







Using Zoom

The  **Zoom** allows you to zoom in on a subject with less degradation of photo quality than the Digital zoom. However, the photo resolution may change compared to when you zoom in by rotating the zoom ring.




- 1 Rotate the mode dial to **P**, **A**, **S**, **M**, or .
- 2 Press [**i-Function**] on the lens to select  **Zoom**.
 - You can also press [**i-Function**], and then press [/AF] or drag the screen to select  **Zoom**.
- 3 Adjust the focus ring to select a zoom ratio.
 - You can also scroll the jog dial or drag the screen to select an option.
 - Photo resolution varies according to the zoom ratio if you use the  **Zoom**.

	3:2	16:9	1:1
x1.2	4560X3040 (13.9M)	4560X2568 (11.7M)	3040X3040 (9.2M)
x1.4	3888X2592 (10.1M)	3888X2184 (8.5M)	2592X2592 (6.7M)
x1.7	3264X2176 (7.1M)	3264X1840 (6.0M)	2176X2176 (4.7M)
x2	2736X1824 (5.0M)	2736X1536 (4.2M)	1824X1824 (3.3M)

These figures are based on the maximum resolution at each image ratio.


- 4 Half-press [**Shutter**] to focus, and then press [**Shutter**] to capture the photo.





-  **Zoom** is not available when you capture burst shots.
-  **Zoom** is not available when you capture photos in the RAW file format.
-  **Zoom** is deactivated when you record videos by pressing the video recording button.
- This function is not available when you set **3D Auto Mode** in 3D mode.

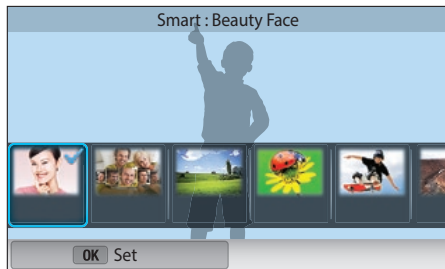
Smart mode

In Smart mode, you can capture photos with options that are preset for a specific scene.

1 Rotate the mode dial to .

2 Select a scene.

- To select a shooting mode when the mode dial is set to , press **[Fn]** or touch , and then select a desired mode.



Option	Description
Beauty Face	Capture a portrait with options to hide facial imperfections.
Best Face	Capture multiple photos and replace faces to create the best possible image.
Landscape	Capture still-life scenes and landscapes.
Macro	Capture small or close-up subjects.
Action Freeze	Capture subjects moving at high speed.

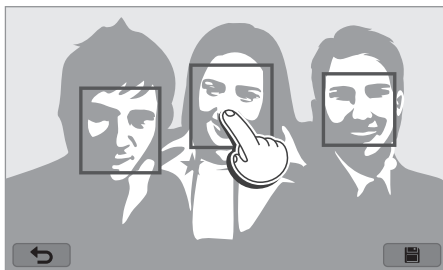
Option	Description
Rich Tones	Capture a photo with vibrant colors.
Panorama	Capture a wide panoramic scene in a single photo.
Waterfall	Capture scenes with waterfalls.
Silhouette	Capture subjects as dark shapes against a light background.
Sunset	Capture scenes at sunset, with natural-looking reds and yellows.
Night	Capture multiple photos in low light conditions without a flash. The camera combines them to create a single image that is brighter and has less blurring.
Fireworks	Capture scenes with fireworks.
Light Trace	Capture scenes with the light trailing in low-light conditions.
Creative Shot	Capture photos with effects applied automatically.

3 Half-press **[Shutter]** to focus, and then press **[Shutter]** to capture.


Using the Best Face mode

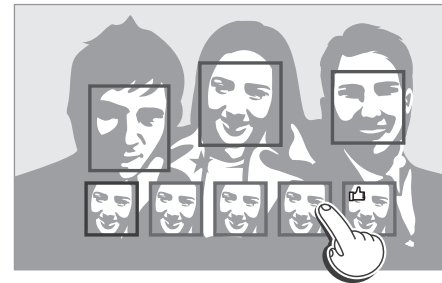
In Best Face mode, you can capture multiple photos and replace faces to create the best possible image. Use this mode to select the best image for each individual when capturing group photos.

- 1 Rotate the mode dial to **S**, and then select **Best Face**.
- 2 Align your subject in the frame, and then half-press **[Shutter]** to focus.
- 3 Press **[Shutter]** to capture the photo.
 - The camera captures 5 photos consecutively.
 - The first photo is set as the background image.
 - The camera automatically detects faces after shooting.
- 4 Touch a face to replace.



- 5 Touch the best image from the 5 faces that were captured.

- Repeat steps 4 and 5 to replace the rest faces of the photo.
- The  icon will appear on the image that the camera recommends.




- 6 Touch  to save the photo.



- Use a tripod to prevent your camera from shaking.
- The resolution is set to 5.9M or smaller.

Capturing panoramic photos

Capture a 2D or 3D panoramic photo. Captured 3D panoramic photos can be viewed only on a 3D TV or 3D monitor.

- 1 Rotate the mode dial to **S**, and then select **Panorama**.
- 2 Press **[MENU]** →  → **Panorama** → **Live Panorama** or **3D**.
- 3 Press **[MENU]** to return to Shooting mode.
- 4 Press and hold **[Shutter]** to start shooting.

- 5 With **[Shutter]** pressed, slowly move the camera in the direction you selected.

- In 3D Panorama mode, you can capture a scene only in horizontal directions.
- An arrow toward the direction of motion is displayed, and the entire shooting image is displayed in the preview box.
- When the scenes are aligned, the camera captures the next photo automatically.



- 6 When you are finished, release **[Shutter]**.


- The camera will automatically save the shots into one photo.
- If you release **[Shutter]** while shooting, the panoramic shooting stops and photos that have been captured are saved.



- The resolution varies depending on the panoramic photo you captured.
- In Panorama mode, some shooting options are not available.
- The camera may stop shooting due to the shooting composition or the subject's movement.
- In Panorama mode, your camera may not capture the entire last scene if you stop moving the camera to improve the photo quality. To capture the entire scene, move your camera slightly beyond the point where you want the scene to end.
- In 3D Panorama mode, your camera may not capture the very beginning or end of a scene due to the nature of the 3D effect. To capture the entire scene, move slightly beyond the beginning and end points you want to capture.
- Photos captured with the 3D function are saved in JPEG (2D) and MPO (3D) formats. On your camera's display, you can view only JPEG files.
- To view 3D files, connect your camera to a 3D TV or 3D monitor with an optional HDMI cable. While viewing, wear proper 3D glasses.
- Capturing photos in 3D Panorama mode may result in a less pronounced 3D effect than those captured with a 3D lens. To increase the 3D effect, attach the optional 3D lens and use 3D mode. (p. 65)





- For best results when capturing panoramic photos, avoid the following:
 - moving the camera too quickly or too slowly
 - moving the camera too little to capture the next image
 - moving the camera at irregular speeds
 - shaking the camera
 - shooting in dark places
 - capturing moving subjects nearby
 - shooting conditions where the brightness or color of light is changing
- Photos taken are automatically saved, and shooting is stopped under the following conditions:
 - if you change the shooting direction while shooting
 - if you move the camera too rapidly
 - if you don't move the camera

Recording a video

In Shooting mode, you can record Full HD videos (1920X1080) by pressing  (Video recording). The camera lets you record a video up to 29 minutes and 59 seconds in length at 60, 30, 24, or 15 fps, and saves the files in MP4 (H.264) format. 60 fps is available only with 1920X1080 and 1280X720 and 24 fps is available only with 1920X810. 15 fps is available only with some Smart Filter options. The sound is recorded via the camera's microphone.

You can set the exposure by adjusting the aperture value and shutter speed for the mode you selected. When you use a lens that does not have an AF/MF switch while recording a video, press [**AF**] to deactivate or activate the AF function. When you use the lens that has an AF/MF switch, the AF function works according to the switch's setting.

Select **Fader** to fade in or out a scene. You can also select **Voice**, **Wind Cut**, or other options to set recording options. (p. 105)

- 1 Rotate the mode dial to **AUTO**, **P**, **A**, **S**, **M**, , or .
 - This feature may not work in some modes.
- 2 Set the desired options.
 - 3 Press  (Video recording) to start recording.
 - 4 Press  (Video recording) again to stop.

