

Quick Guide for 4K PHOTO

Using the 4K Photo function to capture the best shot of the subject

You can select the desired moment from a burst of pictures taken at 60 frames/second and save that moment as a picture of 8 million pixels (approx.).

① Recording 4K photos

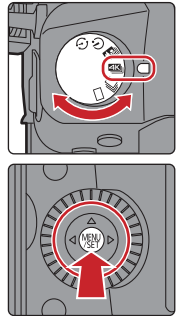
- 1 Set the drive mode dial to [4K] (4K Photo).
- 2 Press [MENU/SET] to display the [Rec] menu.
- 3 Select [4K PHOTO] in the [Rec] menu, and press [MENU/SET].
- 4 Select [Picture Size / Burst Speed] and press [MENU/SET].
- 5 Press the cursor buttons ▲/▼ to select the burst speed, and press [MENU/SET].

[4K H 8M] (60fps)

[4K 8M] (30fps)

- 6 Select [Rec Method] and press [MENU/SET].
- 7 Press the cursor buttons ▲/▼ to select the recording method, and press [MENU/SET].

• Press the shutter button halfway to display the recording screen.



[4K Burst]

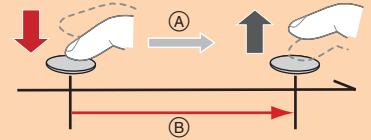


For capturing the best shot of a fast-moving subject
(e.g., sports, aeroplanes, trains)

Burst recording is performed while the shutter button is pressed and held. The shutter sound will be heard repeatedly.

- 1 Press the shutter button halfway.
- 2 Press and hold the shutter button fully for as long as you want to perform recording.

• Press the button fully slightly in advance. Recording starts approximately 0.5 seconds after it has been pressed fully.



- (A) Press and hold
(B) Recording is performed



[4K Burst(S/S)]

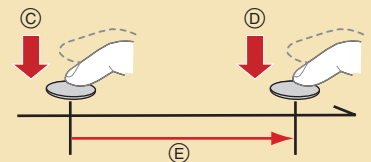


For capturing unpredictable photo opportunities
(e.g., plants, animals, children)

Burst recording starts when the shutter button is pressed and stops when pressed again. Start and stop tones will be heard.

- 1 Press the shutter button fully.
- 2 Press the shutter button fully again.

• You can add markers if you press [Fn2] during recording. You can skip to the positions where you added markers on the playback screen.



- (C) Start (First)
(D) Stop (Second)
(E) Recording is performed



[4K Pre-Burst]

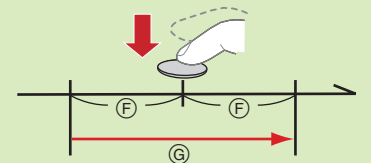


For recording as needed whenever a photo opportunity arises
(e.g., the moment when a ball is thrown)

Burst recording is performed for approximately 1 second before and after the moment that the shutter button is pressed. The shutter sound will be heard only once.

- 1 Press the shutter button fully.

• In situations where you want to lock focus and exposure, such as when the subject is not at the centre, use [AF/AE LOCK].



- (F) Approximately 1 second
(G) Recording is performed

- Use a UHS Speed Class 3 card to record 4K photos.
- If you are using Auto Focus, [Continuous AF] will work during recording. Focus will be adjusted continuously.
- You can perform recording while minimising the motion blur of subjects by setting the shutter speed.
Approximate shutter speed for outdoor recording in fine weather conditions: 1/1000 seconds or faster.
- 4K burst file will be saved with [Rec Format] set to [MP4].
- 4K burst file will be recorded and played back in separate files in the following cases. (You can continue recording without interruption.)
When using an SDHC memory card: If the file size exceeds 4 GB
When using an SDXC memory card: If the continuous recording time exceeds 3 hours and 4 minutes or if the file size exceeds 96 GB
- When [4K Pre-Burst] or [Pre-Burst Recording] is set, the battery drains faster and the camera temperature rises. Use these functions only when recording with them.

