

KOWA SL-19 plus

KOWA SL-19 dedicated app



Instruction manual



Basic operation

The KOWA SL-19 dedicated app is a software application for capturing, displaying, and recording images using the camera version of the KOWA SL-19 hand-held slit lamp (SL-19plus). Please purchase the SL-19plus prior to using this application.

For information on how to use the SL-19plus and associated precautions, refer to the SL-19plus instruction manual.

This document describes how to use this application. Please note that the instructions for operating the installed iPad mobile digital device are written under the assumption you are familiar with them.

After installing this application, please refer to the "KOWA SL-19plus Instruction Manual" included with the SL-19plus for the initial connection settings with the SL-19plus.

This application is not a Software as a Medical Device. Displayed/Recorded images (including enlarged images) are for reference use only. Diagnosis should be made by direct visual inspection through the slit lamp.

Operation of this application does not normally cause harm to the SL-19plus, but if you feel any abnormality during use, please contact us or your Kowa distributor immediately.

Operating environment of this application

This application is for iPad series running iPadOS operating system software version 15.4 or later.

Disclaimer

Kowa Company shall not be liable for accidents caused by the iPad on which this application is installed.

We are not responsible for any damage such as data corruption or loss in the iPad due to the use of this application.

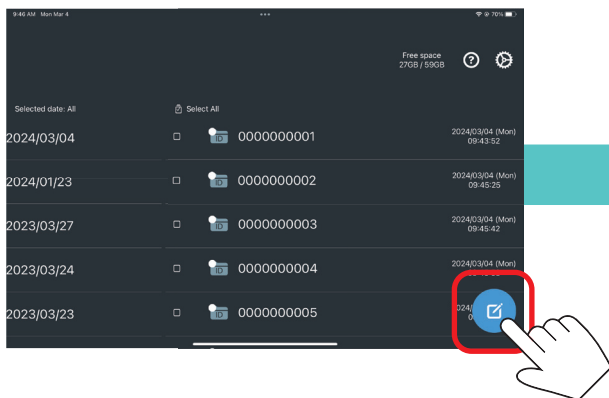
When using the data sharing function, please make sure that the image is sent to the correct destination. We are not responsible for any damage caused by sending images.

This document is based on information as of the copyright date.

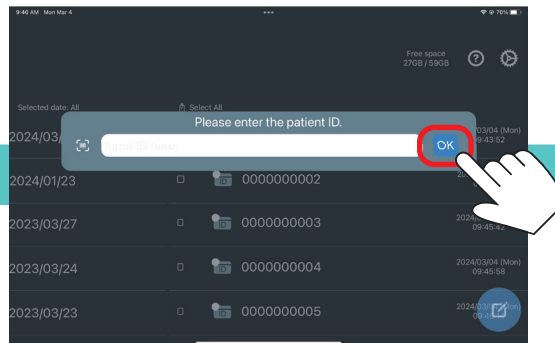
Recommended operating environments, functions, etc. are subject to change without notice. Please note that the contents of this document may differ.

This application performs one-to-one wireless LAN communication with the SL-19plus. Recorded images may be transferred to other personal computers, etc., but when connecting to a network using this function, please be sure to establish cybersecurity on the network.

① From start-up to recording images.

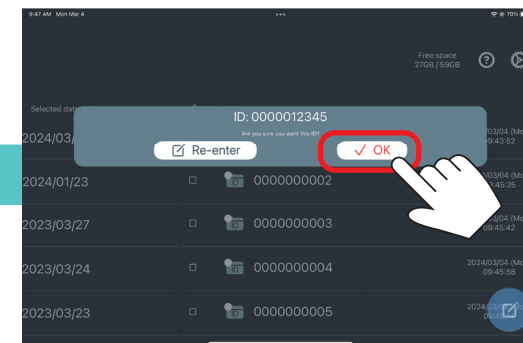


Tap the "Enter ID" button.

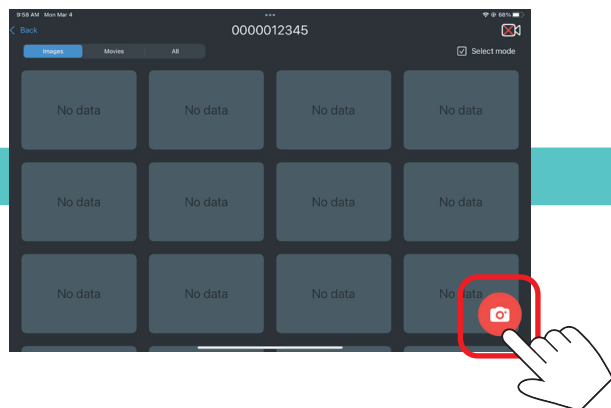


Enter the ID and tap the "OK" button.

