased photos/video clips cannot be recovered.

# USING THE MENUS

## Photo Setup Menu

Mode: **M**   **SCN**

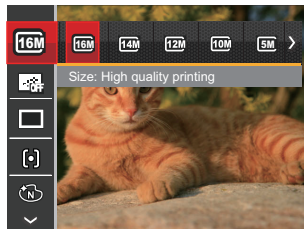
1. In Photo Shooting Mode, press the  button to enter the Photo Shooting Menu.
2. Press the up/down arrow buttons to select the Photo Shooting Menu and settings.
3. Press the left/right arrow buttons to select the Photo Shooting Menu to be set and press the  button to confirm.




Refer to the following pages (P40~43) for more details about each setting.

### Image Size

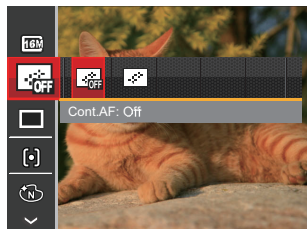
The size setting refers to the image resolution in pixels. A higher image resolution allows you to print that image in larger sizes without degrading the photo image quality.



-  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.

## Continuous AF

Use the Continuous AF setting to be able to continuously focus automatically when taking pictures.



There are 2 options:

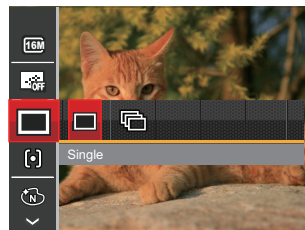
- Off
- On



Setting Continuous AF to On will reduce battery life.

## Continuous Shot

Use this setting to perform continuous shooting.



There are 2 options:

- Single
- Continuous Shot



Press the shutter button to start continuous shooting.

## Focus Setting

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

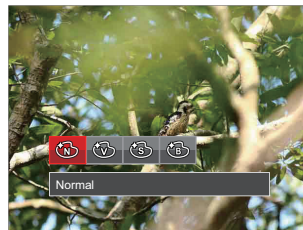


There are 2 options:

- Single-AF: The focus frame appears on the center of the LCD to help you focus on the subject.
- Multi-AF: The camera automatically focuses the subject in a wider area to find the focal point.

## Color Effect

This setting allows you to select different modes for optimum focus.

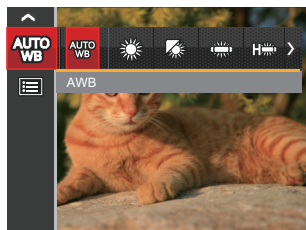


There are 4 options:

- Normal
- Vivid
- Sepia
- Black and White

## White Balance Setting

The White Balance Setting allows you to adjust the color temperature for different lighting scenes to ensure the most accurate color reproduction.

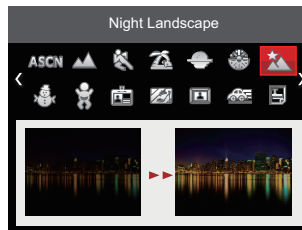
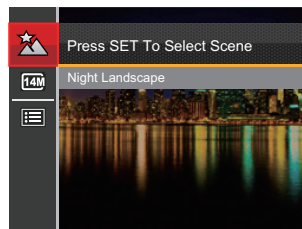


There are 7 options:



- AWB
- Daylight
- Cloudy
- Fluorescent
- Fluorescent CWF
- Incandescent
- Manual WB (Fully press the shutter button to detect the white balance value)

## Scene

Select the Scene Mode under the SCN Mode.





