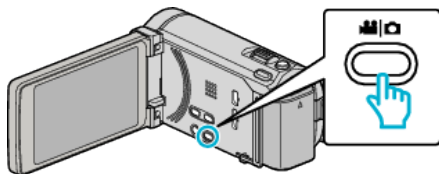


Registering Human Face Personal Authentication Information

By registering the face of a person beforehand, focus and brightness can be adjusted automatically by the face tracking function. Up to 6 faces, together with names and priority levels, can be registered.

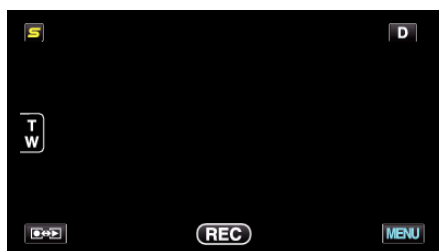
It is recommended to register the faces that are often being recorded by this camera beforehand.

- 1 Select video or still image mode.

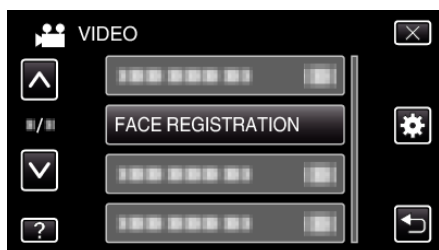


- The video or still image mode icon appears.

- 2 Tap "MENU".

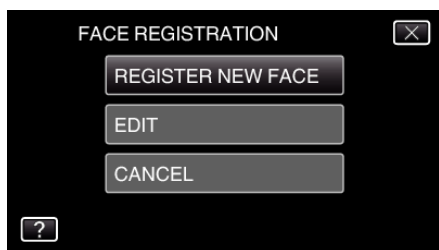


- 3 Tap "FACE REGISTRATION".

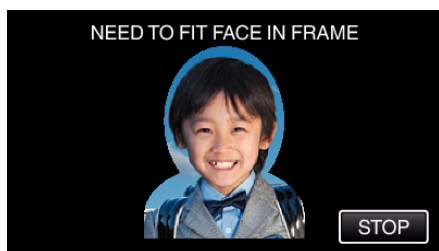


- Tap $\wedge$ or $\vee$ to move upward or downward for more selection.
- Tap $\times$ to exit the menu.
- Tap $\hookrightarrow$ to return to the previous screen.

- 4 Tap "REGISTER NEW FACE".



- 5 Point the camera toward the human subject.



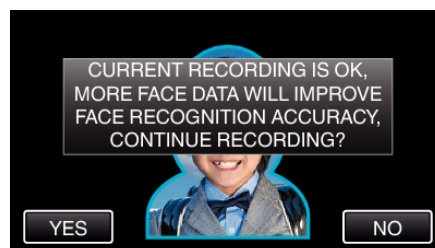
- Information is collected before face registration recording. The frame appears blinking while information is being collected.
- Adjust to fit the face within the frame while it is blinking. The frame stops blinking and lights up after information collection is complete.
- To cancel the registration, tap "STOP". When "CANCEL FACE RECOGNITION?" appears, tap "YES" to return to the normal recording mode.

- 6 Tap "RECORD" and record the face from the front.



- A face is captured to be used on the face registration index screen.
- Other than tapping "RECORD", you can also record by pressing the SNAPSHOT button fully.
- A sound can be heard when recording is complete.
- To cancel the registration, tap "STOP". When "CANCEL FACE RECOGNITION?" appears, tap "YES" to return to the normal recording mode.

- 7 Tap "YES" to continue recording.



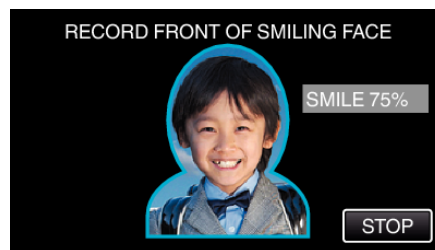
- To proceed to collect face information in the four directions of up, down, left, and right, tap "YES". It is recommended to continue recording to increase the accuracy of face recognition.
- To end face registration recording, tap "NO". Go to step 10.

- 8 Rotate the face slowly in four directions to register the face information.