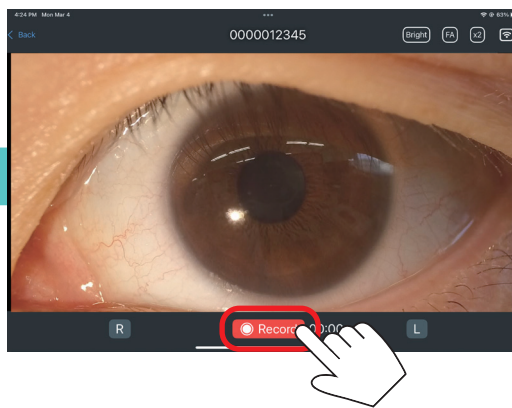
* Character types that can be used in IDs
Alphanumeric uppercase and lowercase letters and - (hyphen)
However, they are not case sensitive.
Lowercase letters are treated as uppercase letters.



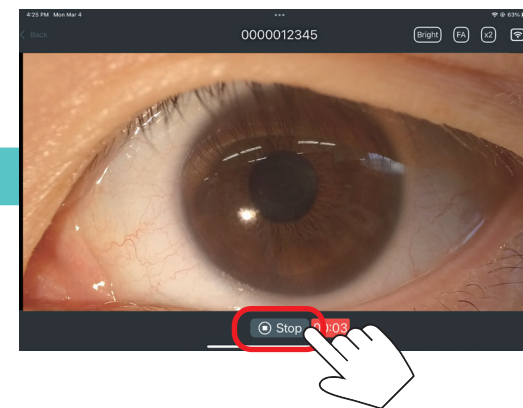
Confirm the entered ID, then tap the "✓ OK" button.



Tap the "Record Movie" button.

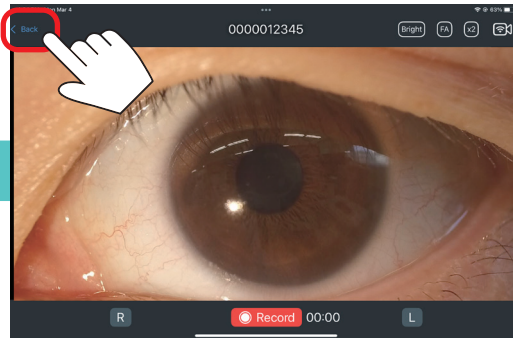


The image being taken is displayed.
Tap "Record" to start recording.

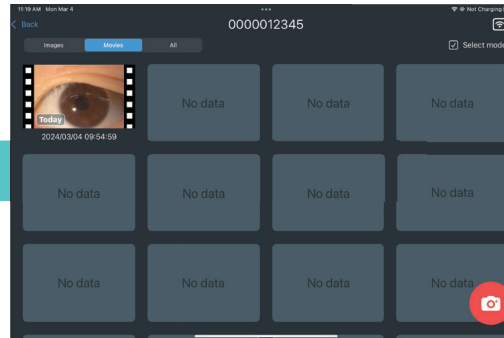


To end the recording, tap "Stop."

* When the maximum recording time (10 minutes) or the maximum file size (2GB) is reached, recording will be terminated automatically.

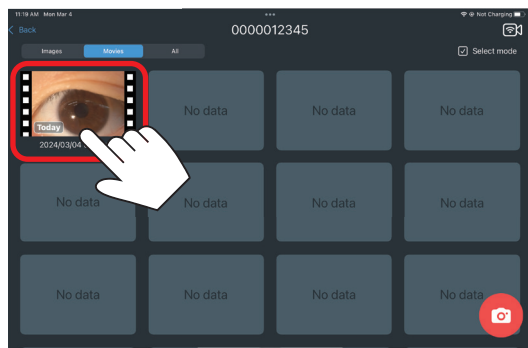


Tap "Back."

