Image Size

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

- 20M Size: High quality printing
- 18M Size: Full size printing
- 15M Size: 16:9 display
- 10M Size: Poster printing
- 5M Size: A3 printing
- 3M Size: A4 printing
- 2M Size: 4"x 6" printing
- VGA Size: E-Mail

The larger the number of recorded pixels, the larger the file size and the fewer files that can be saved on your memory card.

OIS (Optical Image Stabilization)

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

- OIS: Off
- OIS: On

Use this image stabilization mode in dark environments.

Shooting in a windy or unstable environment (such as a moving vehicle) may cause blurred images.

Cont. AF

Enable the continuous AF to be able to continuously focus automatically when taking pictures.

- Cont.AF: Off
- Cont.AF: On

HDR

Use this setting to control wide dynamic image range when taking static pictures. Photos with extreme contrast of bright and dark areas will still maintain distinguishable detail and depth. (Suggest using tripod)

- HDR: Off
- HDR: On

In the scenario with high light contrast (too dark or too light), this function can be used to shoot satisfactory photos.

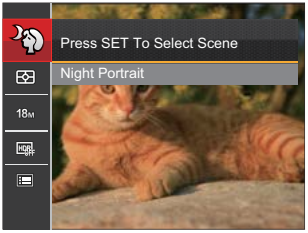
Beautifier

Set the effect of the face beautifier mode.

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

Scene

Select the scene mode under the SCN mode.



Shooting menu in the Photo shooting mode

(○: Optional ×: Not optional)

Options	Photo Shooting Modes					
		P	S	A	M	
	○	○	○	○	○	○
20M	○	○	○	○	○	○
OFF	×	○	○	○	○	○
OFF	×	○	○	○	○	○
HDR OFF	×	○	○	○	○	×
1	×	×	×	×	×	○

Photo Shooting Settings Menu

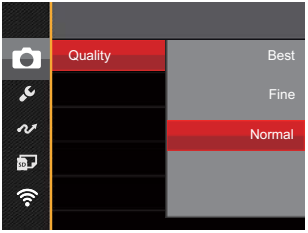
Mode: PSAM SCN CS

1. Press the button in Photo Shooting mode and press the [▲AF] / [▼] button to select .

2. Press the SET button to enter the menu.
3. Press the [▲AF] /[▼] button to select , and press the SET /[▶] button to enter the menu.
4. Press the [▲AF] /[▼] button to select the item to be set and press the SET /[▶] button to enter the menu.
5. Press the [▲AF] /[▼] button to select an option and press the SET button to confirm.

Quality

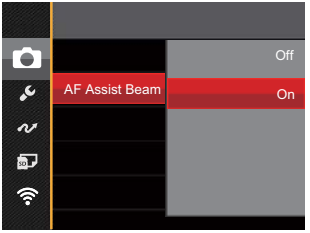
The Quality Setting can be used to adjust the image compression ratio.



- Best
- Fine
- Normal

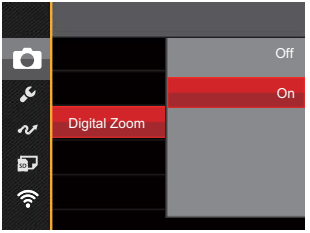
AF Assist Beam

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



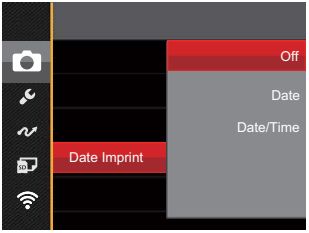
Digital Zoom

This setting is for adjusting digital zoom. If this function is disabled, only optical zoom can be used.



Date Imprint

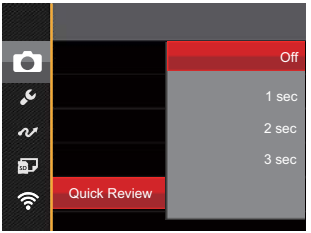
Include a Date/Time stamp on the photo image.



- Off
- Date
- Date/Time

Quick Review

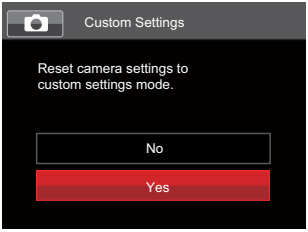
This option allows quick review of the photos immediately after they are taken. Each photo is displayed on the LCD based on the selected time.



- Off
- 1 sec
- 2 sec
- 3 sec

Custom Settings

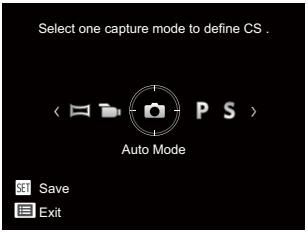
Custom Settings stores the current photo shooting mode or scene mode and its parameters. The stored mode and parameters are directly invoked in **CS** mode.