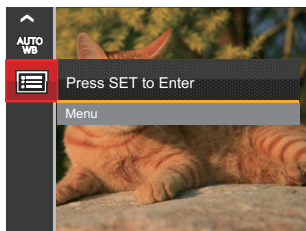
- Options in the shooting mode (O: Available X: Unavailable)






Options	Shooting Modes			
	M			SCN
Image Size	O	O	X	O
Continuous AF	O	O	X	X
Continuous Shot	O	O	X	X
Focus Setting	O	O	X	X
Color Effect	O	X	X	X
White Balance Setting	O	X	X	X
Scene	X	X	X	O

## Photo Shooting Setting Menu

Mode: **M**   **SCN**

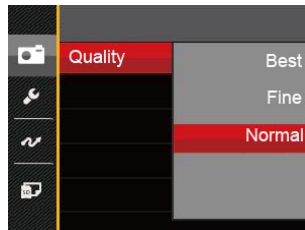
1. Press the  button in Photo Shooting Mode and press the up/down button to select .



2. Press the  button to enter the menu.
3. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to pick the item to be selected 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.

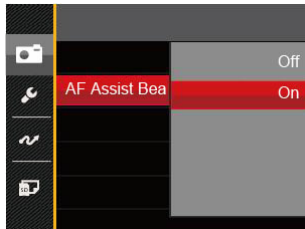


There are 3 options:

- Best (16M Average File Size: 4.0MB)
- Fine (16M Average File Size: 2.5MB)
- Normal (16M Average File Size: 2.0MB)

## AF Assist Beam

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

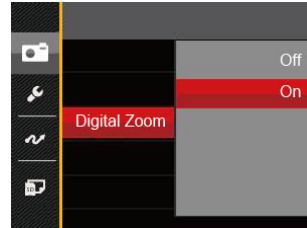


There are 2 options:

- Off
- On

## Digital Zoom

Turn on or off the digital zoom.



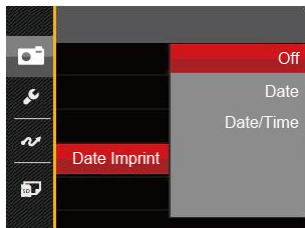
There are 2 options:

- Off
- On



## Date Imprint

Include a Date/Time stamp on the photo image.

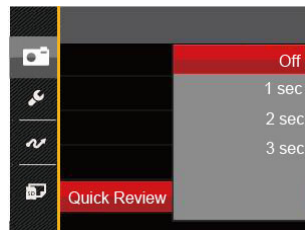


There are 3 options:

- 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 based on the selected time.



There are 4 options:



- Off
- 1 sec
- 2 sec
- 3 sec

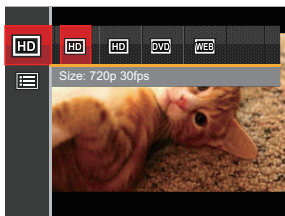


A shorter quick review time will improve battery life.

## Movie Menu

Mode: 

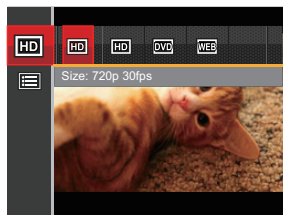
1. Press the **MODE** button, select the  mode and press the  button to enter the Movie Menu.



2. Press the up/down arrow buttons to select the Movie Menu to be set.
3. Press the left/right arrow buttons to select the Movie Menu to be set and press the **SET** button to confirm.

## Video Quality

Set the image resolution used during video recording.



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






No.	Image Pixel	Frame	Recommendation	Approximate Recording Time (4GB)
1	1280 x 720 *	30	Class 4	15 Minutes
2	1280 x 720	15	Class 4	31 Minutes
3	640 x 480	30	Class 4	47 Minutes
4	320 x 240	30	Class 4	200 Minutes

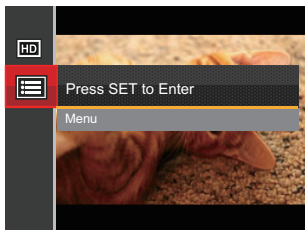






\* The longest recording time is 29 minutes at one time.

## Movie Setting Menu

Mode: 

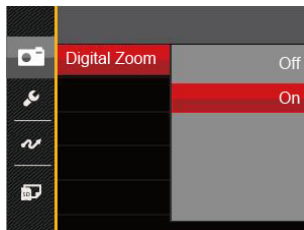
1. Press the  button, select the  mode and press the  button to enter the Movie Menu.
2. Press the up/down arrow buttons to select , and press the  button to enter the menu.