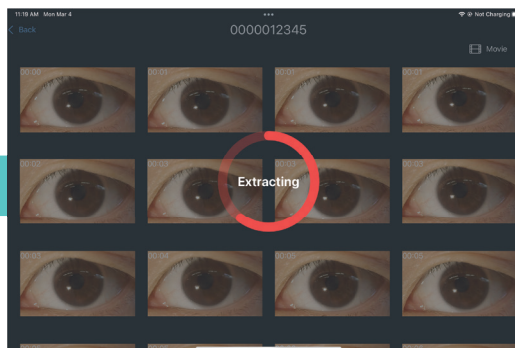


The file is saved in the video list.

2 Movie's Reviewing to Saving

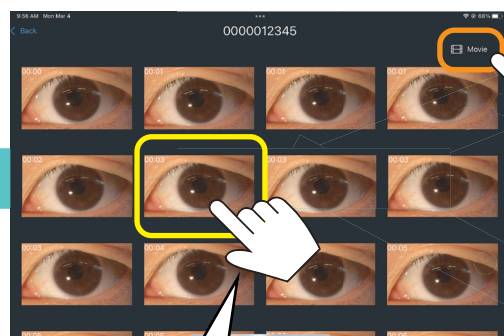


Tap the thumbnail of the video for the review.

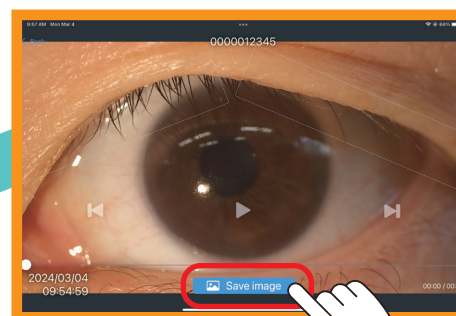


Still image extraction is performed.
When "Extracting" is displayed, tap the screen to stop extraction.

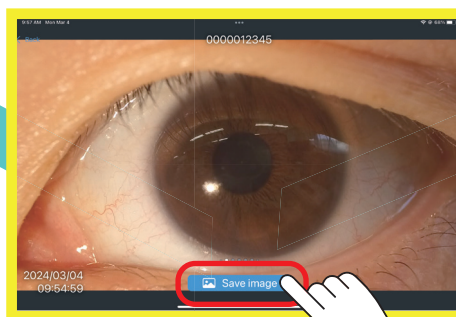
Tap the "Movie" button to display the video display screen.



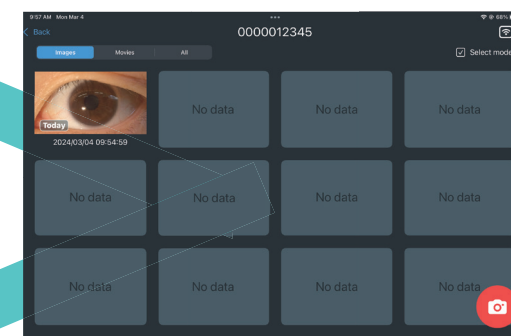
Tap the extracted still image thumbnail to display the still image.