There are 2 options:

- No
- Yes

In **CS** mode, select 「Custom Settings」 the camera will enter the setting interface as shown below:



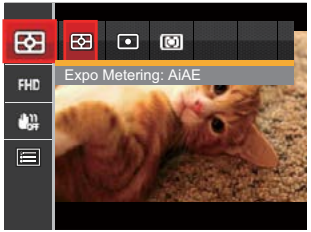
Movie Menu

Mode:

1. Rotate the mode dial to select and press the (MENU) button to enter the movie menu.
2. Press the [▲AF] / [▼] button to select the movie menu to be set.
3. Press the [◀] / [▶] button to select an option and press the (SET) button to confirm.

Expo Metering

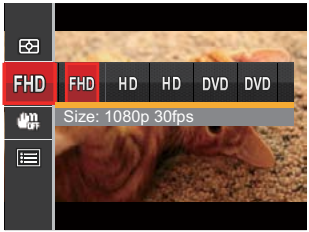
Use this setting to select the "target" size of the camera's field of view to be metered.



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

Movie Size

Set the image resolution used during video recording.



- FHD Size: 1080p 30fps
- HD Size: 720p 60fps
- HD Size: 720p 30fps
- DVD Size: 640x480 30fps
- DVD Size: 640x360 120fps (High Speed Movie)

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

No.	Image Pixel	Frame	Recommendation	Recording time (4GB) About
1	1920x1080 *	30	Class 4	30 minutes
2	1280x720 *	60	Class 4	32 minutes
3	1280x720 *	30	Class 4	59 minutes
4	640x480	30	Class 4	106 minutes
5	640x360	120	Class 4	54 minutes

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

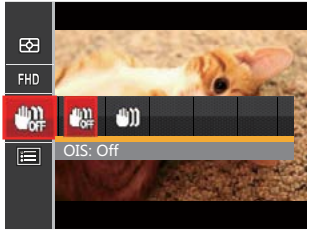
When recording in higher pixel resolutions for extended periods of time, this can cause the camera to generate heat. This is not a camera malfunction.

When the video format is set as 640x360 (120fps), shooting time is 30 seconds, playback time is 2 minutes.

Sound recording is disabled when 640x360 120fps is chosen.

OIS (Optical Image Stabilization)

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



- OIS: Off
- OIS: On

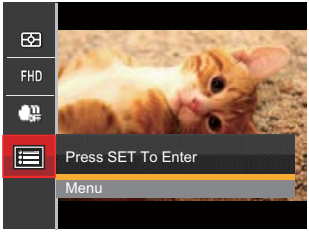
Use this image stabilization mode in dark environments.

Shooting in a windy or unstable environment (such as a moving vehicle) may cause blurred images.

Movie Setting Menu

Mode:

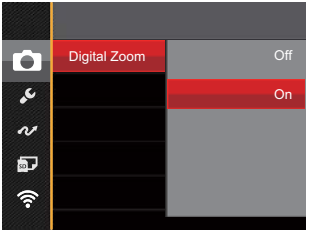
1. Rotate the Mode Dial and select to enter the video recording screen.
2. Press the button, press the [▲AF] / [▼] button to select , and press the SET button to enter the menu.



3. Press the [▲AF] /[▼] button to select , and press the SET /[▶] button to enter the menu.
4. Select the item to be set and press the SET /[▶] button to enter the menu.
5. Press the [▲AF] /[▼] button to select an option and press the SET button to confirm.

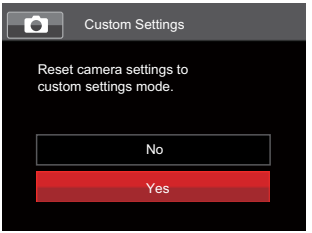
Digital Zoom

This setting is for adjusting digital zoom. If this function is disabled, only optical zoom can be used.



Custom Settings

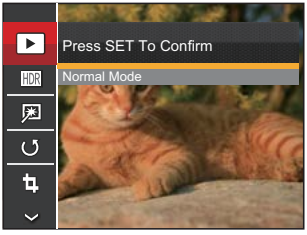
Custom Settings stores the current movie mode and its parameters. The stored mode and parameters can be invoked directly in **CS** mode.



Playback Menu

Mode: ▶

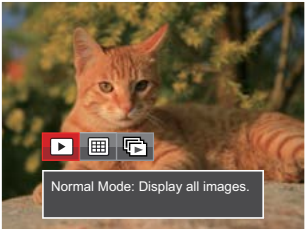
1. Press the button to display the playback screen and press the button to enter the menu.
2. Press the [▲AF] / [▼] button to select the item to be set and press the SET button to enter.
3. Press the [◀] / [▶] button to select an option and press the SET button to confirm.



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

Playback Mode

Select ▶, and press the SET button to enter the settings screen:



- ▶ Normal Mode:
  Display all images.
- Date Mode:
  Arranged by date.
- Cont. Photo Mode:
  Arranged by Cont. Photo Group.