3. Press the up/down arrow buttons to select , and press the  button or right arrow button to enter the menu.
4. Select the items to be set and press the  button or the right arrow button to enter the menu.
5. Press the up/down arrow buttons to select an option and press the  button to confirm.

### Digital Zoom





Turn on or off the digital zoom.

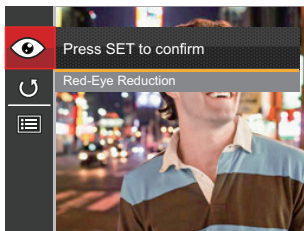


There are 2 options:

- Off
- On

## Playback Menu

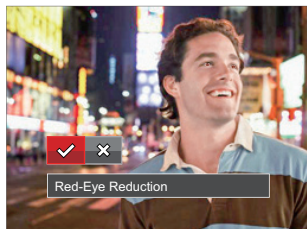
1. Press the  button to display the playback screen and press the  button to enter the menu.
2. Press the up/down arrow buttons to select the playback desired and press the  button to enter.
3. Press the left/right arrow buttons to select an option and press the  button to confirm.



Refer to the following pages (P 52) for more details about each setting.

## Red-Eye Reduction

Use this setting to remove red eye in your photos.

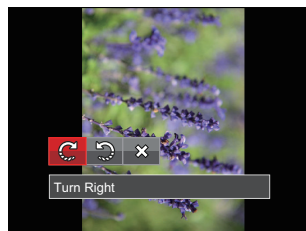


There are 2 options:

- Red-Eye Reduction
- Cancel

## Rotate

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



There are 3 options:

- Turn Right
- Turn Left
- Cancel







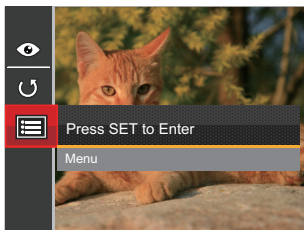
Videos and panoramic pictures cannot be rotated.







The rotated picture file will replace the original photo.

## Playback Setting Menu

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

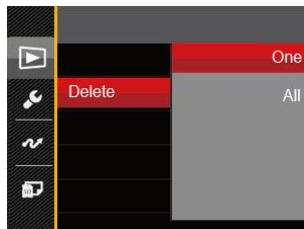


There are 3 options:

- 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: Cancel all locked photos or videos.




## Delete

You can delete one or all photo/video files.



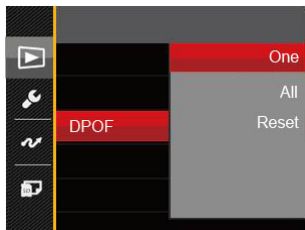
There are 2 options:

- One: Delete one photo or video.
- All: Delete all photos or videos.

-  The "🔒" indicator means a file is protected. File protection must be removed before a file can be deleted.
-  Deleting files will cause DPOF settings to be reset.
-  Deleted files will be permanently deleted and will not be able to be recovered or restored.

## 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.



There are 3 options:

- One
- All
- Reset



The printer that supports DPOF is needed for photo printing.

## Trim

The Trim Setting allows you to crop photos and save them as new pictures.

1. Press the up/down arrow buttons to select [Trim] and press the **(SET)** button or right arrow button to enter the menu.
2. Select [Yes] to confirm trim. Select a section of the photo to be trimmed using the zoom button 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.

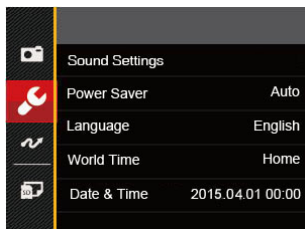




The image cannot be clipped/trimmed again once it has been clipped to 640 X 480.



## Setup Menu

1. Press the  button in any mode and press the up/down button to select .
2. Press the  button to enter the menu.
3. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.