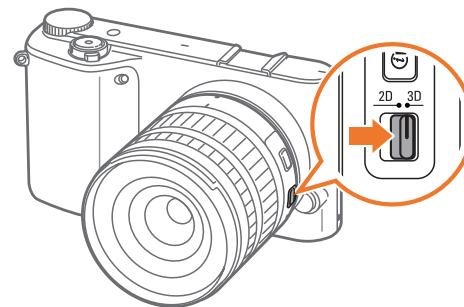


- H.264 (MPEG-4 part10/AVC) is the latest video coding format established in 2003 collaboratively by ISO-IEC and ITU-T. Since this format uses a high compression rate, more data can be saved in less memory space.
- If you have the image stabilizer option on when shooting a movie, the camera may record the image stabilizer sound.
- The zoom sound or other lens sounds may be recorded if you adjust the lens while recording a video.
- When using an optional video lens, the autofocus noise is not recorded.
- If you remove the camera lens while recording a movie, the recording will be interrupted. Do not change the lens while recording.
- If you attach an external microphone while recording a movie, sound will not be recorded through the external microphone. (The previous settings are maintained.) If you remove the external microphone while recording a movie, sound will not be recorded. Turn off the camera before attaching or removing the external microphone.

- If you change the shooting angle of the camera suddenly while shooting a movie, the camera may not be able to record images accurately. Use a tripod to minimize camera shake.
- The camera supports only the Multi AF function when recording a video. You cannot use any other focus area setting functions, such as Face Detection AF.
- When the size of a movie file exceeds 4 GB, the camera automatically stops recording even if the maximum recording time (29 minutes and 59 seconds) has not been reached.
- If you use a slow writing memory card, the recording of your movie can be interrupted because the card cannot process data at the rate the video is being shot. If this occurs, replace the card with a faster memory card or reduce the video size (for example, from 1280X720 to 640X480).
- When formatting a memory card, always format using the camera. If you format on another camera or a PC, you can lose files on the card or cause a change in the capacity of the card.
- When you press the video recording button, **Zoom** turns off.
- While recording a video in the same ISO sensitivity, the screen may be darker than taking a photo. Adjust the ISO sensitivity.
- When you record a video in **P**, **A**, or **S** mode, ISO is automatically set to **Auto**.



3D mode

You can capture 3D photos or videos with an optional 3D lens.





SAMSUNG 45 mm F1.8 [T6] 2D/3D lens (example)

Set the 2D/3D switch on the lens to **3D**, and then capture a photo or video 1.5-5 m away from the subject.

- 3D mode is always on, regardless of the mode dial of the camera, except **Wi-Fi**.
- To use auto 3D options that enable the camera to set shooting options automatically depending on shooting conditions in 3D mode, press **[MENU]** →  → **3D Auto Mode** → **On**.
- To change the 3D recording option, press **[MENU]** →  → **3D REC Mode** → a desired option.

* Default

Icon	Description
	Side by Side* : Displays two images next to each other.
	Frame Packing : Displays the images for the left and right eye alternately in frames.



- Available shooting options differ compared to other shooting modes.
- You can select either 4.1M (2688X1512) or 2.1M (1920X1080) photo size.
- The video resolution is set to 1920X1080.
- Videos recorded in 3D may be dark or playback may be jittery.
- Shooting in low temperatures may result in color distortion in images and may consume more battery power.
- You may not be able to shoot properly in conditions below 8.5 LV/900 lux. For best results, capture photos in places with sufficient light.
- When you photograph objects that contain polarizing material, such as a display, sunglasses, or a polarizing filter, or use the polarizing material with your lens, the images may appear dark or the 3D effect may not be applied properly.
- Use a tripod to prevent your camera from shaking.
- If you rotate or tilt the camera vertically while shooting, the 3D effect may not be applied properly. Capture images with the camera in the normal position.
- If you shoot in fluorescent lighting or capture images displayed by projectors or TVs, the images may appear black due to the flicker effect.
- In 3D mode, the Enlarge x8 option of MF Assist may not be available.
- The camera's display shows 3D videos only in 2D.
- Photos captured with the 3D function are saved in JPEG (2D) and MPO (3D) formats. On your camera's display, you can view only JPEG files.
- To view 3D files, connect your camera to a 3D TV or 3D monitor with an optional HDMI cable. While viewing, wear proper 3D glasses.

Available functions by shooting mode

For details about shooting functions, see Chapter 2.
Press a shortcut for each function.

Function	Available in
Photo Size (p. 72)	P/A/S/M/ S */ AUTO /3D*
Quality (p. 73)	P/A/S/M/ S *
ISO (p. 74)	P/A/S/M
White Balance (p. 75)	P/A/S/M/3D*
Picture Wizard (p. 78)	P/A/S/M/3D
Smart Filter (p. 100)	P/A/S/M
AF Mode (p. 79)	P/A/S/M/ S */3D*
AF Area (p. 82)	P/A/S/M/ S *
Touch AF (p. 85)	P/A/S/M/ S */ AUTO /3D*
MF Assist (p. 87)	P/A/S/M/ S / AUTO /3D*
Focus Peaking (p. 87)	P/A/S/M/ S / AUTO

Function	Available in
Link AE to AF Point (p. 98)	P/A/S/M
Framing Mode (p. 56)	P/A/S/M
OIS (Anti-Shake) (p. 88)	P/A/S/M/ S */ AUTO *
Drive (Continuous/Burst/Timer/Bracketing) (p. 89)	P/A/S/M/ S */ AUTO */3D*
Metering (p. 96)	P/A/S/M
Dynamic Range (p. 99)	P/A/S/M
Flash (p. 93)	P*/A*/S*/M*/ S */ AUTO *
Exposure compensation (p. 101)	P/A/S
Exposure lock (p. 102)	P/A/S

* Some functions are limited in these modes.

Chapter 2

Shooting Functions

Learn about the functions you can set in Shooting mode.
You can enjoy more customized photos and videos by using the shooting functions.

Size and Resolution













Photo size

As you increase the resolution, your photo or video will include more pixels, so it can be printed on larger paper or displayed on a larger screen. When you use a high resolution, the file size will also increase. Select a low resolution for photos that will be displayed in a digital picture frame or uploaded to the web.



To set the size,

In Shooting mode, press [MENU] →  → **Photo Size** → an option.

Icon	Size	Recommended for
	5472x3648 (3:2)	Printing on A1 paper.
	3888x2592 (3:2)	Printing on A2 paper.
	2976x1984 (3:2)	Printing on A3 paper.
	1728x1152 (3:2)	Printing on A5 paper.
	5472x3080 (16:9)	Printing on A1 paper or viewing on an HDTV.
	3712x2088 (16:9)	Printing on A3 paper or viewing on an HDTV.
	2944x1656 (16:9)	Printing on A4 paper or viewing on an HDTV.
	1920x1080 (16:9)	Printing on A5 paper or viewing on an HDTV.
	3648x3648 (1:1)	Printing a square photo on A1 paper.
	2640x2640 (1:1)	Printing a square photo on A3 paper.
	2000x2000 (1:1)	Printing a square photo on A4 paper.
	1024x1024 (1:1)	Printing a square photo on A5 paper.



Available options may differ depending on shooting conditions.

Quality

The camera saves photos in either the JPEG or RAW format.

Photos captured by a camera are often transformed to the JPEG format and stored in the memory according to the settings of the camera at the time of shooting. RAW files are not transformed to the JPEG format and are stored in the memory without any changes.






RAW files have the file extension “SRW”. To adjust and calibrate exposures, White Balances, tones, contrasts, and colors of the RAW files, or to convert them into JPEG or TIFF format, use the Adobe Photoshop Lightroom program found on the supplied DVD-ROM.

Ensure you have enough space on the memory card to save photos in the RAW format.

To set the quality,

In Shooting mode, press [MENU] →  → **Quality** → an option.

Icon	Format	Description
	JPEG	Super Fine: <ul style="list-style-type: none"> Compressed for the best quality. Recommended for printing in large size.
	JPEG	Fine: <ul style="list-style-type: none"> Compressed for better quality. Recommended for printing in normal size.

Icon	Format	Description
	JPEG	Normal: <ul style="list-style-type: none"> Compressed for normal quality. Recommended for printing in small size or uploading to the web.
	RAW	RAW: <ul style="list-style-type: none"> Save a photo without data loss. Recommended for editing after shooting.
	RAW+JPEG	RAW + S.Fine: Save a photo in both the JPEG (S.Fine quality) and RAW format.
	RAW+JPEG	RAW + Fine: Save a photo in both the JPEG (Fine quality) and RAW format.
	RAW+JPEG	RAW + Normal: Save a photo in both the JPEG (Normal quality) and RAW format.



Available options may differ depending on shooting conditions.

ISO sensitivity

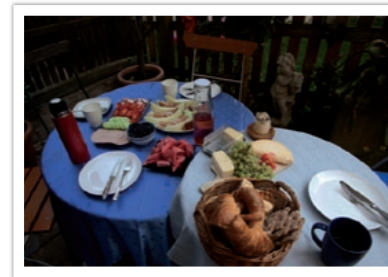
The ISO sensitivity value represents the sensitivity of camera to light.

The larger the ISO value, the more sensitive the camera is to light. Consequently, by selecting a higher ISO sensitivity value, you can capture photos in dim or dark places at faster shutter speeds. However, this may increase electronic noise and result in a grainy photo.