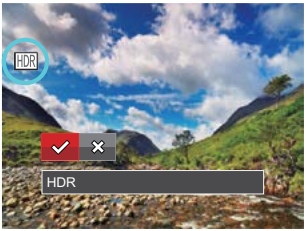
The Date Folder is displayed in date order based on camera's Date/Time Settings.

If there is no continuous shot image file in memory, continuous shot playback mode cannot be enabled.

HDR

With the HDR function, pictures that are overexposed may be corrected to optimize the highlights and lowlights captured to more accurately represent the actual scene.

Select HDR, and press the SET button to enter the settings screen:



HDR

Cancel

After using the HDR function, the image will be saved as a new file and the original file is still stored in the memory.

Touch-up

The playback beauty feature allows for beautification using three individual effects.

Select , and press the SET button to enter the settings screen:

Red-Eye Reduction

Skin Soften

Eye Brightening

Eye Enlargement

Cancel

Using the face beautifier mode allows you to select from single, two, or all three effects combined.

Rotate

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

Select ↺, and press the SET button to enter the settings screen:

↻ Turn Right

↺ Turn Left

✕ Cancel

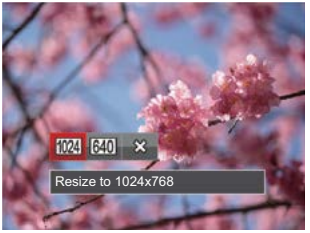
Videos and panoramic pictures cannot be rotated.

The rotated picture file will replace the original photo.

Resize

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

Select ⧉, and press the SET button to enter the settings screen:



1024 Resize to 1024x768

640 Resize to 640x480

✕ Cancel

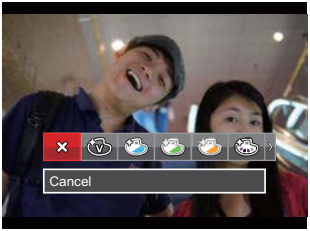
Only for adjusting pictures with high resolution to those with low resolution.

Sizes of photos taken in panorama mode or rotated cannot be adjusted.

Color Effect

This setting allows you to change the picture color effect. The file is saved as a new photo and stored in memory together with the original photo.

Press the (i) button to enter the settings screen:



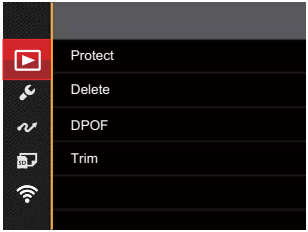
There are 19 options available:

Cancel	Sepia	Vignetting
Vivid	Partial Color-Red	Salon
Japan Style (8M)	Partial Color-Blue	Fish Eye (20M Not optional)
Italian Style (8M)	Partial Color-Yellow	Reflection
French Style (8M)	Partial Color-Green	4 Grids - Stylish(2M)
Punk (4M)	Negative (8M)	
Black and White	Dreamy	

Playback Settings Menu

Mode: ▶

1. Press the ▶ button to show the playback screen, press the ☰ button, press the [▲AF] / [▼🗑⏱] button to select ☰, and press the SET button to enter the menu.
2. Press the [▲AF] / [▼🗑⏱] button to select ▶, and press the SET / [▶⚡] button to enter the menu.

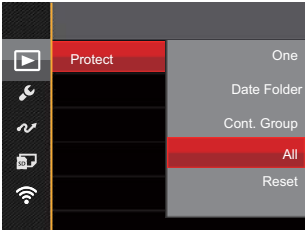


3. Press the [▲AF] / [▼🗑⏱] button to select the item to be set and press the SET / [▶⚡] button to enter the menu.
4. Press the [▲AF] / [▼🗑⏱] button to select an option and press the SET button to confirm.

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.

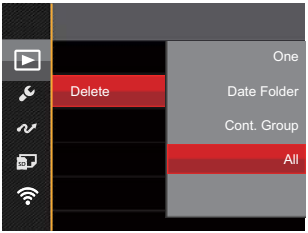


There are 5 options available:

- One: Lock the selected photo or video if they are unprotected; unlock the selected photo or video if they are protected.
- Date Folder: Protect all photos in the date folder.
- Cont. Group: Protect all photos in the cont. photo folder.
- 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 4 options available:

- One: Delete one photo or video.
- Date Folder: Delete all photos in the date folder.
- Cont. Group: Delete all photos in the cont. photo folder.
- All: Delete all photos or videos.

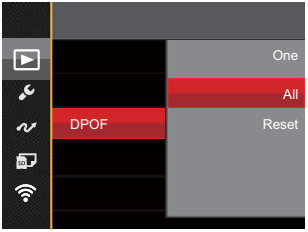
The "⊙⊸" indicator means a file is protected. File protection must be removed first before a file can be deleted.

Deleting files will cause DPOF settings to be reset.

When one photo in the cont. photo and date folders is protected, it will be kept but any other photos will be deleted.