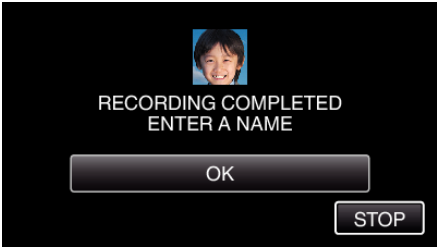
- Rotate the face slowly while looking at the camera. A sound can be heard when recording is complete for each direction. (4 times in total) Repeat the step until recording (registration) is complete for all directions.
- Registration of the four directions may fail depending on the shooting environment. In this case, tap "STOP" to cancel recording, then tap "NO" and go to step 10.
- If the face cannot be properly recognized during recording, register the face again.

- 9 Face the camera with a smiling face.



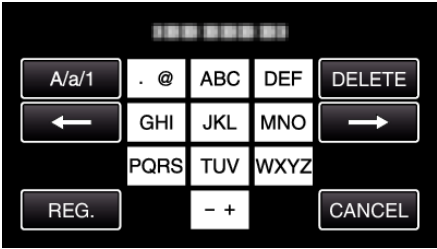
- Recording starts automatically. Using the smile % display as a reference, smile such that the value is as high as possible.
- A sound can be heard when recording is complete.
- To cancel recording of smiling face and proceed to enter a name, tap "STOP", then tap "NO" and go to step 10.

10 Tap “OK”.



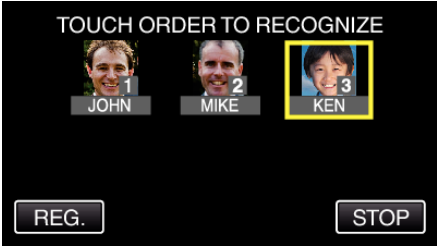
- Tapping “OK” registers the recorded face and the screen for entering a name appears.
- To cancel the registration, tap “STOP”. When “CANCEL FACE RECOGNITION?” appears, tap “YES” to return to the normal recording mode.

11 Tap on the on-screen keyboard to enter a name, then tap “REG.”.

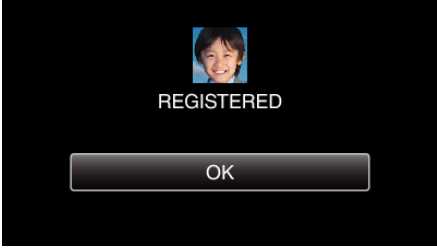


- Tap “DELETE” to delete a character.
- Tap “CANCEL” to exit.
- Tap “A/a/1” to select character input type from upper case letter, lower case letter, and number.
- Tap ← or → to move one space to the left or right.
- Up to 8 characters can be entered.
- How to input characters
Example: To enter “KEN”
Tap “JKL” 2 times → Tap “DEF” 2 times → Tap “MNO” 2 times

12 Tap the desired priority level, then tap “REG.”.



- Upon registration, the last number is assigned as the priority level. During face detection, the subject with the highest priority (lowest number) will be detected.
- You can change the priority level of a subject by tapping on the number.
Example: To change the priority level of number 3 to number 1, tap number 1. The priority level of the registered subject becomes number 1, while the priority levels of the original number 1 and the ones below drop by one place. (In this example, the original number 1 becomes number 2, and the original number 2 becomes number 3.)
- When “REG.” is tapped, the registration complete screen appears.



- Tap “OK” to complete the registration.
- You can edit registered face information in “EDIT”.

Memo : _____

- Faces may not be registered correctly in the following cases:
 - when the face appears either too small or too large compared to the frame
 - when it is too dark or too bright
 - when the face appears horizontal or slanted
 - when a part of the face is hidden
 - when there are multiple faces within the frame
- To increase the accuracy of face recognition, fit only one face within the frame and register in a bright environment.
- Faces may not be recognized correctly depending on the shooting conditions and environment. In this case, register the face again.
- Faces may not be recognized correctly during recording if the face recognition level is low. In this case, register the face again.
- Face tracking, face sub-window, and name display may not work properly depending on the registered faces, shooting conditions (distance, angle, brightness, etc.), and expressions.
- Face tracking, face sub-window, and name display may not work properly for people with similar facial features, such as siblings, parents, children, etc.