Video display screen



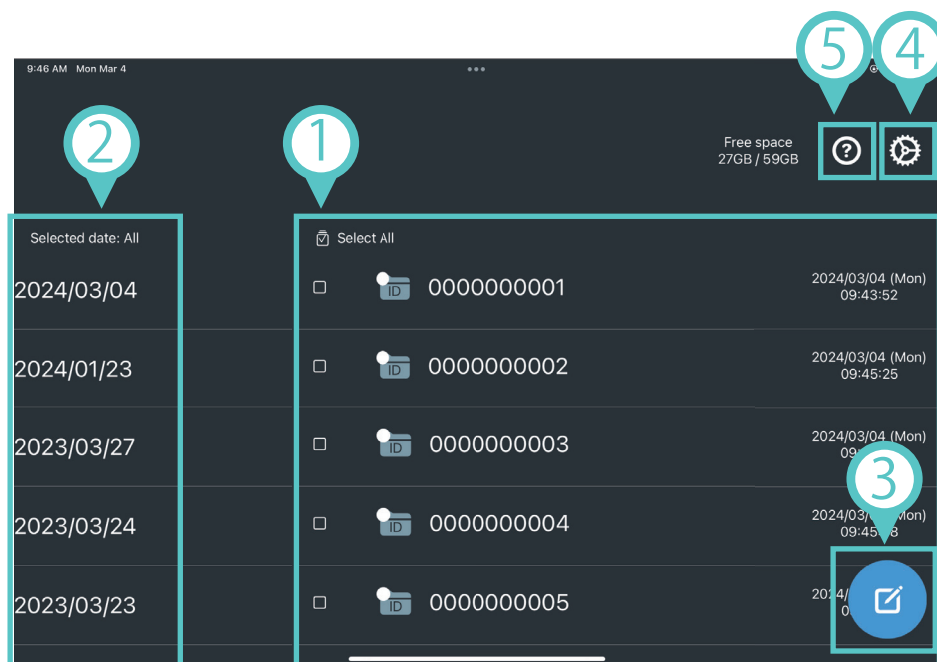
Still Images



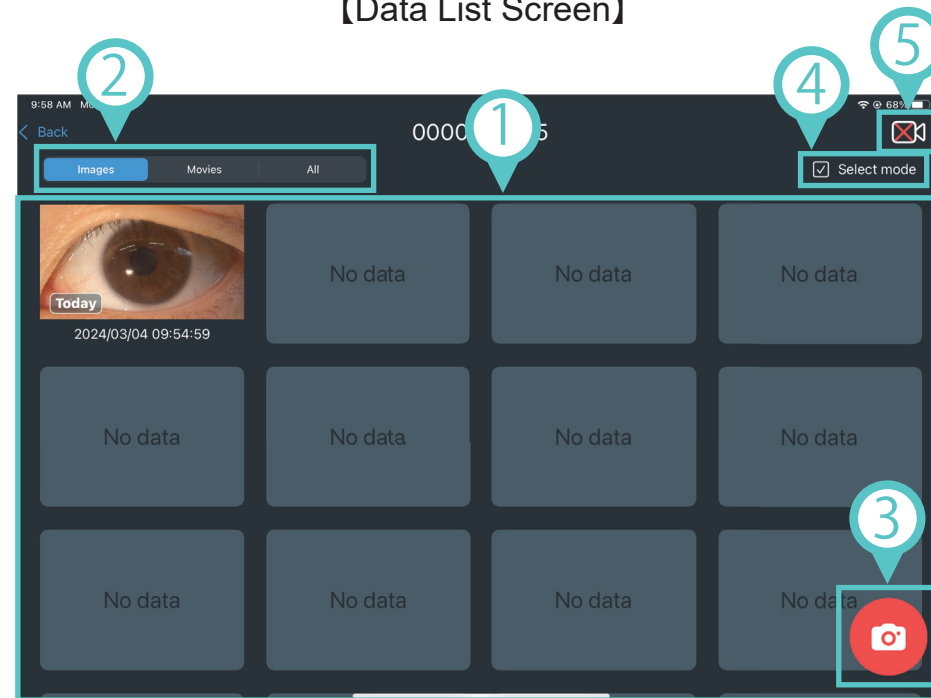
Tap "Save Image" to save the still image.

3 Screen description

【Home Screen】



【Data List Screen】

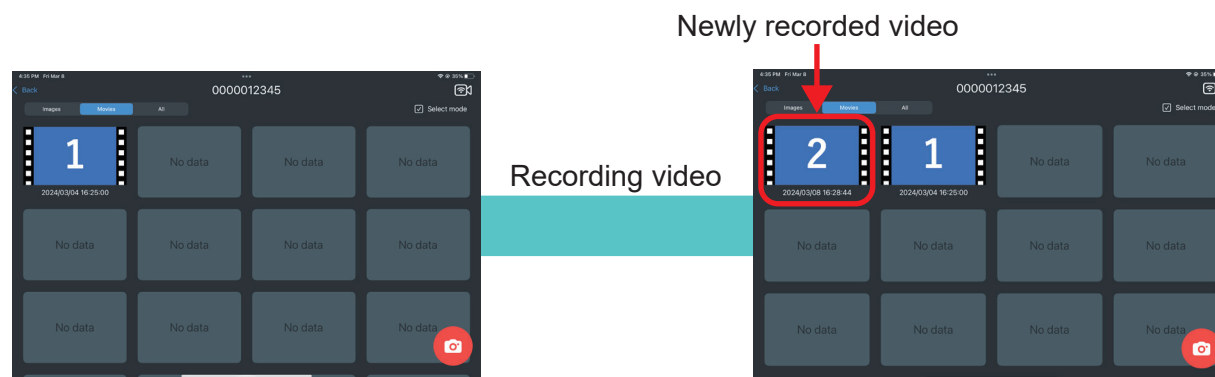


- ① List of ID folders. Move to the selected ID's data list screen.
- ② ID folders are displayed by date.
- ③ Enter the ID. Move to the data list screen of the entered ID.
- ④ Open Settings menu of the app.
- ⑤ Open Documentations for this application.