DPOF (Digital Print Order Format)

The DPOF feature allows you to compile and select a group of pictures that you would like to print and will save your selection on the memory card so that you can use the memory card to print without having to individually specify the photos you want to print.



The printer that supports DPOF is needed for printing.

Trim

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

1. Select「Yes」to confirm trim. Rotate the zoom lever to select the aspect ratio and press the [▲AF]/[▼🗑⏲]/[◀🌷]/[▶⚡] buttons to adjust the part you want to trim.

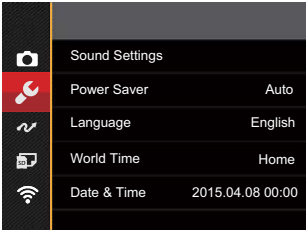
2. Press the (SET) button and the「Save Change?」prompt appears. Select「✔」to change and save the picture. Select「✘」to cancel changes and return to the trim prompt screen.

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

Setup Menu

Mode: P S A M SCN CS

1. Press the button in any mode, press the [▲AF] /[▼] button to select , and press the SET button to enter the menu.
2. Press the [▲AF] /[▼] button to select , and press the SET /[▶] button to enter the menu.



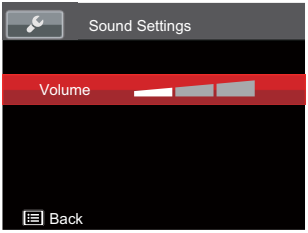
3. Press the [▲AF] /[▼] button to select the item to be set and press the SET /[▶] button to enter the menu.
4. Press the [▲AF] /[▼] button to select an option and press the SET button to confirm.

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

Sound Settings

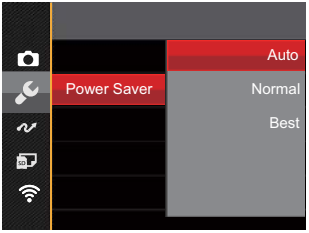
With this setting you may adjust the sound volume.

Press the [◀🌷] / [▶⚡] button to adjust the volume and press the (SET) button to confirm our setting.



Power Saver

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



- Auto
- Normal
- Best

Power Saver	LCD power off time	Turn off time
Auto	3 min	5 min
Normal	1 min	3 min
Best	30 s	1 min

Language

Refer to the “Reset your language” section on page 25.

World Time

The world time 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. Press the [▲AF] /[▼🗑⏱] button to select the departure place (⌂) and destination (🌐) fields.
2. Press the [◀🌷] /[▶⚡] button to select a city located in the same time zone as that of the field. Press the (SET) button to confirm settings.

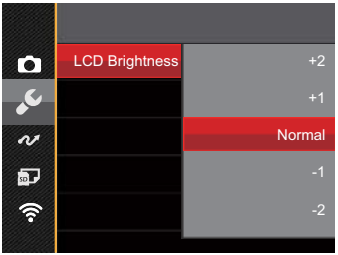
Date/Time

Refer to the “Reset Date/Time” section on page 26.

LCD Brightness

Use this setting to adjust the brightness of your LCD.

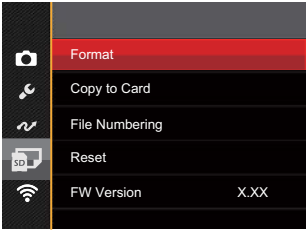
Press the [▲AF] /[▼🗑⏱] button to adjust the brightness of screen, and press the (SET) button to confirm our setting.



File Setting

Mode: P S A M SCN CS

1. Press the button, press the [▲AF] /[▼] button to select and press the SET button to enter the menu.
2. Press the [▲AF] /[▼] button to select and press the SET /[▶] button to enter the menu.
3. Press the [▲AF] / [▼] button to select the item to be set and press the SET /[▶] button to enter the menu.

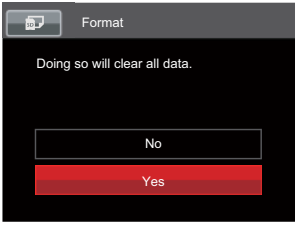


4. Press the [▲AF] /[▼] button to select an option and press the SET button to confirm.

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

Format

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

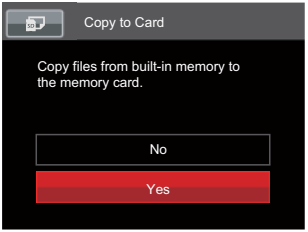


If you select「Yes」the camera formats its memory.

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

Copy to Card

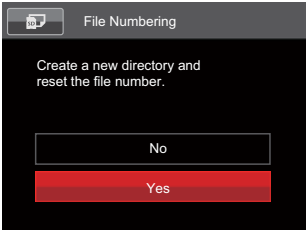
Use this setting to copy the files stored in the built-in memory to a memory card.