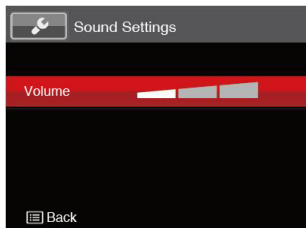
4. Press the up/down arrow buttons to select the item to be set and press the  button or right arrow button to enter the menu.
5. Press the up/down arrow buttons to select an option and press the  button to confirm.

Refer to the following pages (P 57-P 58) 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 buttons to select an option.

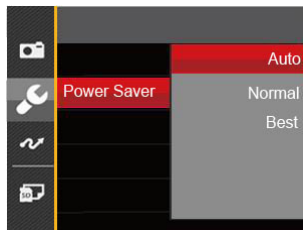


3. Press the (SET) button to confirm.

## 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 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 buttons to select an option.






3. Press the (SET) button to confirm.

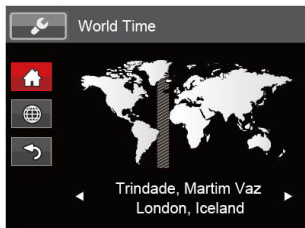
## Language

Refer to the “Reset your language” section on page 18.

## World Time

The Zone setting is a useful function for your overseas trips. This feature enables you to display the local time on the LCD 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 buttons to select a city located in the same time zone as that of the field. Press the  button to confirm settings.










## Date & Time

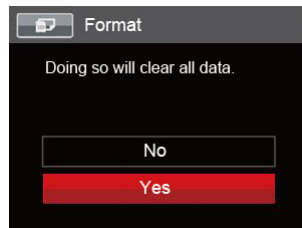
Refer to the “Reset Date/Time” section on page 19.

### Format

Please Note: formatting enables you to delete all contents on the memory card and camera's built-in memory, including protected photo and movie files.

To use this setting:

1. Press the  button, press the up/down arrow buttons to select  and press the  button to enter the menu.
2. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
3. Press the up/down arrow buttons 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 will format its memory.

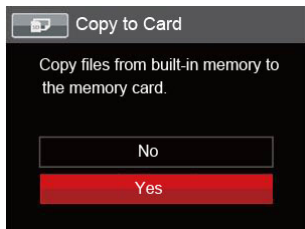


If there is no memory card in the camera, the built-in memory will be formatted; if there is a memory card, only the memory card will be formatted.

## 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 buttons to select  and press the  button to enter the menu.
2. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
3. Press the up/down arrow buttons 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 automatically save it with a sequential number. You can use this to reset the file numbering to 1.

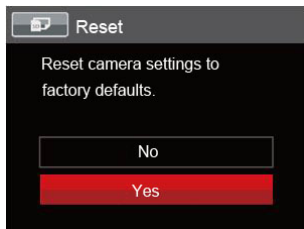
1. Press the  button, press the up/down arrow buttons to select  and press the  button to enter the menu.
2. Press the up/down arrow buttons to select  and press the  button or right arrow button to enter the menu.
3. Press the up/down arrow buttons to select [File Numbering] and press the  button or 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 factory default settings.

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



## Firmware (FW) Version

Use this setting to view the current camera firmware version.

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










# CONNECTIONS

## Connecting to a Computer

You can use a micro 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 used to connect to either a computer or a printer. The following steps will allow you to ensure that the camera is correctly configured to connect with a computer.

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

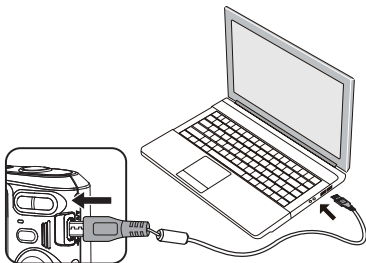


## Transferring Files to Your Computer

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 computer as you would copy any typical folder or file.

Follow the steps below to connect the camera to a computer:








1. Make sure both the camera and computer are turned on.
2. Connect one end of the supplied micro USB cable to the micro USB port on your camera.
3. Connect the other end of the cable to an available USB port on your computer.