To set ISO sensitivity,

In Shooting mode, press **[ISO]** → an option.

Examples



ISO 100



ISO 400




ISO 800



ISO 3200



- You can also set the option by pressing **[MENU]** →  → **ISO** → an option in Shooting mode.
- Increase the ISO value in places where flash use is prohibited. You can capture a clear photo by setting a high ISO value without having to secure more light.
- Use the Noise Reduction function in order to reduce the visual noise that can appear on photos of a high ISO value. (p. 145)
- Available options may differ depending on the shooting conditions.


White Balance




White Balance represents the light source that influences on the color of a photo.







The color of a photo depends on the type and quality of the light source. If you want the color of your photo to be realistic, select an appropriate lighting condition to calibrate the White Balance, such as **Auto WB**, **Daylight**, **Cloudy**, **Tungsten**, or adjust color temperature manually.

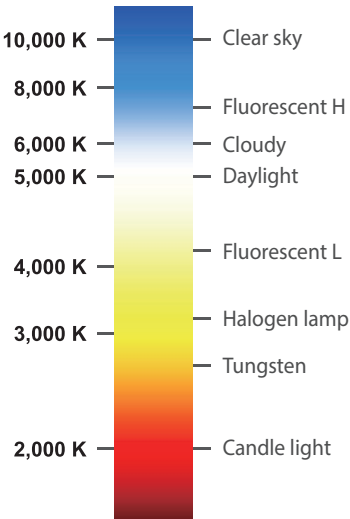
You can also adjust color for the preset light sources so that the colors of the photo match the actual scene under mixed lighting conditions.

To set the White Balance,

In Shooting mode, press [MENU] →  → **White Balance** → an option.

Icon	Description
	Auto WB: Use automatic settings depending on the lighting conditions.
	Daylight: Select when taking outdoor photos on a sunny day. This option results in photos closest to the natural colors of the scene.
	Cloudy: Select when taking outdoor photos on a cloudy day or in shadows. Photos captured on cloudy days tend to be more bluish than on sunny days. This option offsets that effect.

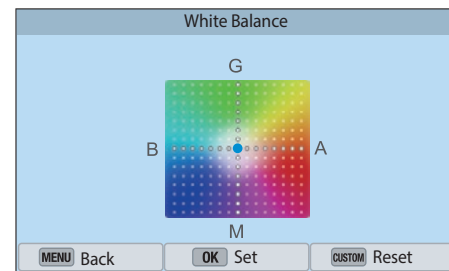
Icon	Description
	Fluorescent White: Select when shooting under a daylight fluorescent lamp. Especially for white fluorescent light with a color temperature of about 4,200K.
	Fluorescent NW: Select when shooting under a daylight fluorescent lamp. Especially for white fluorescent light of very white hues with a temperature of about 5,000K.
	Fluorescent Daylight: Select when shooting under a daylight fluorescent lamp. Especially for white fluorescent light of slightly bluish hue with a temperature of about 6,500K.
	Tungsten: Select when taking indoor photos under incandescent bulbs or halogen lamps. Incandescent tungsten bulbs tend to have a reddish hue. This option offsets that effect.
	Flash WB: Select when using a flash.
	Custom Set: Use your pre-defined settings. You can manually set the White Balance by pressing [DISP], and then shooting a white sheet of paper. Fill the spot metering circle with the paper and set the White Balance.


Icon	Description
K	<p>Color Temperature: Manually adjust the color temperature of the light source. Color temperature is a measurement in degrees Kelvin that indicates the specific type of light source. As the color temperature increases, the color distribution becomes cooler. Alternatively, as the color temperature decreases, the color distribution becomes warmer. Press [DISP], and then adjust the color temperature.</p>  <p>10,000 K — Clear sky</p> <p>8,000 K — Fluorescent H</p> <p>6,000 K — Cloudy</p> <p>5,000 K — Daylight</p> <p>4,000 K — Fluorescent L</p> <p>3,000 K — Halogen lamp</p> <p>2,000 K — Tungsten</p> <p>2,000 K — Candle light</p>


Customizing preset White Balance options

You can also customize preset White Balance options.

To customize preset options, In Shooting mode, press **[MENU]** →  → **White Balance** → an option → **[DISP]** → scroll the jog dial, or press **[DISP/ISO/⏏/AF]**.



 You can also touch an area on the screen.

 Available options may differ depending on shooting conditions.

Examples



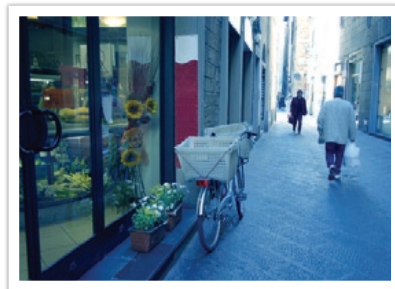
Auto WB



Daylight



Fluorescent Daylight



Tungsten



Picture Wizard (photo styles)

Picture Wizard lets you apply different photo styles to your photo to create various looks and emotional moods. You can also create and save your own photo styles by adjusting color, saturation, sharpness, and contrast for each style.

There is no rule for which style is suitable in which conditions. Experiment with different styles and find your own settings.

To set a photo style,

In Shooting mode, press **[MENU]** →  → **Picture Wizard** → an option.

Examples



Standard



Vivid



Portrait



Landscape



Forest



Retro



Cool






Calm



Classic



- You can also adjust the value of the preset style settings. Select a Picture Wizard option, press **[DISP]**, and then adjust color, saturation, sharpness, or contrast.
- To customize your own picture wizard, select , , or  and then adjust the color, saturation, sharpness, and contrast.
- Picture Wizard options cannot be set with Smart Filter options at the same time.

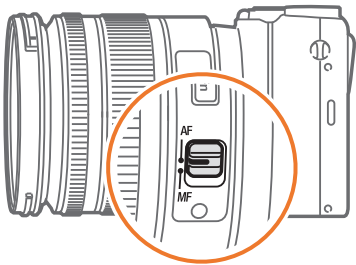
AF mode

Learn how to adjust the camera's focus according to the subjects.

You can select a focusing mode appropriate to the subject among Single Auto Focus, Continuous Auto Focus, and Manual Focus. The AF function is activated when you press [**Shutter**] halfway. In the MF mode, you have to rotate the focus ring on the lens to focus manually.

In most cases, you can have a focus by selecting **Single AF**. Fast moving subjects or subjects of a color similar to the background are difficult to focus. Select an appropriate focusing mode for such instances.

If your lens has an AF/MF switch, you must set the switch according to the selected mode. Set the switch to AF when you select Single AF or Continuous AF. Set the switch to MF when you select Manual Focus.




When your lens has no AF/MF switch, press [**AF**] to select a desired AF mode.

To set the auto focus mode,

In Shooting mode, press [**AF**] → an option.



- You can also set the option by pressing [**MENU**] →  → **AF Mode** → an option in Shooting mode.
- The available options may differ depending on the lens in use.

Single AF

Single AF is appropriate for shooting a still subject. When you press **[Shutter]** halfway, the focus fixes in the focus area. The area turns green when the focus is achieved.



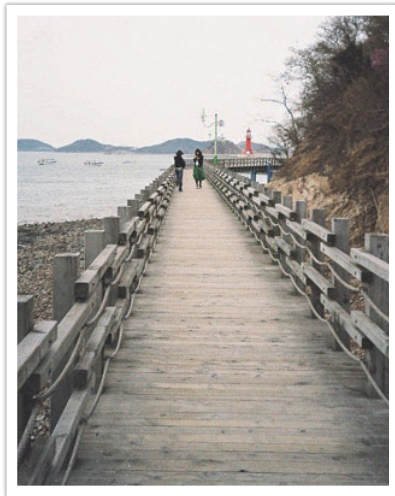
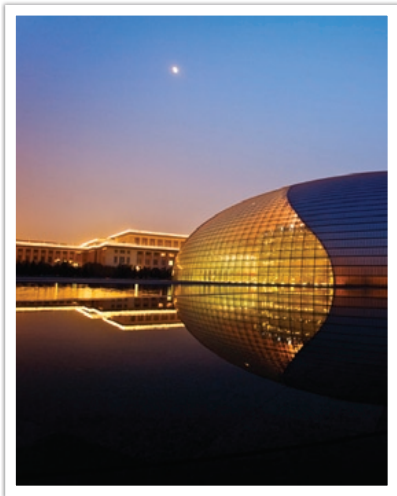
Continuous AF

While you are pressing **[Shutter]** halfway, the camera continues to automatic focusing. Once the focus area is fixed on the subject, the subject is always in focus even when moving. This mode is recommended for shooting a person on a bicycle, a running dog, or a car racing scene.