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

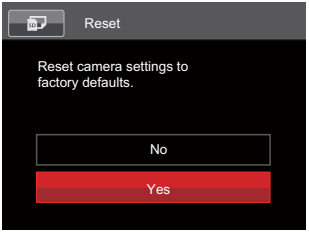
File Numbering

After you take a picture or video clip, the camera will save it with a sequential number. You can use this to reset the file numbering to 0001.



Reset

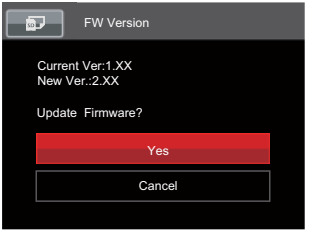
Use this setting to restore the camera to its original default settings.



FW Version

Use this setting to view the current camera firmware version.

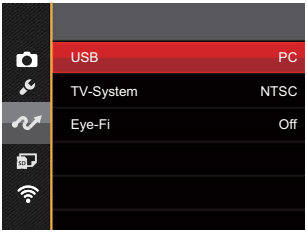
When there is a new firmware version in the memory card, select「Yes」to update.



Connection Settings

Mode: P S A M SCN CS

1. Press the button, press the [▲AF] /[▼] button to select and press the SET button to enter the menu.
2. Press the [▲AF] /[▼] button to select and press the SET /[▶] button to enter the menu.
3. Press the [▲AF] /[▼] button to select the item to be set and press the SET /[▶] button to enter the menu.



4. Press the [▲AF] /[▼] button to select an option and press the SET button to confirm.

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

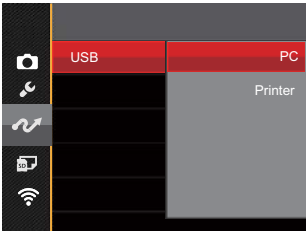
Connecting to a Computer

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

1. Press the [▲AF] /[▼🗑⏲] button to select 「USB」 and press the (SET) /[▶⚡] button to enter the menu.
2. Press the [▲AF] /[▼🗑⏲] button to select 「PC」 and press the (SET) button to confirm.

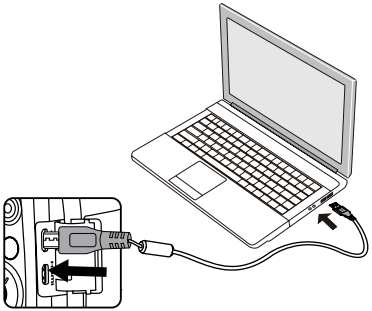


Transferring files to your computer

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

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

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



4. After the transmission is complete, disconnect the Micro USB cable according to the instructions specifying how to safely remove USB devices.

Connecting to a PictBridge Compatible Printer

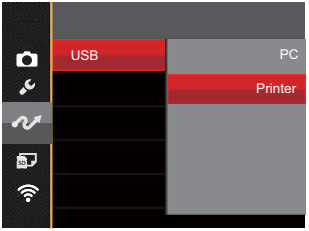
PictBridge technology allows printing of the photos saved in the memory card by the printer.

To find out if a printer is PictBridge compatible, simply look for the PictBridge logo on the packaging or check the owner's manual for specifications. With the PictBridge function on your camera, you can print the captured photos directly to a PictBridge compatible printer using the supplied 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 Printer.

1. Press the [▲AF] / [▼🗑⏱] button to select 「USB」 and press the (SET) / [▶⚡] button to enter the menu.
2. Press the [▲AF] / [▼🗑⏱] button to select 「Printer」 and press the (SET) button to confirm.

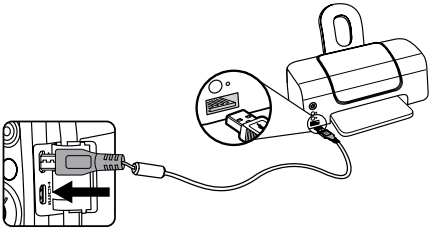


After the camera is reset, it will switch to PC mode automatically from USB mode.

See "Using the PictBridge Menu" section on page 105.

Connecting to your Printer

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

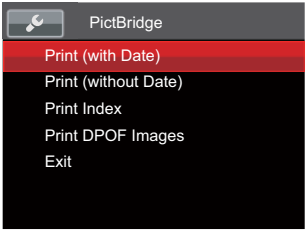


If the camera is not connected to a PictBridge compatible printer, the following error message will appear on the LCD.

The error message above will also appear if the USB mode is set incorrectly, in which case you should disconnect the Micro 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.



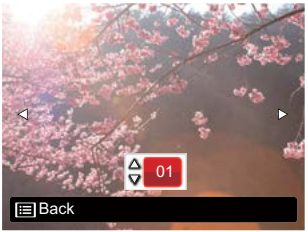
Press the [▲AF] /[▼🗑⏲] button to select a menu item and press the (SET) /[▶⚡] button to enter the item.