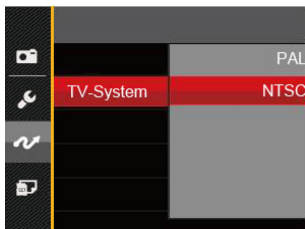


4. After the transmission is complete, disconnect the USB cable according to your computer manufacturer's instructions specifying how to safely remove USB devices.

## Video System

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

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



NTSC: English, Chinese (Traditional), Japanese, Korean, Vietnamese

PAL: German, Spanish, Italian, Chinese (Simplified), Portuguese, Swedish, Danish, Finnish, Indonesia, Norwegian, Dutch, Turkish, Polish, Thai, Croatian, Czech, Arabic, Hindi, French, Russian, Greek, Hungarian

## Connecting to a PICTBRIDGE™ Compatible Printer



PICTBRIDGE™ technology allows printing of the photos saved in the memory card by a 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 micro 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 compatible printer.

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

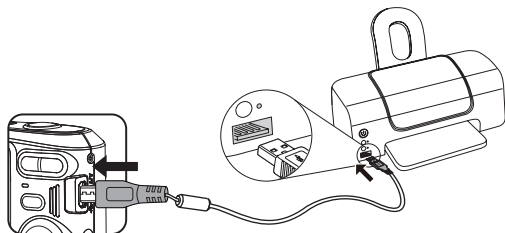
3. Press the up/down arrow buttons to select [USB] and press the button or right arrow button to enter the menu.
4. Press the up/down arrow buttons to select [Printer] and press the button to confirm.



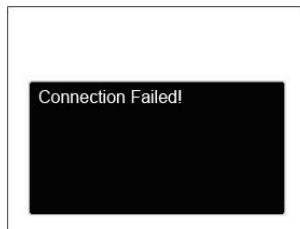
- After the camera is reset, it will switch to PC mode automatically from USB mode.
- See "Using the PICTBRIDGE™ Menu" section on page 69.

## Connecting to your Printer

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



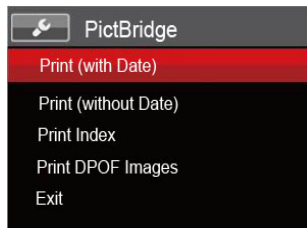
If the camera is not connected to a PICTBRIDGE™ compatible printer, the following error message will appear on the LCD.




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 micro USB cable again.

## Using the PICTBRIDGE™ Menu

After setting the USB mode to Printer, the PICTBRIDGE™ Menu will appear.



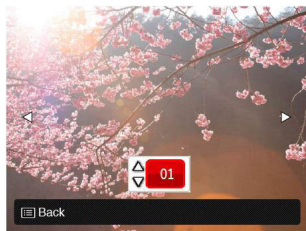
Press the up/down arrow buttons to select a menu item and press the  button or right arrow button to enter the item.

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

## Print (with Date)

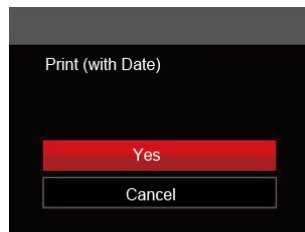
If you have set the date and time on your camera, the date and time will be recorded and saved with each photo you take.

1. In the PICTBRIDGE™ menu, select [Print (with Date)] and the screen as shown below appears.



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

3. Press the up/down arrow buttons to select the number of copies for the currently displayed photo.
4. Press the **(SET)** button and the following screen will appear.

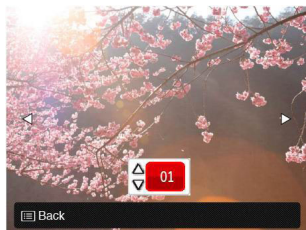


5. Select [Yes] and press the **(SET)** button to confirm; select [Cancel] and press the **(SET)** button to cancel printing.