Manual focus

You can manually focus on a subject by rotating the focus ring on the lens. The MF Assist function lets you easily achieve a focus. While you are rotating the focus ring, the focus area is magnified. When you use the Focus Peaking function, the color you selected appears on the focused subject. This mode is recommended for shooting an object similar in color to the background, a night scene, or fireworks.



If you use this function, you cannot set Touch AF, AF Area, and Link AE to AF Point options.



AF area

The AF area function changes the positions of the focus area.

Generally, cameras focus on the nearest subject. When there are a lot of subjects, however, unwanted subjects can be in focus. In order to prevent unwanted subjects from being in focus, change the focus area so that a desired subject is in focus. You can get a clearer and sharper photo by selecting an appropriate focus area.

To set the auto focus area,

In Shooting mode, press [MENU] →  → **AF Area** → an option.

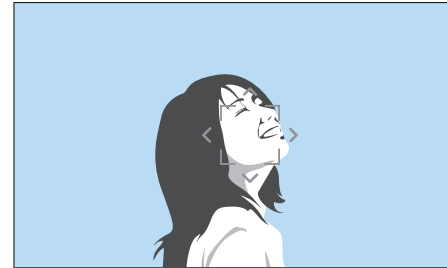


- Available options may differ depending on shooting conditions.
- When the AF/MF switch is set to MF, you cannot change the AF area from the shooting menu.
- When you use the Face Detection AF option, the camera focuses on the area with the white frame automatically.
- Depending on the Picture Wizard options, Face Detection may not be effective.
- When you set manual focus, Face Detection may not be available.
- Face Detection may not be effective when:
 - the subject is far from the camera
 - it is too bright or too dark
 - the subject is not facing the camera
 - the subject is wearing sunglasses or a mask
 - the subject's facial expression changes drastically
 - the subject is backlit or the lighting conditions are unstable

Selection AF

You can set the focus on an area you want. Apply an out-of-focus effect to make the subject more distinguishable.

The focus on the photo below was repositioned and resized so that it fits the subject's face.



To resize or move the focus area, in Shooting mode, press [⏏]. Use the navigation button to move the focus area. Scroll the jog dial to resize the focus area.

Multi AF

The camera displays a green rectangle in places where focus is set correctly. The photo is divided into two or more areas, and the camera obtains focus points of each area. It is recommended for scenery photos.

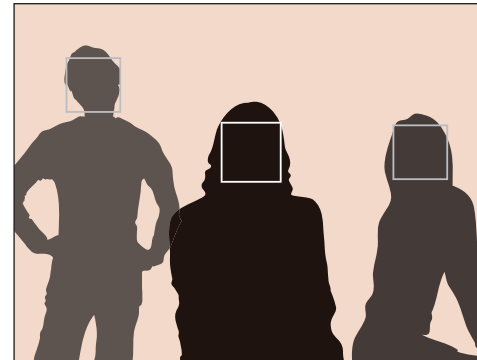
When you press [**Shutter**] halfway, the camera displays the focus areas as shown in the photo below.



Face detection AF

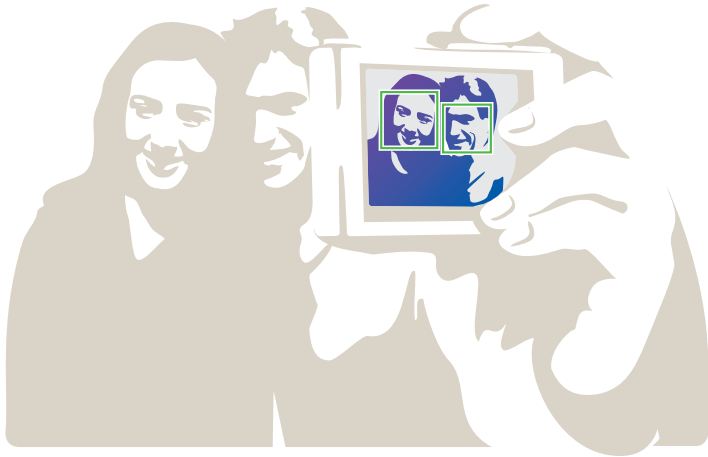
The camera focuses on human faces preferentially. Faces of up to 10 people can be detected. This setting is recommended for shooting a group of people.

When you press [**Shutter**] halfway, the camera focuses on faces as shown in the photo below. In cases of shooting a group of people, the camera displays the focus on the nearest person's face in white and the rest of the people's faces in gray.



Self-Portrait AF

It can be difficult to check whether your face is in focus when you are taking a self-portrait. When this function is on, the beep from the camera gets faster when your face is located at the center of the composition.



Touch AF

Focus on the subject or capture a photo by touching on the screen.

To set Touch AF,

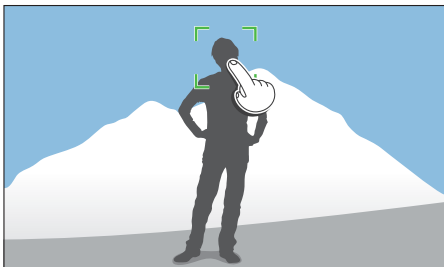
In Shooting mode, press [MENU] →  → **Touch AF** → an option.



Available options may differ depending on the shooting conditions.

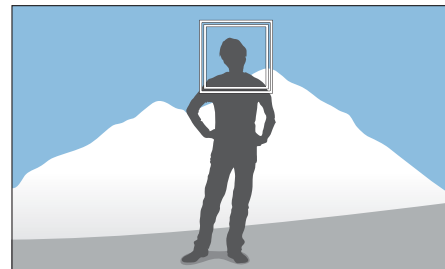
Touch AF

Touch AF allows you to focus on the subject that you touch on the screen.

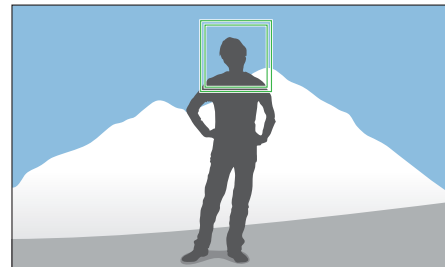


Tracking AF

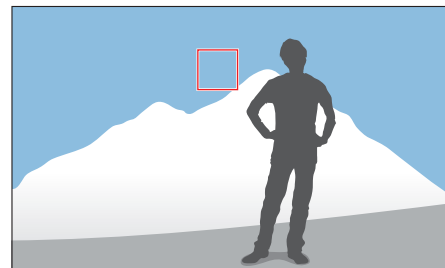
Tracking AF allows you to track and automatically focus on your subject, even when the subject is moving or when you change the shooting composition.



White frame: Your camera is tracking the subject.



Green frame: Your subject is in focus when you half-press [Shutter].



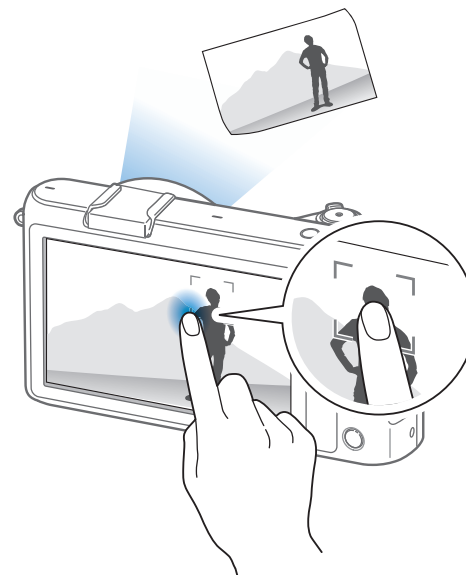
Red frame: Your camera failed to focus.



- If you do not select a focus area, the Auto Focus function does not work.
- Tracking a subject may fail when:
 - the subject is too small
 - the subject moves excessively
 - the subject is backlit or you are shooting in a dark place
 - colors or patterns on the subject and the background are the same
 - the subject includes horizontal patterns, such as blinds
 - the camera shakes excessively
- When tracking fails, the feature will be reset.
- If the camera fails to track the subject, the focus area will be reset.
- If the camera fails to focus, the focus frame will change to red and the focus will be reset.

One touch shot

You can capture a photo with the touch of your finger. As you touch on a subject, the camera focuses on the subject automatically and captures a photo.



Focus assist


In the manual focus mode, you have to rotate the focus ring on the lens to focus. When you use the MF Assist function or the Focus Peaking function, you can achieve a clearer focus. This function is only available on a lens that supports manual focus.

MF Assist


In the manual focus mode, you can enlarge the scene and easily adjust the focus while rotating the focus ring.

To set the manual focus assist,

In Shooting mode, press [MENU] →  → MF Assist → an option.

Option	Description
Off	Do not use the MF Assist function.
Enlarge x5*	The focus area is magnified by 5 times when you rotate the focus ring. 


