

KOWA SL-19 plus

KOWA SL-19 App



Instruction Manual



Basic Operation

The KOWA SL-19 App is an application software used for the capture, display and recording of images using the camera version of the KOWA SL-19 hand-held slit lamp (SL-19 plus). Please purchase the SL-19 plus prior to using this application.

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

This document describes how to use this application. Please note that these instructions are written under the assumption that you are familiar with the iPad mobile device on which the application is installed.

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

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

Operation of this application does not normally cause damage to the SL-19 plus, however if you experience any abnormality during use, kindly contact us or your Kowa distributor immediately.

Operating environment of this application

This application is for the 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 Mobile Device on which this application is installed.

Kowa Company can not be held responsible for any damage such as data corruption or loss of data on the iPad Mobile Device due to the use of this application.

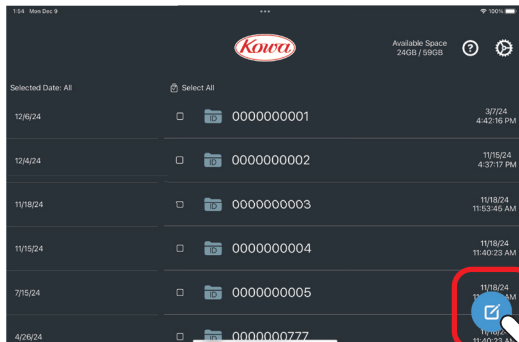
When using the data sharing function, please ensure that the data being shared is sent to the correct destination. Kowa Company can not be held responsible for any damage caused when sharing data.

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

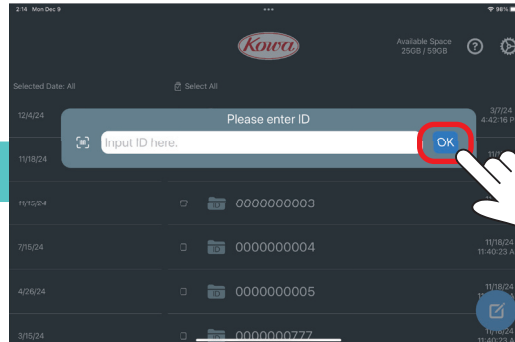
Recommended operating environments, functions, etc. are subject to change without notice. Please note that the contents of this document may differ.

The application operates using a one-to-one wireless LAN connection with the SL-19 plus. Recorded images may be transferred to other personal computers, devices etc... When connecting to a network using the sharing function, kindly ensure that cybersecurity is present.

1 Start up and Recording files

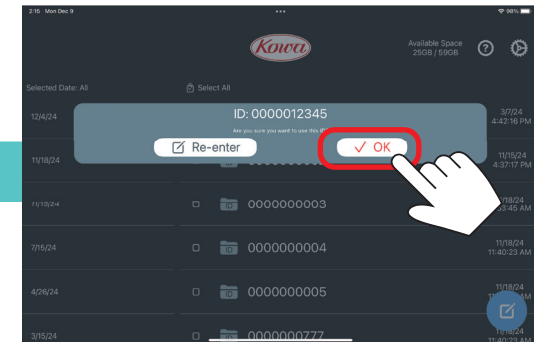


Tap the "Enter ID" icon.

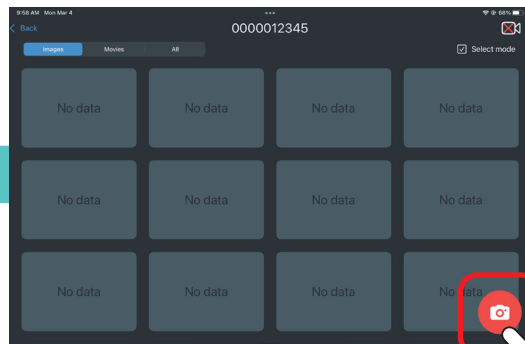


Enter the ID and tap the "OK" icon.

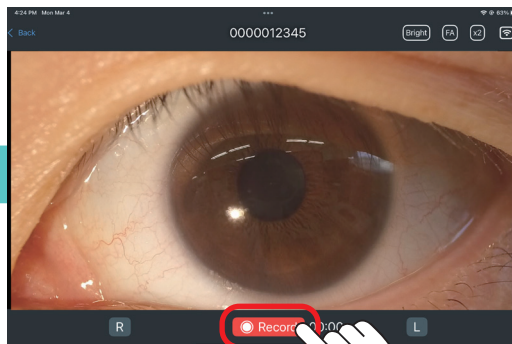
* Character types that can be used in Ids:
Alphanumeric uppercase and lowercase letters and - (hyphen)
These are NOT case sensitive.