## Print (without Date)

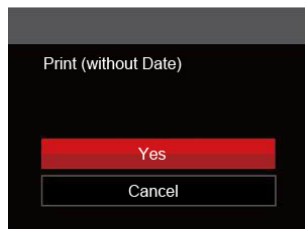
Use this setting to print the photos without dates on them.

1. In the PICTBRIDGE™ menu, select [Print (without Date)] and the screen as shown below appears.



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

4. Press the **SET** button and the following screen will appear.



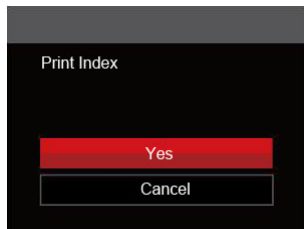
5. Select [Yes] and press the **SET** button to confirm; select [Cancel] and press the **SET** button to cancel printing.



## Print Index

You can print all photos in the camera via this function.

1. In the PICTBRIDGE™ menu, select [Print Index] and the screen as shown below appears.



2. Select [Yes] and press the **SET** button to confirm; select [Cancel] and press the **SET** button to cancel printing.

## Print DPOF Images

To use DPOF printing, you must select your photos for printing using the DPOF settings before hand. See "DPOF" section on page 55.

1. In the PICTBRIDGE™ menu, select [Print DPOF Images] and the screen as shown below appears.



2. Select [Yes] and press the **SET** button to confirm; select [Cancel] and press the **SET** button to cancel printing.

## Exit

Select [Exit] to exit the PICTBRIDGE™ menu. At this time, the message [Remove USB Cable!] will appear on the screen.



Disconnect the micro USB cable from the camera and printer.

# APPENDICES

## Specifications



Design and specifications are subject to change without notice.

Image Sensor	Type	1/2.3" CCD
	Effective Ective Pixels	16.15 Megapixels
	Total Pixels	16.44 Megapixels
Lens	Focal Length	4.9 mm (Wide) — 19.6 mm (Tele)
	35mm Film Equivalent	27 mm (Wide) — 108 mm (Tele)
	F Number	F3.0 (Wide) — F6.6 (Tele)
	Lens Construction	7 groups 7 elements
	Optical Zoom	4x
	Focusing Range	Normal: (Wide) 60 cm ~ $\infty$ , (Tele) 100 cm ~ $\infty$ ; Macro: 5 cm ~ $\infty$ (Wide Only)
Autofocus System		TTL Autofocus
Anti-Handshake		Digital Image Stabilization
Digital Zoom		6x Digital Zoom (Combined Zoom: 24x)

Number of Recording Pixels	Still Image	(4:3) 16MP: 4608 X 3456 10MP: 3648 X 2736 5MP: 2592 X 1944 3MP: 2048 X 1536 0.3MP: 640 X 480	(3:2) 14MP: 4608 X 3072	(16:9) 12MP: 4608 X 2592 2MP: 1920 X 1080
	Movie	1280 X 720 (15/30fps), 640 X 480 (30fps), 320 X 240 (30fps)		
Image Compression		Best, Fine, Normal		
DCF, DPOF (Ver1.1) Support		Yes		
File Format	Still Image	Exif 2.3 (JPEG)		
	Movie	Movie Format: MOV (Motion JPEG), Audio: G.711 [Monaural]		
Shooting Modes		Auto Mode, Manual Mode, Panorama Mode, Scene Mode (Auto Scene, Landscape, Sport, Beach, Sunset, Fireworks, Night Landscape, Sketch, Snow, Children, ID, Glass, Photo Frame, Panning Shot, Text, Portrait, Fish Eye, Party, Indoor, Leaf, Museum, Night Portrait, Anti-shake), Movie Mode		
Detection Features		Face, Smile, Blink		
Red-Eye Removal		Yes		
Panorama Capture		Up to 180° (Horizontal)		