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

Print (with Date)

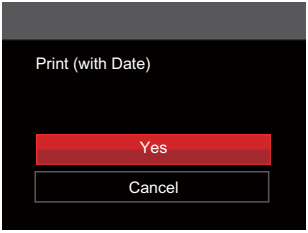
If you have set the date and time on your camera, the date and time will be recorded and saved with each photo you take.

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



2. Press the[◀🌷] /[▶⚡] button to select a photo to be printed.

3. Press the [▲AF] / [▼🗑⏱] button to select the number of copies for the currently displayed photo.
4. Press the (SET) button and the following screen will appear.

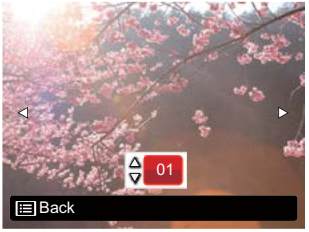


5. Select 「Yes」 and press the (SET) button to confirm printing; select 「Cancel」 and press the (SET) button to cancel printing.

Print (without Date)

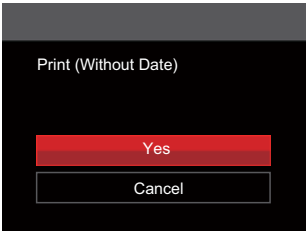
Use this setting to print the photos without dates on them.

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



2. Press the [◀🌷] / [▶⚡] button to select a photo to be printed.
3. Press the [▲AF] / [▼🗑⏱] button to select the number of copies for the currently displayed photo.

4. Press the (SET) button and the following screen will appear.

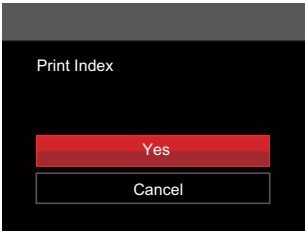


5. Select「Yes」and press the (SET) button to confirm printing; select「Cancel」and press the (SET) button to cancel printing.

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.

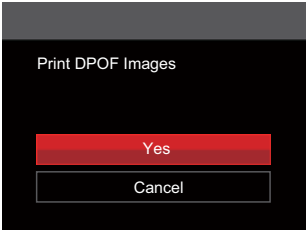


2. Select「Yes」and press the (SET) button to confirm printing; select「Cancel」and press the (SET) button to cancel printing.

Print DPOF Images

To use DPOF printing, you must select your photos for printing using the DPOF settings beforehand. See “DPOF” section on page 92.

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 printing; select 「Cancel」 and press the (SET) button to cancel printing.

Exit

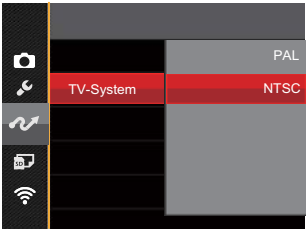
Select 「Exit」 to exit the PictBridge menu. At this time, the message 「Remove USB Cable!」 appears on the screen.

Disconnect the Micro USB cable from the camera and printer.

Video System

You can use the AV cable (which should be purchased separately) to connect the camera and the television for realizing the video output. Connect one end of the AV cable to USB/AV port of the camera; connect the other end to AV-OUT port of the television. Adjust the format of the video output system according to your requirements, and the steps are as follows:

1. Press the [▲AF] /[▼🗑⏲] button to select 「TV-System」 and press the (SET) /[▶⚡] button to enter the menu.
2. Press the [▲AF] /[▼🗑⏲] button to select 「NTSC」 , and press the (SET) button to confirm.



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

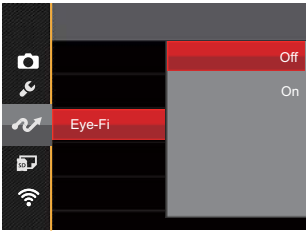
NTSC: English, Chinese (Traditional), Japanese, French, Korean, Russian, Vietnamese, Greek, Hungarian

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

Set Eye-Fi Card Connection Mode

This camera supports the wireless connection for Eye-Fi memory card, Enable Eye-Fi connection by following below steps.

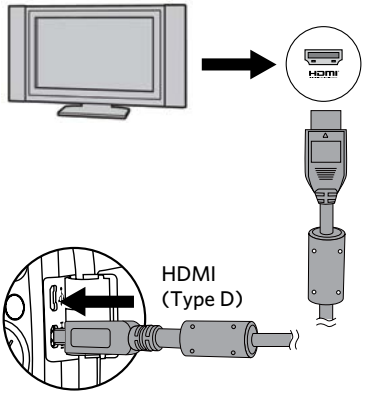
1. Press the [▲AF] /[▼🗑⏲] button to select 「Eye-Fi」 and press the (SET) /[▶⚡] button to enter the menu.
2. Press the [▲AF] /[▼🗑⏲] button to select 「On」 or 「Off」 and press the (SET) button to confirm.



