- HDR effect may be affected by handshaking, light, subject movement or shooting environment.
  - The flash is not available in HDR mode.
  - It may take longer to save a photo in HDR.
- WDR WDR (Wide Dynamic Range) When the camera detects that there is a big contrast in brightness between scenes and such scenes are against the light, it will automatically adjust the brightness and saturation to capture an image that better represents the scene.

- WDR is not available in ✚😊 mode.
- For WDR in the SCN mode:
  ⬡ : adjustable;
  △ / ▭ : unadjustable and on by default;
  Other modes: not available.

Please refer to page 135~136 for a detailed explanation of HDR and WDR effects.

- ⬛ AE Bracketing (0.3EV, 0.7EV, 1.0EV, 1.3EV, 1.7EV, 2.0EV) The camera will automatically and continuously take three pictures separately with a brightness of original, darker and brighter as long as you press the shutter once. Press the (SET) button to select the range of exposure.

3. Press the (SET) button to confirm the settings and then enter shooting screen.

Mode: ◼️
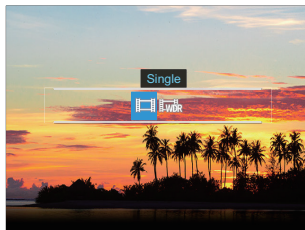
- ▦ Single
- ▦ WDR

Exposure Compensation Functions Setting

The EV Function Menu of the camera includes functions, such as EV (Exposure Value) Adjustment, ISO, Shutter Adjustment, Aperture Adjustment, etc. Using the appropriate Function Settings can improve your pictures.

Please follow the steps below to set:

1. Press the Ⓔ button to display the Settings screen.

   4 options in [Exposure Compensation Functions Setting]:

   • EV Adjustment

   • ISO Adjustment

   • Shutter Speed Adjustment

   • Aperture Adjustment

2. Press the [◀ ♨]/[▶ ⚡] button to select the Setting options.

3. Press the [▲ AF]/[▼ 🗑 ⟳] button to adjust the option values.

4. Press the ⓢⓔⓣ button to complete the setting and enter shooting screen.

EV Adjustment

Set up Exposure Compensation to adjust the picture brightness. If there is very high contrast between the photographed object and the background, the brightness of the picture can be adjusted as necessary. (This can be adjusted in P S A ⁺♨ 🎬 Mode)
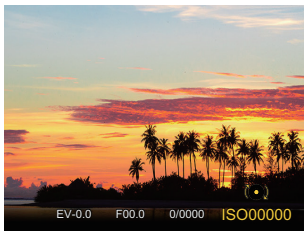

EV-0.0   F00.0   0/0000   ISO00000

The adjustable range of exposure value is from EV -3.0 to EV +3.0.

ISO Adjustment

ISO allows you to set the sensitivity of the camera sensor. Please use a higher ISO value in darker places and a lower value in brighter conditions.

(This can be adjusted in P S A M +⋙ Mode)

Options of ISO value: Auto, 100, 200, 400, 800, 1600 and 3200.

Shutter Speed Adjustment

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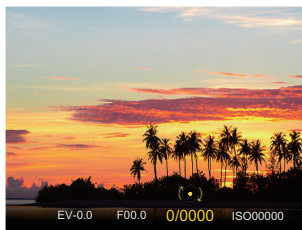
Aperture Adjustment

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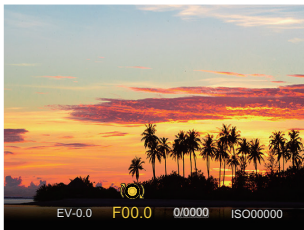
Using Quick Recording

In Photo Shooting Mode, press the ● button to begin recording video.
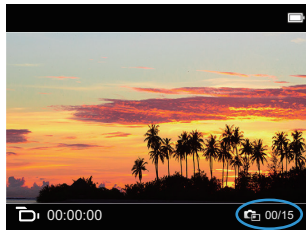
15 pictures at most can be taken by pressing the shutter when recording.

The sizes of images taken are as below when playing them back:

FHD -> 2M 2ₘ

HD -> 1M 1ₘ

DVD -> VGA VGA

Once you are finished, press the ● button again to stop recording. The camera will save the video and return to the shooting screen.

"i" Button Function Menu

Functions that can be enabled are different under each mode.

Mode: P S A M ▶

The image color setting allows you to select different effects.

1. Press the ⓘ button to select the Image color setting menu.
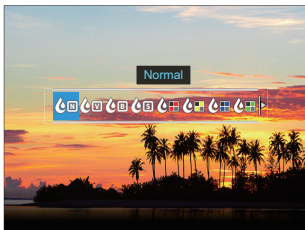
2. Press the [◀ ♣]/[▶ ⚡] button to select the image color setting options.