LCD Display		2.7 inch (230k Pixels)
ISO Sensitivity		Auto, ISO80/100/200/400/800/1600
AF Method		Single AF, Multi-AF (TTL 9-point), Face-Detection
Exposure Metering Method		Artificial Intelligence AE (AiAE), Face AE
Exposure Control Method		Program AE (AE-Lock Available)
Exposure Compensation		± 2 EV in 1/3 Step Increments
Shutter Speed		1/2000 ~ 4 Seconds
Continuous Shooting		Yes
Playback Modes		Single Photo, Index (9/16 Thumbnails), Slide Show
		Zoom in (2 to 8 times)
White Balance Control		AWB, Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual WB
Flash	Flash Method	Internal
	Flash Modes	Force Off, Flash Auto, Fill Flash, Slow Sync., Slow Sync. + Red-Eye, Red-Eye Reduction

Recording Media	Internal Memory: Approx. 8 MB
	SD/SDHC Card (Up to 32 GB Support) [MMC Card Not supported ]
PictBridge, ExifPrint Support	Yes
Multi-Language Support	27 Languages
Jacks	AV-OUT/USB 2.0 (Micro 5 pin USB)
Power	2 x AA Alkaline Battery, AA NiMH Battery [Not Included]
Shooting Capability (Battery Performance)	AA Alkaline Batteries: Approx. 120 shots (Based on CIPA standards)
Operation Environment	Temperature: 0 ~ 40 °C, Humidity: 0 ~ 90%
Dimensions (W X H X D)	Approx. 93.0 X 60.2 X 28.7 mm (Based on CIPA Standards)
Weight	Approx. 117 g (Body only)

## Prompts and Warning Messages

Message	Description	Action
Warning! Battery exhausted.	The camera batteries are depleted. It is a warning indicating that the camera is going to shut off.	Replace with new batteries. The camera will shut down in 2 seconds.
Lens obstruction, Re-start Camera.	The lens is jammed or some foreign object is preventing the lens from functioning properly.	Turn the camera off and restart it to reset the lens.
Suggest using tripod.	When continuous exposure is enabled, this prompt message is displayed when the photo shooting screen is displayed for the first time.	This message will disappear after 2 seconds
Built-in memory error!	An error has occurred in the internal memory.	Try shutting down the camera and turning it on again. This message will disappear after 2 seconds
Warning! Do not turn off your camera during update!	The message appears during the firmware update process.	The message disappears after the camera update and restart.

Message	Description	Action
Connection Failed!	Failure to connect to your PC, printer, TV	Remove micro USB cable and retry connection
Write Protect!	The SD card is locked.	Remove SD card and switch the lever on the side of card to UNLOCK. The message will disappear after 2 seconds.
Card Full!	Indicates that the SD card is full.	Replace SD card with another that has available memory. This message will disappear after 2 seconds.
Memory Full!	Indicates that the camera memory is full.	It will disappear after 2 seconds.
Card Error!	During power-on, the SD card cannot be recognized or a read/write error occurs has occurred.	Format the SD card. WARNING: Formatting the SD card will erase all data on the card. Copy the data from the SD card to another storage, such as a computer. Otherwise, all data will be erased after the format. This message will disappear after 2 seconds.



Message	Description	Action
Card is not formatted.	When an error occurs with the memory card, the message "Not Formatted" will appear.	Format the memory card. WARNING: Formatting the SD card will erase all data on the card. Copy the data from the memory card to another storage device, such as a computer. Otherwise, all data will be erased after the format. This message will disappear after 2 seconds.
Slow access	When a memory card lower than Class 4 is used to record a HD movie, the writing speed will be slower and recording will not continue.	Replace the memory card with a Class 4 or higher SD card. This message will disappear after 2 seconds.
Cannot write to SD card.	The photo shooting or video recording has been interrupted, so recording cannot continue.	Turn the camera off. Then unload and reload the SD card and turn on the camera to restart. Also check if SD card is full or in the locked position.
No Red-Eye Detected!	Red eyes have not been detected in the image.	This message will disappear after 2 seconds.
This image cannot be edited.	The file format does not support editing or the edited file cannot be edited again.	This message will disappear after 2 seconds.