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

Supported HDMI Connections

HDMI (High Definition Multimedia Interface) is a fully digital audio/video transmission interface, through which uncompressed audio and video signals are transmitted. Direct transmission of digital video signals to your TV reduces conversion loss and improves image quality.



Connecting HDMI-Ready TV

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

Make sure the camera and the TV are both turned on before connecting.

Refer to your TV instruction manual for information on what resolution sizes it will support. The resolution and output formats that are not supported will be grayed out on the camera's LCD.

Product Specifications

Design and specifications are subject to change without notice.

Image Sensor	Type	1/2.3"BSI CMOS
	Effective Pixels	20.68 Megapixels
	Total Pixels	21.14 Megapixels
Lens	Focal Length	4.3mm (Wide) — 223.6mm (Tele)
	35mm film equivalent	24mm (Wide) — 1248mm (Tele)
	F number	F2.8 (Wide) ~ F5.6 (Tele)
	Lens Construction	13 groups 15 elements
	Optical Zoom	52x
	Optical Zoom	Normal: (Wide) 60cm ~ ∞, (Tele) 300cm ~ ∞; Macro: 1cm ~ ∞ (Wide Only)
Autofocus System		TTL Autofocus
Anti-Handshake		Optical Image Stabilization
Digital Zoom		4x Digital Zoom (Combined Zoom: 208x)

Number of Recording Pixels	Still Image	(4:3) 20MP: 5184 X 3888 10MP: 3648 X 2736 5MP: 2592 X 1944 3MP: 2048 X 1536 0.3MP: 640 X 480	(3:2) 18MP: 5184 X 3456	(16:9) 15MP: 5120 X 2880 2MP: 1920 X 1080
	Movie	1920 X 1080 (30fps), 1280 X 720 (60fps/30fps), 640 X 480 (30fps), High-Speed Movie: 640 X 360 (120fps)		
Image Compression		Best, Fine, Normal		
DCF, DPOF (Ver1.1) Support		Yes		
File Format	Still Image	Exif 2.3 (JPEG)		
	Movie	MOV [Image: H.264; Audio: Linear PCM (Stereo)]		
Shooting Modes		Auto Mode, Program AE, Shutter priority, Aperture priority, Manual Mode, Face Beautifier, Wi-Fi Mode, Scene Mode, Movie Mode, Custom Settings		
Scene Mode		Handheld Night, Pet Mode, Sunset, Fireworks, Multi Exposure, Sport, Night Portrait, Landscape, Portrait, Snow, Children, Party, Panorama Mode		
Detection Features		Face, Smile, Blink, Cat, Dog		
Photo Touch-up		Red-Eye Reduction, Skin Soften, Eye Brightening, Eye Enlargement		
HDR		Yes		

Scan Panorama		Up to 360°
LCD		3.0 inch (460k Pixels)
Image Auto Rotation		Yes
ISO Sensitivity		Auto, ISO100/200/400/800/1600/3200
AF Method		Single AF, Multi-AF (TTL 25-point), Object Tracking, Face-Detection
Exposure Metering Method		Artificial Intelligence AE (AiAE), Center-Weighted Average, Spot (Fixed to Center of Frame), Face AE
Exposure Control Method		Program AE (AE-Lock Available), Shutter Prior AE, Aperture Prior AE
Exposure Compensation		±3 EV in 1/3 Step Increments
Shutter Speed		1/2000 ~ 30 Seconds
Continuous Shot		Yes
Playback Modes		Single, Index (9/16 Thumbnails), Slide Show, Date, Continuous Shooting, Zoom (Approx. x2 ~ x8)
White Balance Control		AWB, Daylight, Cloudy, Fluorescent, Fluorescent CWF, Incandescent, Manual WB, Color Temp. (1900K ~ 10000K)
Flash	Flash Method	Pop-up (Manual)
	Flash Modes	Force Off, Flash Auto, Fill Flash, Slow Sync., Slow Sync.+Red-Eye, Red-Eye Reduction

Recording Media	Internal Memory: Approx. 8MB
	SD/SDHC Card (Up to 32GB Support) [MMC Card Not Supported]
Multi-Language Support	27 Languages
Jacks	AV-OUT/USB 2.0 (Micro 5 pin USB), HDMI (Type D)
Eye-Fi Support	Yes
Wi-Fi	Yes (802.11b/g/n)
Remote Viewfinder	Yes (via ios/Android device)
Power	Rechargeable Li-ion Battery LB-060, 3.7V 1100mAh, In-Camera Charging
Shooting Capability (Battery Performance)	Approx. 240 Shots (Based on CIPA Standards)
Operation Environment	Temperature: 0 ~ 40°C, Humidity: 0 ~ 90%
Dimensions (W X H X D)	Approx. 121.3 X 85.8 X 97.5mm (Based on CIPA Standards)
Weight	Approx. 508g (Body only)