   • ⬛ Normal
   • ⬛ Vivid
   • ⬛ Black and White
   • ⬛ Sepia

   • ⬛ Partial Color-Red
   • ⬛ Partial Color-Yellow
   • ⬛ Partial Color-Blue
   • ⬛ Partial Color-Green
   • ⬛ Dreamy
   • ⬛ Vignetting
   • ⬛ Salon
   • ⬛ Punk
   • ⬛ Negative
   • ⬛ Reflection
   • ⬛ Sketch
   • ⬛ Fish Eye
   • ⬛ 4 Grids - Stylish (2M)

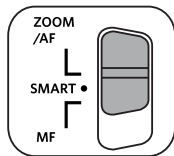📘 Fish Eye effect is not available when shot size is 20M.

Using the Lens Function Ring

There is a lens function ring lever in one side of the lens. Moving it up and down can switch among ZOOM/AF, SMART and MF mode.
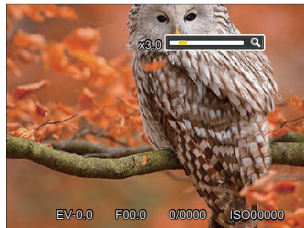
Zoom/AF Mode

Rotate the lens function ring for optical zoom.
1. Switch the lens function ring lever to position $^{ZOOM}_{/AF}$.

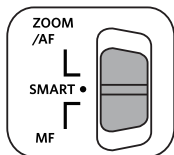2. Rotate the lens function ring to optically zoom the object.

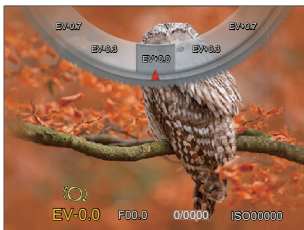Rotating the lens function ring in Zoom/AF mode is only for optical zoom.

Function Ring (Smart) Mode

Rotate the lens function ring to set parameters of aperture, shutter, ISO, EV, etc.

1. Switch the lens function ring lever to position **SMART**.

2. Rotate the lens function ring or turn the 🔘 jog dial to select options needed.

3. Press the (SET) button to complete the setting and enter shooting screen.

📄 The selection of functions of Function Ring (Smart) in the menu is needed before using Function Ring (Smart) mode. The default setting is Normal. (See P91 for details)

Options	Referred Pages
Normal	P64
Aperture Priority	P66
Shutter Priority	P65
EV	P64
ISO	P65
Continuous Shot	P62
Color	P67
White Balance	P60
Image Size	P82
Expo Metering	P79
Flash	P58
AF Area	P55

MF(Manual Focus) Mode

Rotate the lens function ring for manual focus.

1. Switch the lens function ring lever to position **MF**.
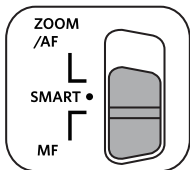
2. If the lens function ring is operated or the (⊚) jog dial is turned the focus enlargement frame will appear on the LCD. After clear focus is achieved through manual adjustment, press the (SET) button to close the focus enlargement frame. The camera will return to the normal shooting screen. Semi-pressing the shutter button will have no effect; you need to fully press the shutter button to take a normal photo.

📖 Manual focus works only under the **P S A M** mode.

📖 The MF assist needs to be enabled in the menu before it will function. (See P85 for details)

PLAYBACK

Viewing Photos and Videos

For viewing taken photos and videos on the LCD:

1. After pressing the ⊡ button, the last photo or video clip taken will be displayed on the LCD.
2. Press the [◀ ♥]/[▶ ⚡] button to scroll through the photos or video clips stored in the built-in memory or on the Memory Card.
3. To play a selected video clip, press the (SET) button to enter the movie playback mode.

An operation guide appears on the screen when playing back a video. Press the appropriate buttons to enable the corresponding functions.

Under Playback   Paused

SET ∭	Pause
◁ ⊲⊲	Rewind
▷ ⊳⊳	Fast Forward

◉	Clockwise Volume Up
	Counterclockwise Volume Down
—	Volume
—	Mute

SET ▷	Play
◁ ⊲∭	Frame Backward
▷ ∭⊳	Frame Forward
△ ↩	Cancel Playback

Thumbnail View

When in Playback Mode, rotate the Zoom Lever counter to the ᴡ◌ position to display thumbnail images of the photos and videos on the screen.

W Zoom Out ⟵ ⟶ T Zoom In
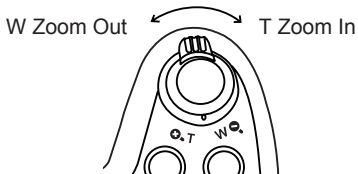
1. Slide the Zoom lever to switch between 3 x 3 and 4 x 4 thumbnails.

2. Press the [▲ AF]/[▼ 🗑 ⟳]/[◀ ♥]/ [▶ ⚡] button to select a picture or video clip to view and press the (SET) button to restore it to the original size.