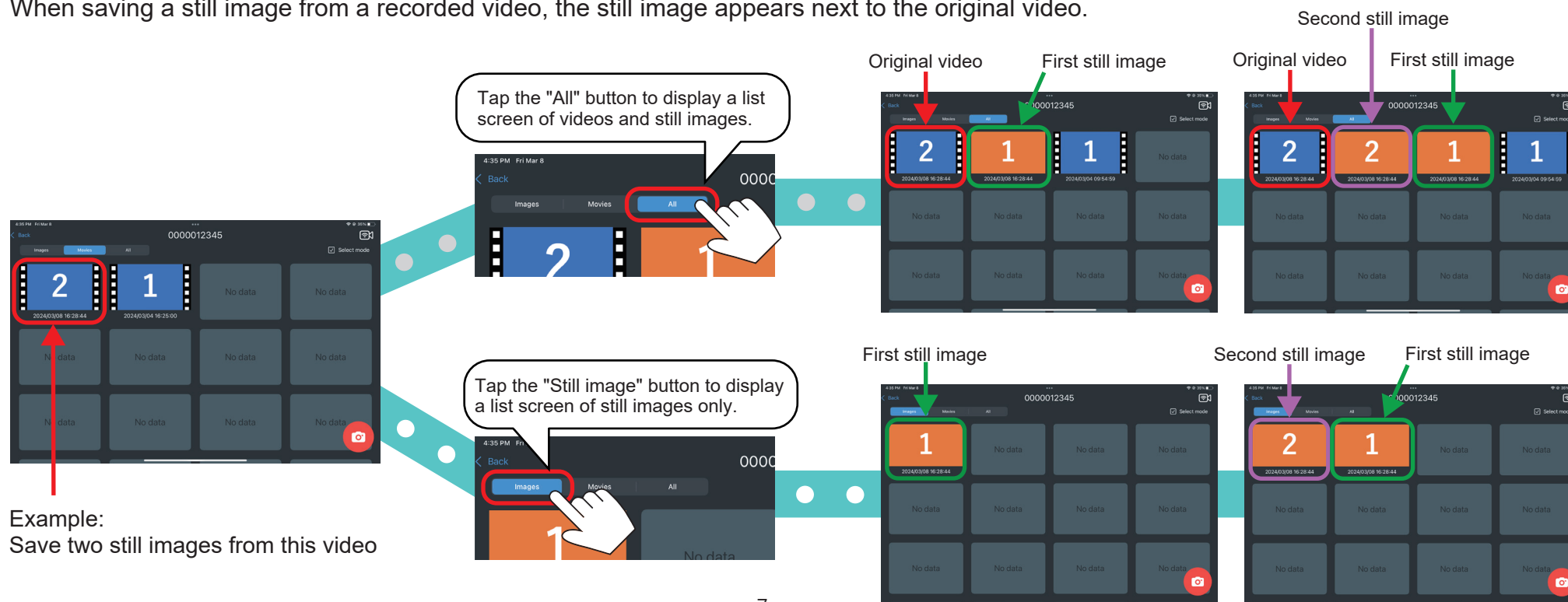
- ① The recording data of the selected ID is displayed.
- ② Switch the type of data to be displayed (Images, Movies, All).
- ③ Move to the Live View screen.
- ④ The data can be selected.
The selected data can be deleted or exported.
- ⑤ Indicates the camera connection status.
If "×" is displayed, reconnect by tapping.