Prompts and Warning Messages

Message	Description	Action
Warning! Battery exhausted.	Warning before power off when the camera battery is exhausted.	Charge the battery.
Lens obstruction, Re-start Camera.	The lens is jammed or some foreign object is preventing the lens from functioning properly.	Turn off the camera and restart it to reset the lens.
Suggest using tripod.	The message will appear when shooting in low light/illuminated scenes.	Use of a tripod or other support is suggested.
Built-in memory error!	An error occurs in built-in memory.	Format the internal memory.
Improper alignment. Please try again.	The offset is too big for panorama shooting.	Remove the message after 2 seconds and return to shooting.
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
Remove USB Cable!	Indicates that you can disconnect the Micro USB cable.	The message disappears after you disconnect the Micro USB cable.
Connection Failed!	Failure to connect to your PC, printer, TV (with HDMI).	Remove the cable and retry connection.
Write Protect !	The memory card is locked.	Unlock the write-protect switch of the memory card.
Card Full !	Indicates that the memory card is full.	Insert a new memory card or delete unwanted images.
Memory Full !	Indicates that the internal memory is full.	Insert a new memory card or delete unwanted images.

Message	Description	Action
Card Error !	The memory card can't be identified after being formatted.	Insert a new memory card or format the card with this camera.
Card is not formatted.	The inserted memory card is unformatted or has been formatted on a computer or other device and is not compatible with this camera.	Disappear after 2 seconds and enter the formatting process.
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.	Use an memory card with Class 4 or higher.
No Red-Eye Detected!	Red eyes have not been detected in the image.	The 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.	The message will disappear after 2 seconds.

Message	Description	Action
Exceeded maximum folder number.	Prompt message when the archives or file folders in the memory card have reached the maximum (9999 for archives, 999 for file folder).	Copy the images to your PC and format the memory card with this camera.
Too many pictures for fast processing.	During the playback by date, the images exceed specifications so that it is not possible to play by date.	This may be solved by deleting unnecessary images.
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.	You may be able to play it back on another brand of camera or on your computer.
No Picture!	When you press the play button, no image files exist in the camera or memory card.	The message disappears 2 seconds later to return to the photo shooting screen.
No continuous group file.	When you switch from the playback mode to continuous photo mode, there is no continuous group file.	The message disappears after 2 seconds and the camera returns to the normal playback mode.
Protected! Undeletable!	The file is protected. The message appears when you delete it.	Unprotect the file before deleting.

Troubleshooting

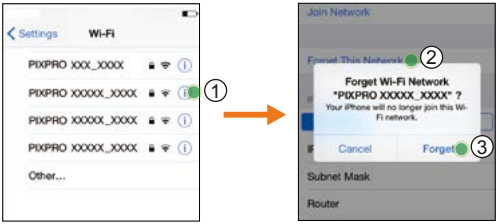
Problem	Possible Causes	Solution
Camera does not turn on	■ The battery has been depleted. ■ The battery is not inserted correctly.	■ Recharge the battery. ■ Correctly reinstall the battery.
Camera turns off suddenly during operation	■ The batteries have been depleted.	■ Recharge the battery.
The picture is blurred	■ Camera shakes while taking a picture.	■ Turn on OIS feature. ■ Please use tripod for high magnification (above 15X) optical zoom.
Images and video files cannot be saved	■ The memory card is full. ■ The memory card is locked.	■ Use another memory card or delete unnecessary files. ■ Unlock the memory card.
Images will not print from the connected printer	■ The camera is not connected to the printer correctly. ■ The printer is not PictBridge compatible. ■ The printer is out of paper or ink. ■ The printer paper is jammed.	■ Check the connection between the camera and printer. ■ Use a PictBridge compatible printer. ■ Load paper into the printer or replace the ink cartridge in the printer. ■ Remove the jammed paper.

Problem	Possible Causes	Solution
Saving data to memory card is slow	■ Using a memory card below Class 4 may result in slower recording times.	■ Use an memory card with write Class higher than 4 to improve performance.
Cannot write to the memory card	■ The memory card has been locked.	■ Release the write lock of the memory card or replace with another card.
Too many movies to process	■ The number of pictures or folders in the memory card exceed the specifications, so the playback of data folder cannot be displayed.	■ Delete unwanted files.
The flash icon appears on the LCD	■ Current shooting environment requires flash.	■ Turn on flash.

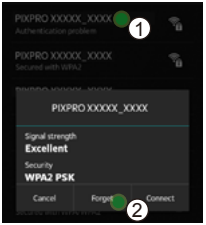
When shooting with stacked filters attached, the corners of the photo may turn dark (Vignetting effect) because the filter holder blocks light from reaching the camera image sensor; especially, at wide angle zoom control settings. Please take test shots and review the results when using stacked filters.

Please enter the new password on smart device after changing Wi-Fi password. Some models of smart device will remember the Wi-Fi password previously entered, so please clear the old password on smart device manually before connection (For different models, this operation may be varied, please subject to your user manual.)

iOS system



Android system



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Ver. 2