* Default

Option	Description
Enlarge x8	The focus area is magnified by 8 times when you rotate the focus ring. 

Focus Peaking

In the manual focus mode, the color you selected appears on the focused subject to help you focus while rotating the focus ring.

To set Focus Peaking options,

In Shooting mode, press [MENU] →  → Focus Peaking → an option.

Option	Description
Level	Set a sensitivity for detecting the focused subject. (Off, High, Normal*, Low)
Color	Set a color to appear on the focused subject. (White*, Red, Green)

* Default

Optical Image Stabilization (OIS)

Use the Optical Image Stabilization (OIS) function to minimize camera shake. OIS may not be available with some lenses.




Camera shake tends to occur in dark places or when shooting indoors. In such cases, the camera uses slower shutter speeds in order to increase the amount of light taken in, which can result in a blurry photo. You can prevent this situation by using the OIS function.

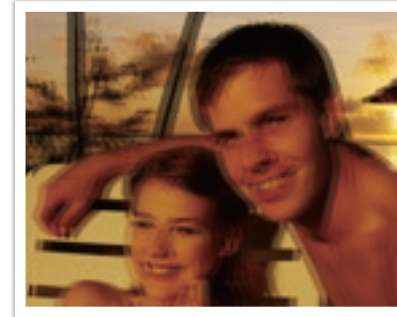
If your lens has an OIS switch, you have set the switch to **ON** to use the OIS function.

To set OIS options,

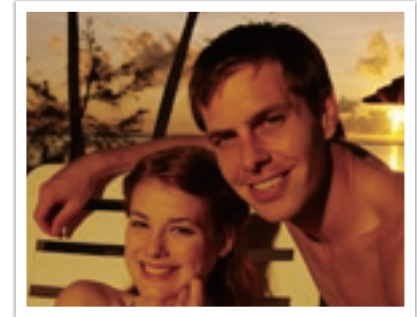
In Shooting mode, press [MENU] →  → **OIS (Anti-Shake)** → an option.

* Default

Icon	Description
	Off: The OIS function is off. (This option may not be available with some lenses.)
	Mode 1*: The OIS function is applied only when you press [Shutter] in full or half.
	Mode 2: The OIS function is on.




Without OIS correction



With OIS correction




- OIS may not function properly when:
 - you move your camera to follow a moving subject
 - there is too much camera shake
 - the shutter speed is slow (for example, when you select **Night** in  mode)
 - the battery is low
 - you capture a close-up shot
- If you use the OIS function with a tripod, your images may be blurred by the vibration of the OIS sensor. Deactivate the OIS function when you use a tripod.
- If the camera is hit or dropped, the display will be blurry. If this occurs, turn off the camera, and then turn it on again.
- Use the OIS function only when needed because the function consumes more battery power.
- To set an OIS option on the menu, set the OIS switch on your lens to **ON**.
- This option may not be available with some lenses.
- **Off** may not be available with some lenses.

Drive (shooting method)


You can set the shooting method such as Continuous, Burst, Timer and so on.

Select **Single** to capture one photo at a time. Select **Continuous** or **Burst** to shoot fast moving subjects. Select **AE Bracket**, **WB Bracket**, or **P Wiz Bracket** to adjust exposure, White Balance, or apply Picture Wizard effects. You can also select **Timer** to capture a photo of yourself.

To set the shooting method,

In Shooting mode, press [] → an option.



- You can also set the option by pressing [**MENU**] →  → **Drive** → an option in Shooting mode.
- Available options may differ depending on shooting conditions.

Single

Capture one photo whenever you press [**Shutter**]. Recommended for general conditions.

Continuous

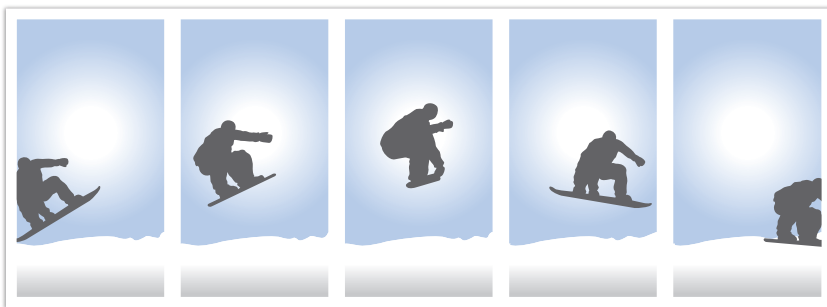
Continuously capture photos while you are pressing [**Shutter**]. You can capture up to 5 photos (**Continuous Normal**) or 8.6 photos (**Continuous High**) per second.



If you select **Continuous High**, the noise reduction function is not available.

Burst

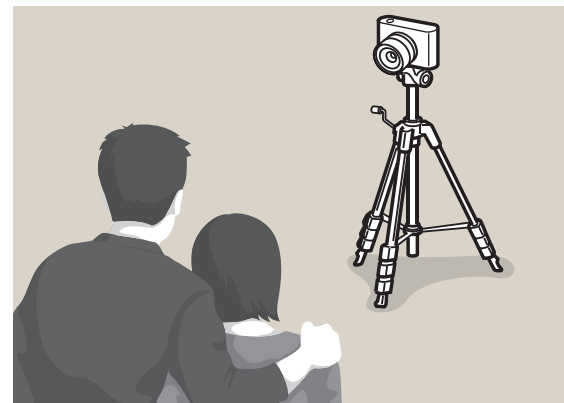
Consecutively capture up to 10 shots per second (3 seconds), 15 shots per second (2 seconds), or 30 shots per second (1 second) when you press **[Shutter]** once. It is recommended for shooting the rapid motion of fast moving subjects such as racing cars.



- To set the number of shots, in Shooting mode, press [MENU] → **Burst**, and then press **[DISP]**.
- The photo size is set to 5M.
- It may take longer to save a photo.
- You cannot use the flash with this option.
- Shutter speed must be faster than 1/30 second.
- Photos captured with this option may be slightly enlarged when saving.
- You cannot set an ISO option higher than ISO 3200.
- This option cannot be used with the RAW file format and is not available when the photo quality is set to RAW.

Timer

Capture a photo with a delay of 2 to 30 seconds. The delay is adjustable in increments of 1 second.



To set the delay, in Shooting mode, press [MENU] → **Timer**, and then press **[DISP]**.

Auto Exposure Bracketing (AE Bracket)

When you press [**Shutter**], the camera captures 3 consecutive photos: the original, one a step darker, and one a step lighter. Use a tripod to prevent blurry photos as the camera captures three photos continuously. You can adjust the settings in **Bracket Set** menu.



White Balance Bracketing (WB Bracket)

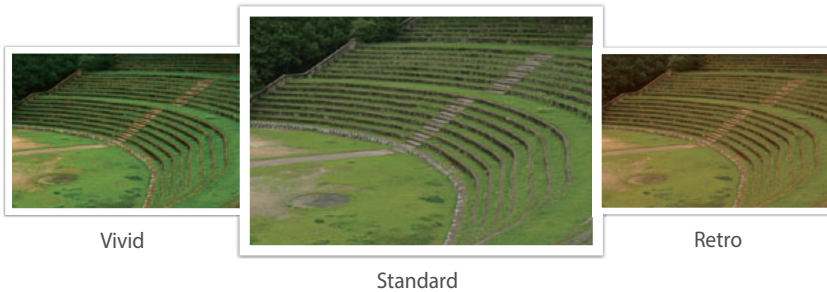
When you press [**Shutter**], the camera captures 3 consecutive photos: the original and two more with different White Balance settings. The original photo is captured when you press [**Shutter**]. The other two are automatically adjusted according to the White Balance you have set. You can adjust the settings in **Bracket Set** menu.



This option cannot be used with the RAW file format and is not available when the photo quality is set to RAW.

Picture Wizard Bracketing (P Wiz Bracket)

When you press **[Shutter]**, the camera captures three consecutive photos, each with a different Picture Wizard setting. The camera captures a photo and applies the three Picture Wizard options you have set to the image captured. You can select three different settings in **Bracket Set** menu.



This option cannot be used with the RAW file format and is not available when the photo quality is set to RAW.

Bracketing setting

You can set up the options for AE Bracket, WB Bracket, and P Wiz Bracket. (p. 146)

To set a bracketing option,







In Shooting mode, press **[MENU]** →  → **Bracket Set** → an option.


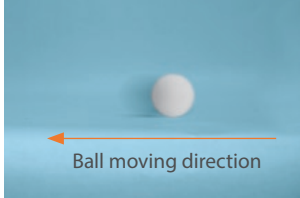

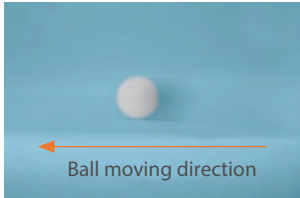
Flash

In order to capture a realistic photo of a subject, the amount of light should be constant. When the light source varies, you can use a flash and supply a constant amount of light. Select appropriate settings according to a light source and a subject.