Setting Pre-Burst Recording ([4K Burst]/[4K Burst(S/S)] only)

MENU → **[Rec]** → **[4K PHOTO]** → **[Pre-Burst Recording]** → **[ON]**

The camera starts recording approximately 1 second before the shutter button is pressed fully, so you will not miss a photo opportunity.

Setting Loop Recording ([4K Burst(S/S)] only)

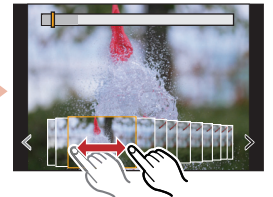
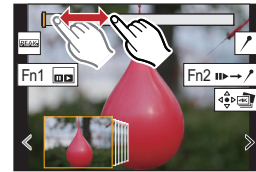
MENU → **[Rec]** → **[4K PHOTO]** → **[Loop Recording(4K PHOTO)]** → **[ON]**

The camera performs recording while deleting the data of the preceding part so that you can continue recording while waiting for a photo opportunity, without replacing the card.

- Once you start recording, the 4K burst file will be recorded and divided approximately every 2 minutes. Approximately the last 10 minutes (up to approximately 12 minutes) will be saved. The preceding part will be deleted.

2 Selecting pictures from 4K burst file and saving

- 1 Press **[▶]**.
- 2 Press the cursor buttons **◀/▶** to select an image indicated with the **[▲]** icon.
- 3 Press the cursor button **▲**.
 - If the image was recorded with [4K Pre-Burst], proceed to step 5.
- 4 Drag the slide bar to make a rough selection of scenes.
- 5 Drag the frames to select the frame you want to save as a picture.
- 6 Touch **[▶]** to save the picture.
 - A confirmation screen will be displayed.
 - The picture will be saved in JPEG format.



Correcting 4K Photos After Recording (Post-Recording Refinement)

Correcting distortion in pictures ([Reduce Rolling Shutter])

- 1 On the save confirmation screen in step 6, touch [Reduce Rolling Shutter].
- 2 Check the correction result, and touch [Save].

Reducing the noise produced by high sensitivity ([4K PHOTO Noise Reduction])

MENU → **[▶]** **[Playback]** → **[4K PHOTO Noise Reduction]** → **[AUTO]**

When saving pictures, reduce the noise produced during recording by high ISO sensitivity.

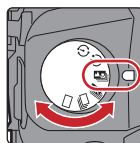
Controlling Focus After Recording (Post Focus/Focus Stacking)

The camera can perform Burst recording in the same picture quality as 4K photo recording while automatically shifting the focus to different areas. After the recording, you can select the desired area on the screen and save a picture in which the selected area is in focus.

1 Recording with the Post Focus function

• We recommend that you use a tripod when recording images to be used for Focus Stacking.

- 1 Set the drive mode dial to **[Post Focus]**.
- 2 Decide on the composition, and press the shutter button halfway.
- 3 Press the shutter button fully to start recording.



2 Selecting the desired focus area and saving a picture

- 1 Press **[▶]**.
- 2 Press the cursor buttons **◀/▶** to select an image indicated with the **[▲]** icon, and press the cursor button **▲**.
- 3 Touch the desired focus area.
 - If a picture that is in focus is not available for the selected area, a red frame will be displayed. You cannot save a picture in this case.
- 4 Touch **[▶]** to save the picture.
 - The picture will be saved in JPEG format.



3 Using Focus Stacking and saving a picture

You can also merge multiple pictures with different focus areas to widen the focus range. (Focus Stacking)

- 1 Touch **[Fn1]** in step 3 of "Selecting the desired focus area and saving a picture".
- 2 Touch the merging method.

[Auto Merging]

Automatically selects pictures that are suited to be merged, and merges them into a single picture.

[Range Merging]

Merges pictures with specified focus areas into a single picture.

- 3 (When [Range Merging] is selected) Touch the desired focus area.

- Specify at least two areas.
- In-focus areas between the two areas will also be selected, and the combined in-focus area will be indicated.
- Grey areas indicate areas that may, if selected, cause the merged picture to look unnatural and areas that cannot be selected.
- To cancel the selection, touch the focus area again.

- 4 Touch **[▶]** to merge the pictures and save the resulting picture.

- The picture will be saved in JPEG format.