Message	Description	Action
Exceeded maximum folder number.	This indicates that the SD card exceeded the maximum number of folders (999). This could cause a long read time during the camera's power up.	Copy the data to your PC, and format the memory card using the camera.
Too many pictures for quick processing.	During the playback by date, the images exceed specifications so that it is not possible to play by date.	This message disappears after 2 seconds and the camera returns to normal playback mode.
Unable to recognize files.	The format of the file to be viewed is not supported or the file is corrupted so it cannot be properly read.	This message disappears only after the file is deleted.
No Picture!	When you press the play button, no image files exist in the camera or memory card.	This message disappears after 2 seconds and returns to the photo shooting screen.
Protected! Undeleteable!	The file is protected. The message appears when you go into delete mode.	Remove SD card and switch the lever on the side of card to UNLOCK. Place card back into the camera and try again. This message will disappear after 2 seconds.

## Troubleshooting

Problem	Possible causes	Solution
Camera does not turn on	<ul style="list-style-type: none"><li>■ The batteries have been depleted.</li><li>■ The batteries are not inserted correctly.</li></ul>	<ul style="list-style-type: none"><li>■ Replace the batteries.</li><li>■ Correctly reinstall the batteries.</li></ul>
Camera turns off suddenly during operation	<ul style="list-style-type: none"><li>■ The batteries have been depleted.</li></ul>	<ul style="list-style-type: none"><li>■ Replace the batteries.</li></ul>
The picture is blurred	<ul style="list-style-type: none"><li>■ Camera shakes while taking a picture.</li></ul>	<ul style="list-style-type: none"><li>■ Turn on Anti-shake mode.</li></ul>
Images and video files cannot be saved	<ul style="list-style-type: none"><li>■ The memory card is full.</li><li>■ The memory card is locked.</li></ul>	<ul style="list-style-type: none"><li>■ Use another memory card or delete unnecessary files.</li><li>■ Unlock the memory card.</li></ul>
Images will not print from the connected printer	<ul style="list-style-type: none"><li>■ The camera is not connected to the printer correctly.</li><li>■ The printer is not PICTBRIDGE™ compatible.</li><li>■ The printer is out of paper or ink.</li><li>■ The printer paper is jammed.</li></ul>	<ul style="list-style-type: none"><li>■ Check the connection between the camera and printer.</li><li>■ Use a PICTBRIDGE™ compatible printer.</li><li>■ Load paper into the printer or replace the ink cartridge in the printer.</li><li>■ Remove the jammed paper.</li></ul>

Problem	Possible causes	Solution
Saving data to memory card is slow	<ul style="list-style-type: none"> <li>■ Using a memory card below Class 4 may result in slower recording times.</li> </ul>	<ul style="list-style-type: none"> <li>■ Use a memory card with write Class 4 or higher to improve performance.</li> </ul>
Cannot write to the memory card	<ul style="list-style-type: none"> <li>■ The SD memory card has been locked.</li> <li>■ The camera may experience trouble recording HD movies to SD cards with a rating lower than Class 4.</li> </ul>	<ul style="list-style-type: none"> <li>■ Release the write lock of the memory card or replace with another card.</li> <li>■ Use a memory card with write Class 4 or higher to improve performance.</li> </ul>
Too many movies to process	<ul style="list-style-type: none"> <li>■ The number of pictures or folders in the memory card exceed the specifications, so the playback of data folder can not be displayed.</li> </ul>	<ul style="list-style-type: none"> <li>■ Delete unwanted files.</li> </ul>

## 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			
				4K	FHD	HD	VGA
90MB/sec			V90	O	O	O	O
60MB/sec		UHS-III	V60	O	O	O	O
30MB/sec		UHS-I	V30	O	O	O	O
10MB/sec	Class 10		V10	O	O	O	O
6MB/sec	Class 6		V6	X	O	O	O
4MB/sec	Class 4			X	X	X	O
2MB/sec	Class 2			X	X	X	O

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