To set flash options,

In Shooting mode, press [MENU] →  → **Flash** → an option.

Icon	Description
	Off: Do not use the flash.
	Smart Flash: The camera automatically adjusts the brightness of the flash according to the amount of light in the surrounding environment.
	Auto: The flash automatically fires in dark places.
	Auto Red-eye: The flash automatically fires and reduces red-eyes.
	Fill in: The flash fires whenever you capture a photo. (Brightness is automatically adjusted.)
	Fill-in Red: The flash fires whenever you capture a photo and reduces red-eyes.

Icon	Description
	<p>1st Curtain: The flash fires immediately after the shutter opens. The camera captures a photo of a subject earlier in an action sequence clearly.</p> 
	<p>2nd Curtain: The flash fires just before the shutter closes. The camera captures a photo of a subject later in an action sequence clearly.</p> 



- The available options may differ depending on shooting conditions.
- There is an interval between two bursts of the flash. Do not move until the flash fires a second time.
- If you select **Off**, the flash does not fire even when an external flash is attached.



Use only Samsung-approved flashes. Using incompatible flashes may damage your camera.

Reducing the red-eye effect

If the flash fires when you capture a photo of a person in the dark, a red glow may appear in the eyes. To reduce the red-eye effect, select **Auto Red-eye** or **Fill-in Red**.



Without red-eye reduction



With red-eye reduction



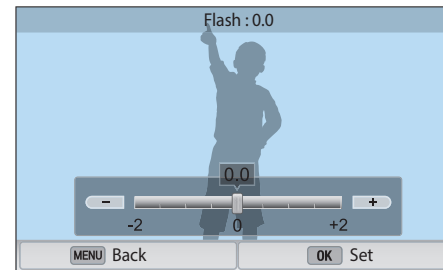
If the subject is too far from the camera or moves when the first flash fires, red-eyes may not be reduced.

Adjusting the flash intensity

When the flash is on, adjust the flash intensity +/-2 levels.

To set the flash intensity,

In Shooting mode, press [Fn] → **Flash** → an option → [DISP] → scroll the jog dial or press [Z]/[AF] to adjust the flash intensity.





- You can also drag the slider or touch +/- to adjust the intensity.
- Adjusting the flash intensity may not be effective when:
 - the subject is too close to the camera
 - you set a high ISO sensitivity
 - the exposure value is too big or too small
- In some shooting modes, you cannot use this function.
- If you attach an intensity-adjustable external flash to the camera, the intensity settings of the flash will be applied.
- If the subject is too close when you use the flash, some light may be blocked, resulting in a dark photo. Ensure that the subject is within the recommended range, which varies by lens.
- When a lens hood is attached, the light from the flash can be blocked by the hood. Remove the hood to use the flash.



Metering

The metering mode refers to the way in which a camera measures the quantity of light.

The camera measures the amount of light in a scene, and in many of its modes, uses the measurement to adjust various settings. For example, if a subject looks darker than its actual color, the camera captures an overexposed photo of it. If a subject looks lighter than its actual color, the camera captures an underexposed photo of it.

The brightness and overall mood of the photo can also be affected by how the camera measures the amount of light. Select an appropriate setting for a shooting condition.

To set a metering option,

In Shooting mode, press [MENU] →  → **Metering** → an option.

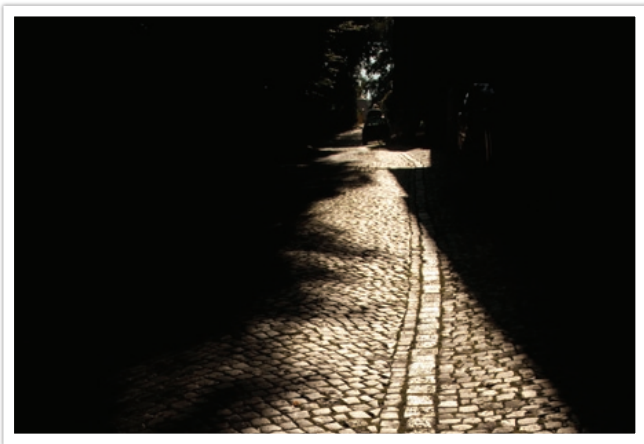
Multi

The Multi mode calculates the amount of light in multiple areas. When light is sufficient or insufficient, the camera adjusts the exposure by averaging the overall brightness of the scene. This mode is suitable for general photos.



Spot

The Spot mode calculates the amount of light in the center. When you capture a photo in conditions where there is a strong backlight behind a subject, the camera adjusts the exposure so as to shoot a subject correctly. For example, when you select the Multi mode in a strong backlight condition, the camera calculates that the overall amount of light is abundant, which results in a darker photo. The Spot mode can prevent this situation as it calculates the amount of light in a designated area.



The subject is in bright color while the background is dark. The Spot mode is recommended for a situation like this where a huge difference in the exposure exists between a subject and a background.

Center-weighted

The Center-weighted mode calculates a broader area than the Spot mode does. It sums up the amount of light in the center portion of the shot (60–80 %) and that of the rest of the shot (20–40 %). It is recommended for situations where there is a slight difference in brightness between a subject and a background or an area of the subject is large compared to the overall composition of the photo.



Measuring the exposure value of the focus area

When this function is turned on, the camera automatically sets an optimal exposure by calculating the brightness of the focus area.

This function is only available when you select **Spot** metering or **Multi** metering, and **Selection AF**.

To set this
function,


In Shooting mode, press [MENU] →  → **Link AE to AF Point** → an option.



Dynamic Range

This function automatically corrects the loss of bright detail that can occur due to shading differences in the photo.

To set **Smart Range** options,






In Shooting mode, press **[MENU]** →  → **Dynamic Range** → an option.



Without Dynamic Range effect



With Dynamic Range effect

Icon	Description
	Off: Do not use Dynamic Range.
	Smart Range+: Correct the loss of bright detail.  You cannot set ISO 100.
	HDR: Capture 2 photos with different exposures, and then combine them to create a single image automatically.  You cannot set an ISO option higher than ISO 3200.



Smart Filter

Smart Filter lets you apply special effects to your photos. You can select various filter options to create special effects that are difficult to be achieved with normal lenses.

To set Smart Filter options,

In Shooting mode, press [MENU] →  → **Smart Filter** → an option.

Option	Description
Off	No effect
Vignetting	Apply the retro-looking colors, high contrast, and strong vignette effect of Lomo cameras.
Miniature	Apply a tilt-shift effect to make the subject appear in miniature.
Colored Pencil	Apply a colored pencil painting effect.
Watercolor	Apply a watercolor painting effect.
Wash drawing	Apply a washed-out effect.
Oil Sketch	Apply an oil painting effect.
Ink Sketch	Apply an ink painting effect.
Acryl	Apply an acryl painting effect.

Option	Description
Negative	Apply a negative film effect.
Red	Desaturate all colors but red.
Green	Desaturate all colors but green.
Blue	Desaturate all colors but blue.
Yellow	Desaturate all colors but yellow.



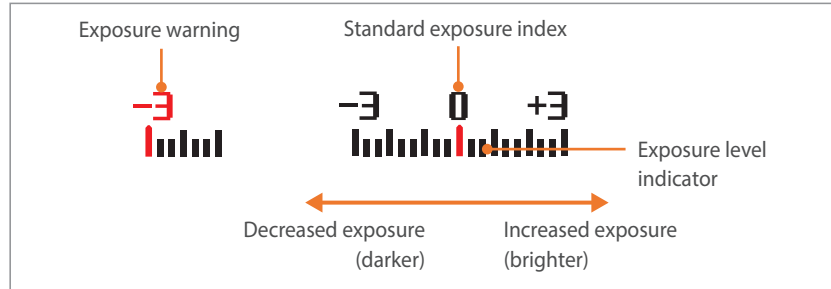
Smart filter options cannot be set with Picture Wizard options at the same time.

Exposure compensation

The camera automatically sets the exposure by measuring the levels of light from the photo's composition and the position of a subject. If the exposure set by the camera is higher or lower than you expected, you can adjust the exposure value manually. The exposure value is adjustable in ± 3 increments. The camera displays the exposure warning in red for each step beyond ± 3 range.

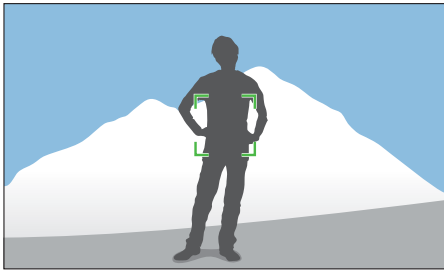
To adjust the exposure value, while holding down [**Fn**], scroll the jog dial. You can also adjust the exposure value by pressing [**Fn**], and then selecting **EV**.