3. As shown in the picture, press the (☰) button to select index mode.

    4 options in [Index Mode] :

    • Single Index
   • Date Folder
    • Cont. Group
    • Slide Show

    When the icon [☷] appears, it means this is a video file.

    When the icon [☐] appears, it means this is a continuous group file.

Using Zoom Playback (for still pictures only)

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

1. Press the ⊡ button to switch to Playback Mode.
2. Press the [◀ ☙]/[▶ ⚡] button to select a picture to be zoomed in on.
3. Rotate the Zoom lever to Q T position to zoom in.
4. Roll the ◉ jog dial clockwise to zoom in and counterclockwise to zoom out.
5. The bottom right corner of the LCD will display the number of times the image is magnified and area of the photo shown.
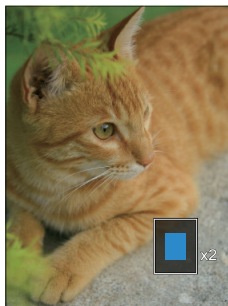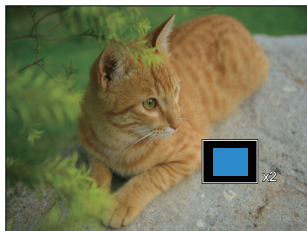
6. Press the [▲ AF]/[▼ ☵ ⟳]/ [◀ ☙]/[▶ ⚡] button to navigate and select a portion of the photo to be zoomed in on.
7. Press the ⟨SET⟩ button to return the image to its original scale.

Movie images cannot be magnified.

Continuous Shot Group Playback

High speed (VGA) and fast (2M) Continuous Shot images can be played back as a group.

1. Press the ⏵ button to enter Playback Screen.
2. Press the [◀ ♥]/[▶ ♦] button to select Continuous Group.
3. Press the (SET) button to start playback.

Cont. Group   Playing   Pause

SET ▯▯	Pause
▲ ↺	Cancel Play (back to 1:1 playback for Continuous Group)

Playing

SET ▷	Play
◁ ◁▯	Previous Photo (loop available only in Continuous Group)
▷ ▯▷	Next Photo (loop available only in Continuous Group)
▲ ↺	Cancel Play (back to 1:1 playback for Continuous Group)

Pause

Animation Panorama Play

Panoramic Animation Playing is to play full size image in accordance with the shooting direction. After playing, it will automatically return to the static screen of panoramic image.

1. Press the ⊙ button to enter Playback Screen.
2. Press the [◀ ♨]/[▶ ⚡] button to select animated panoramic photos.
3. Press the ⑤ⓔⓣ button to play in selected shooting direction.

Video Panorama   Playing   Pause

| SET OO	Pause
▲ ⤺	Cancel Play

In the process of panoramic animation playback, press the [▲ AF] button to stop playing and return to the playback screen.

Picture will not be rotated during panorama play or pause.

Slideshow

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

1. Press the ▶ button to enter playback screen.

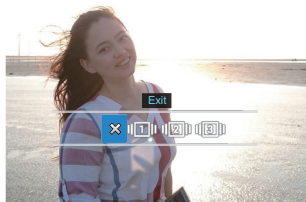2. Rotate the Zoom lever counter to the **W Q** position to display thumbnails 3 x 3 and then press the ☰ button to select the index mode.
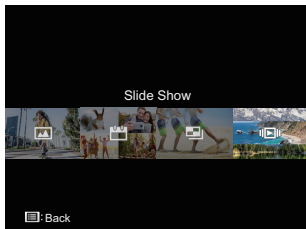
3. Press the [◀ ♥]/[▶ ⚡] button to select Slideshow Playing and then press the (SET) button to enter slide option.

4. Press the [◀ ♥]/[▶ ⚡] button to select play effect and then press the (SET) button to confirm.

• ⊗ Exit

• ⬜①⬜ Type 1: Slow-in and slow-out

• ⬜②⬜ Type 2: Separate in middle and move off to the left and right

• ⬜③⬜ Type 3: Separate into blocks and spin in

Deleting Photos and Videos

In Playback Mode, press the [▼ 🗑 ⏱] button to delete your photos and videos.
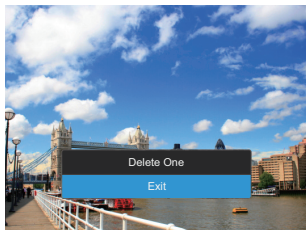
To delete photos or videos:

1. Press the 🖼 button to switch to playback mode.
2. Press the [◀ 🌺]/[▶ ⚡] button to select the photos or videos to be deleted.
3. Press the [▼ 🗑 ⏱] button and the deletion screen is displayed.

4. Press the [▲ AF]/[▼ 🗑 ⏱] button to select [Delete One] or [Exit] and press the (SET) button to confirm.

Erased photos/video clips cannot be recovered.

Please refer to page 98 for instructions on deleting more than one image at a time.