【Image display order on the data list screen】

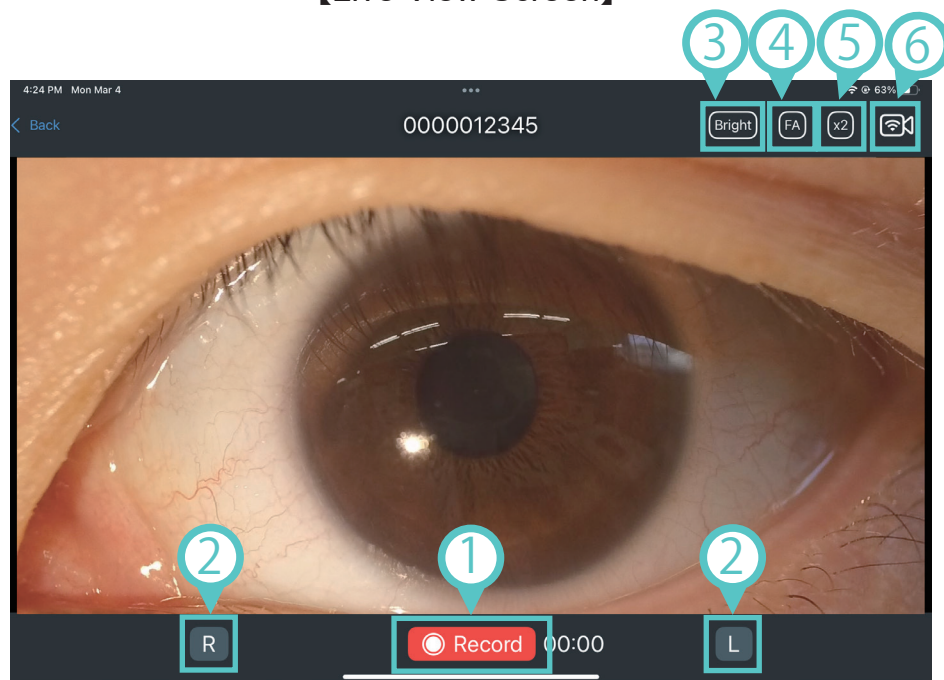
When recording a new video, a new thumbnail image with the newest date and time is displayed in the upper left corner.



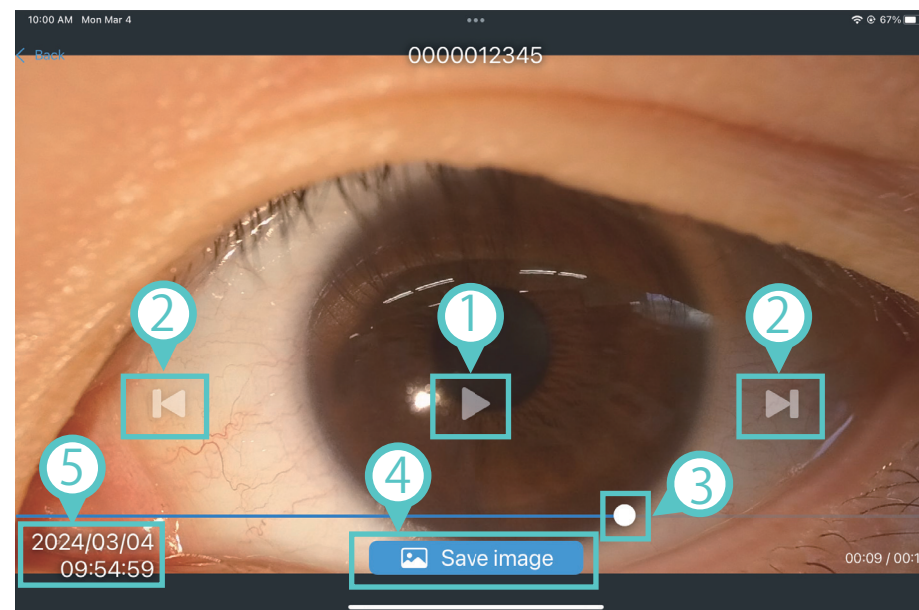
When saving a still image from a recorded video, the still image appears next to the original video.



【Live View Screen】



【Video Playback Screen】



- ① Start recording.
- ② Choose which eye to be recorded by selecting left or right.
- ③ If the image is too dark, increase the sensitivity to brighten the image.
- ④ When using fluorescein, change the color to emphasize the green dye.
- ⑤ Enlarge the live image.
- ⑥ Indicates the camera connection status.
If "×" is displayed, you can reconnect by tapping.

- ① Stop playing the video.
- ② To advance or rewind the video frame by frame.
- ③ Slide to adjust the playback position of the video.
- ④ Save the displayed frame as a still image.
- ⑤ Display the inspection date and time (recording start date and time).



Technology for Life Science

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