You can check the exposure value by the position of the exposure level indicator.

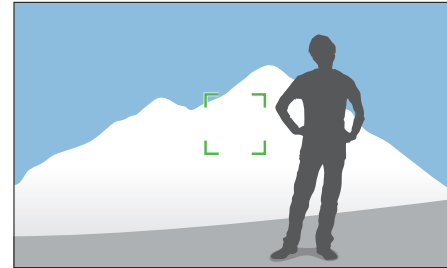


Exposure lock

When you cannot achieve an appropriate exposure because of a strong color contrast, lock the exposure, and then capture a photo.



To lock the exposure value, adjust the photo's exposure, and then press the custom button.



After locking the exposure, aim the lens where you desire, and then press **[Shutter]**.



- Set a function of the custom button to **AEL** to lock the current exposure value. (p. 149)
- This feature is not available in Manual mode.

Video functions









The functions available for video are explained below.

Movie size

Set the movie size.

To set movie size options,

In Shooting mode, press [MENU] →  → **Movie Size** → an option.



Icon	Size	Recommended for
	1920X1080 (60 fps) (16:9)	View on a Full HDTV. (Playable only on full HDTVs capable of playback at 60 fps.)
	1920X1080 (30 fps) (16:9)	View on a Full HDTV.
	1920X1080 (15 fps) (16:9)	View on a Full HDTV. (Available only with some Smart Filter options.)
	1920X810 (24 fps) (Approx. 2.35:1)	View on an HDTV.
	1280X720 (60 fps) (16:9)	View on an HDTV.
	1280X720 (30 fps) (16:9)	View on an HDTV.
	640X480 (30 fps) (4:3)	View on a TV.
	320X240 (30 fps) (4:3)	Post on a website using the wireless network (30 seconds maximum).

Movie quality

Set the Movie quality.

To set movie quality options,


In Shooting mode, press [MENU] →  → **Movie Quality** → an option.







Icon	Extension	Description
	MP4 (H.264)	Normal: Record videos in normal quality.
	MP4 (H.264)	HQ: Record videos in high quality.

Multi Motion

Set the playing speed of a video.

To set playing speed options,

In Shooting mode, press [MENU] →  → **Multi Motion** → an option.

Icon	Description
	x0.25: Record a video and play it at 1/4 normal speed. (Available only with 640x480 or 320x240)
	x0.5: Record a video and play it at 1/2 normal speed. (Available only with 1280x720 (30 fps), 640x480, or 320x240)
	x1: Record a video and play it at normal speed.
	x5: Record a video and play it at 5X normal speed.
	x10: Record a video and play it at 10X normal speed.
	x20: Record a video and play it at 20X normal speed.







- If you select an option other than **x1**, sound will not be recorded.
- The available options may differ depending on shooting conditions.

Fader

You can fade in or fade out a scene using the fader function on the camera without having to do it on a PC. Set the fade in option to gradually fade in at the start of the scene. Set the fade out option to gradually fade out the scene. Use the function appropriately and add dramatic effects on your videos.

To set fader options,

In Shooting mode, press [MENU] →  → **Fader** → an option.

Icon	Description
	Off: Fader function not used.
	In: Scene gradually fades in.
	Out: Scene gradually fades out.
	In-out: The fader function is applied at the start and end of the scene.



When you use the fader function, it may take longer to save a file.

Voice

Sometimes, a muted video is more appealing than the one with sound. Turn the voice off to record a muted video.

To set voice options,

In Shooting mode, press [MENU] →  → **Voice** → an option.

Wind cut

When you record videos in noisy environments, unintended sounds can be recorded in videos. In particular, severe wind noise recorded in videos distracts you from enjoying your videos. Use the Wind Cut function to remove some surrounding noise in addition to wind noise.

To reduce wind sound,

In Shooting mode, press [MENU] →  → **Wind Cut** → an option.





Chapter 3

Playback/Editing

Learn about how to play back and edit photos and videos.
Refer to chapter 6 for editing files on a PC.

Searching and managing files

Learn how to view photo and video thumbnails and how to protect or delete files.

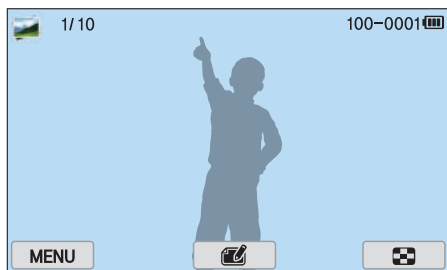


If you perform no operations for a while, information and icons on the screen disappear. When you operate the camera again, they will reappear.

Viewing photos

1 Press [▶].

- The most recent file you captured will be displayed.



2 Press [📁]/[AF] to scroll through files.

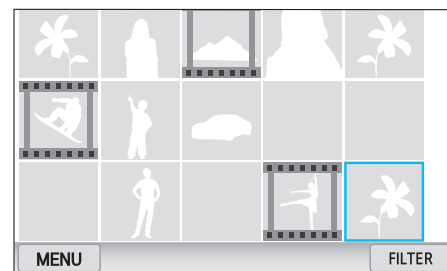
- You can also drag the image left or right to move to another file.



You may not be able to edit or play back files that were captured with other cameras, due to unsupported sizes or codecs. Use a computer or another device to edit or play back these files.

Viewing image thumbnails

In order to search for photos and videos you want, convert to the thumbnail view. The thumbnail view displays multiple images at a time so that you can easily look through items you wish to find. You can also classify and display files by category, such as date or file type.



Scroll the jog dial to the left to select the thumbnail view mode.
(Scroll the jog dial to the right to return to the previous mode.)

Viewing files by category

1 In the thumbnail view, press **[MENU]** →  → **Filter** → a category.

- You can also touch **FILTER** to select a category.

Option	Description	* Default
All*	View files normally.	
Date	View files by the date they were saved.	
Type	View files by the file type.	
Location	View files by the place they were saved. (Only the photos captured with an optional GPS module have the location information.)	

2 Select a list to open it.

3 Select a file to view it.

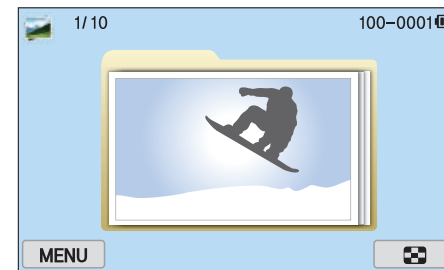
4 Touch  to return to the previous view.

Viewing files as a folder

Continuous and burst shots appear as a folder. Selecting a folder will play back all photos automatically. Deleting a folder will delete all photos in the folder.


1 In Playback mode, press /**AF** or drag the image left or right to move to a desired folder.

- The camera will automatically play back photos in the folder.



2 Scroll the jog dial to the right to open the folder.




- You can also touch the folder on the screen to open the folder.

3 Press /**AF** or drag the image left or right to move to another file.

4 Scroll the jog dial to the left to return to Playback mode.

Protecting files

Protect your files from accidental deletion.

- 1 In Playback mode, press [MENU] →  → **Protect** → **Select**.
- 2 Press /AF to select a file, and then press .
- 3 Press [Fn].



You cannot delete or rotate a protected file.

Lock/Unlock all files

Lock or unlock all files.

- 1 In Playback mode, press [MENU] →  → **Protect** → **All**.
- 2 Select an option.

Option	Description
Lock	Lock all files.
Unlock	Unlock all files.
Cancel	Return to the previous menu.

Deleting files

Delete files in Playback mode and secure more space on your memory card. Protected files are not deleted.

Deleting a single file

You can select a single file and delete it.

- 1 In Playback mode, select a file, and then press [⏏].
- 2 When the pop-up message appears, select **Yes**.


Deleting multiple files

You can select multiple files and delete them.

- 1 In Playback mode, press [MENU] → [▶] → **Delete** → **Select**.
 - Alternatively, in thumbnails view, press [⏏], and then select files to delete.
- 2 Select files you want to delete by pressing [⏏/AF], and then press [⏏].
 - Press [⏏] again to cancel your selection.
- 3 Press [⏏].
- 4 When the pop-up message appears, select **Yes**.

Deleting all files

You can delete all files on the memory card at once.

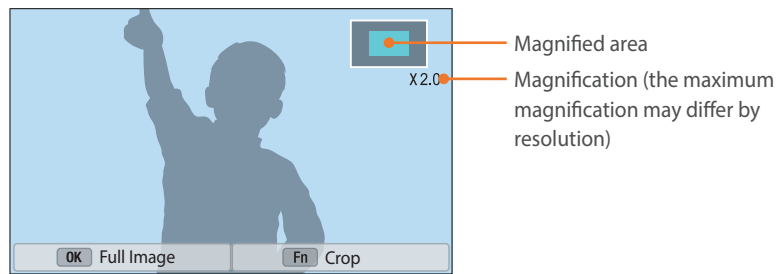
- 1 In Playback mode, press [**MENU**].
- 2 Select  → **Delete** → **All**.
- 3 When the pop-up message appears, select **Yes**.



Viewing photos

Enlarging a photo

You can enlarge photos when viewing them in Playback mode. You can also use the Trim function to extract the portion of the image displayed on the screen and save it as a new file.




Scroll the jog dial to the right to enlarge a photo.

(Scroll the jog dial to the left to reduce a photo.)

To	Do this
Move magnified area	Press [DISP/ISO/☺/AF] .
Crop the enlarged image	Press [Fn] . (saved as a new file)
Return to the original image	Press [OK] .



Viewing a slide show

You can view photos in a slide show, apply various effects to the slide show, and play background music.

- 1 In Playback mode, press **[MENU]**.
- 2 Select  → **Slide Show Options**.
- 3 Select a slide show effect option.
 - Skip to step 4 to start a slide show with no effects.

* Default

Option	Description
Play Mode	Set whether or not to repeat the slide show. (One Play* , Repeat)
Interval	Set the interval between photos. (1 sec* , 3 sec , 5 sec , 10 sec)
Music	Set background audio.
Effect	<ul style="list-style-type: none"> • Set a scene change effect between photos. • Select Off to cancel effects.

- 4 Press [**MENU**].
- 5 Select **Start Slide Show**.
- 6 View the slide show.
 - Press [] to pause.
 - Press [] again to resume.
 - Press [**MENU**] to stop the slide show and return to Playback mode.
 - Press [**DISP/ISO**] to adjust the volume level.

Auto rotating

With Auto Rotate on, the camera automatically rotates photos you have captured vertically so they fit the screen horizontally.

To set auto rotate options,




In Playback mode, press [**MENU**] → [] → **Auto Rotate** → an option.

Creating a print order (DPOF)

DPOF (Digital Print Order Format) lets you set the print size of a photo and the number of copies to be printed.

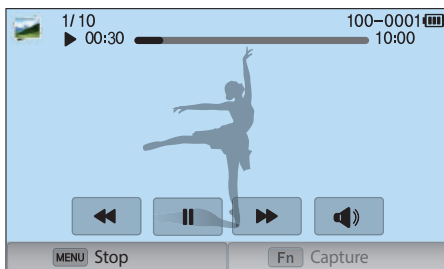
The camera saves the DPOF information in the MISC folder of your memory card. If you have set DPOF information for your images, you can take the memory card to a digital printing shop for printing. You cannot set the print order of RAW format files.

Photos with dimensions that are wider than the paper may be cut off on the left and right edges. Ensure that your photo dimensions are compatible with the paper you select.

- 1 In Playback mode, select a photo, and then press [**MENU**].
- 2 Select [] → **DPOF**.
- 3 Press [**DISP/ISO**] to set the number of copies.
 - To select another photo, press []/**AF**].
- 4 Press [] to save.

Playing videos

In Playback mode, you can play a video, capture an image from a video, or crop a video to save as another file.



Video viewing controls

Icon/Button	Description
⏮/⏪/[⏮]	View previous file/Scan backward. (Each time you touch the icon or press the button while playing the video, you change the scan speed in this order: 2X, 4X, 8X.)
⏸/⏹/[⏸]	Pause or resume playback.
⏭/⏩/[AF]	View next file/Scan forward. (Each time you touch the icon or press the button while playing the video, you change the scan speed in this order: 2X, 4X, 8X.)
🔊/[DISP/ISO]	Adjust the volume or mute the sound.

Trimming a video during playback

- 1 In Playback mode, scroll to a video, and then touch ✂.
- 2 Press [OK] or touch ▶ to start playing the video.
- 3 Press [OK] or touch ⏸ at the point where you want the trimming to begin.
- 4 Press [Fn] or touch **Start Point**.
- 5 Press [OK] or touch ▶ to resume playing the video.
- 6 Press [OK] or touch ⏸ at the point where you want the trimming to end.

7 Press [**Fn**] or touch **End Point**.

8 Press [**Fn**] or touch **Trim** to trim a video.

- You can adjust the scene to be cropped by dragging the handles that appear on the progress bar.

9 When the pop-up message appears, select **Yes**.



- You cannot trim a video recorded in 3D mode.
- The original video should be at least 10 seconds long.
- The camera will save the edited video as a new file and leave the original video intact.

Capturing an image during playback

1 While viewing a video, press [**OK**] or touch **II** at the point where you want to capture an image.

2 Press [**Fn**] or touch **Capture**.




- You cannot capture an image from a video recorded in 3D mode.
- The resolution of the captured image will be the same as the original video.
- The captured image is saved as a new file.

Editing photos

Perform photo editing tasks, such as resizing, rotating, or reducing red-eye effects. Edited photos are saved as new files under different file names. Photos captured in some modes cannot be edited with the Image Edit function.




To edit images,

In Playback mode, scroll to a photo, and then touch  → an option.



- You can also edit images in Playback mode by selecting a photo, and then pressing **[Fn]** or **[MENU]** → **Edit Image**.
- Some images may not be edited with the Image Edit function. In this case, use a supplied image editing software.
- The camera will save edited photos as new files.
- When you edit photos, the camera will automatically convert them to a lower resolution. Photos that you rotate or resize manually are not automatically converted to a lower resolution.
- You cannot edit photos while viewing files as a folder. Open the folder and select a photo to edit each photo.

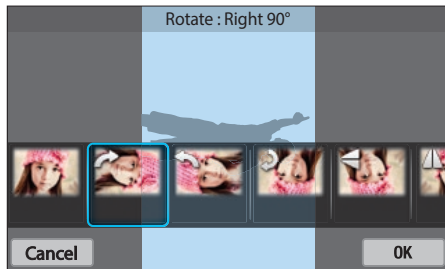
Cropping a photo

- 1 Touch  → .
- 2 Drag the corners of the box to adjust the size of the area.
- 3 Drag the box to move the location of the area.
- 4 Touch **OK**.
- 5 Touch  to save.

Rotating a photo

1 Touch  → .


2 Touch an option.



3 Touch **OK**.

4 Touch  to save.



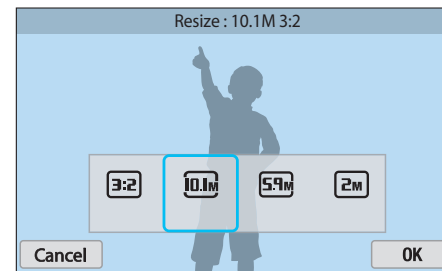
- You can also rotate a photo in Playback mode by pressing [MENU], and then selecting  → **Rotate** → a desired option.
- The camera will overwrite the original file.

Resizing photos

Change the size of a photo and save it as a new file.

1 Touch  → .

2 Touch an option.



3 Touch **OK**.

4 Touch  to save.












Available resize options differ depending on the original size of the photo.


Adjusting your photos

You can correct captured photos by adjusting the brightness, contrast, or saturation.

1 Touch .

2 Touch an adjusting option.

Icon	Description
	Original (Reset to the original image)
	Auto adjustment
	Brightness
	Contrast
	Saturation
	RGB
	Color Temperature
	Exposure
	Hue






3 Press [/AF] to adjust the option.

- You can also drag the slider or touch +/- to adjust the option.





4 Touch **OK**.

5 Touch  to save.

Retouching faces

- 1 Touch  → .
- 2 Press [/AF] to adjust the option.
 - You can also drag the slider or touch +/- to adjust the option.
 - As the number increases, the skin tone becomes brighter and smoother.
- 3 Touch **OK**.
 - To cancel correction, touch .
- 4 Touch  to save.

Reducing red-eye

- 1 Touch  → .
- 2 Touch **OK**.
 - To cancel correction, touch .
- 3 Touch  to save.

Applying Smart Filter effects

Apply special effects to your photos.

1 Touch , and then touch an option.



Option	Description
Original	No effect
Vignetting	Apply the retro-looking colors, high contrast, and strong vignette effect of Lomo cameras.
Miniature	Apply a tilt-shift effect to make the subject appear in miniature.
Colored Pencil	Apply a colored pencil painting effect.
Watercolor	Apply a watercolor painting effect.
Wash drawing	Apply a washed-out effect.

Option	Description
Oil Sketch	Apply an oil painting effect.
Ink Sketch	Apply an ink painting effect.
Acryl	Apply an acryl painting effect.
Negative	Apply a negative film effect.
Red	Desaturate all colors but red.
Green	Desaturate all colors but green.
Blue	Desaturate all colors but blue.
Yellow	Desaturate all colors but yellow.

2 Touch **OK**.

3 Touch  to save.



Chapter 4

Wireless network

Learn how to connect to wireless local area networks (WLANs) and use functions.