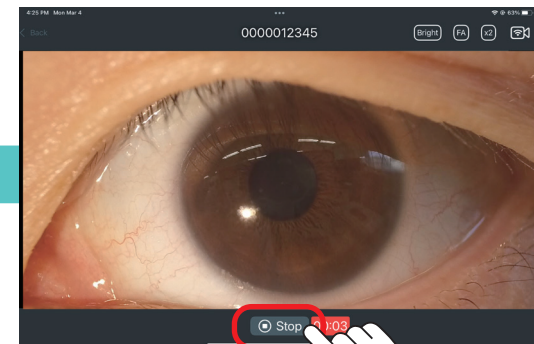
Confirm the entered ID, then tap the "✓ OK" icon.



To start recording an image Tap the "Record Video" icon.

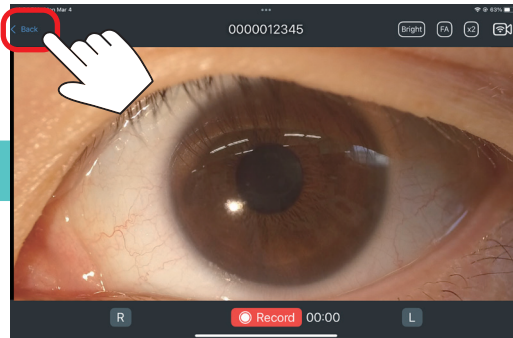


The 'live view' will now be displayed on the screen.
Tap "Record" to start recording.

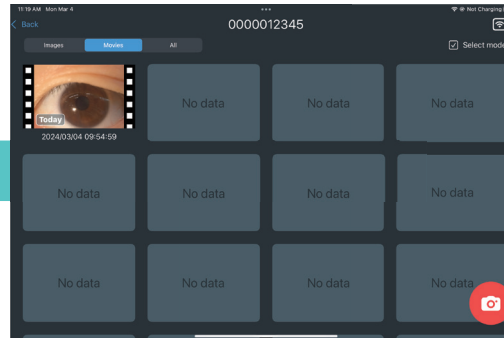


To end the recording tap "Stop".

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

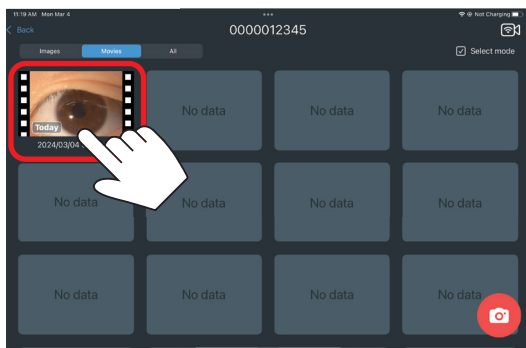


When you have finished recording tap "Back".

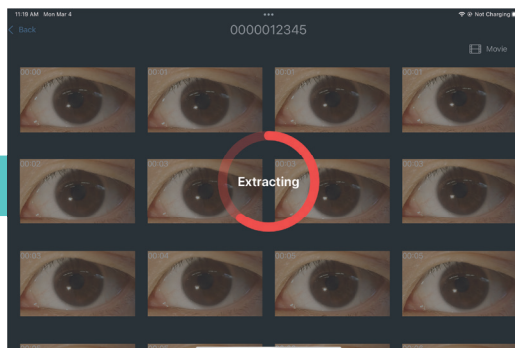


The recorded file will automatically be saved in the Data List Screen.

2 Reviewing and Saving files

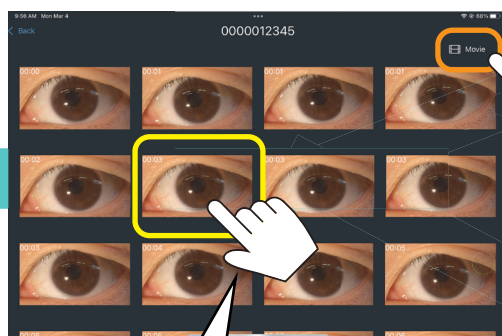


Tap the thumbnail of the video you want to review.

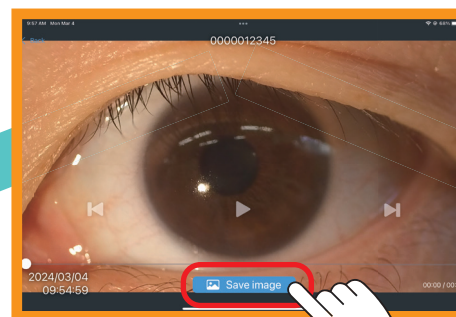


Still images from the recorded data will be displayed.
When "Extracting" is displayed, tap the screen to stop the extraction.

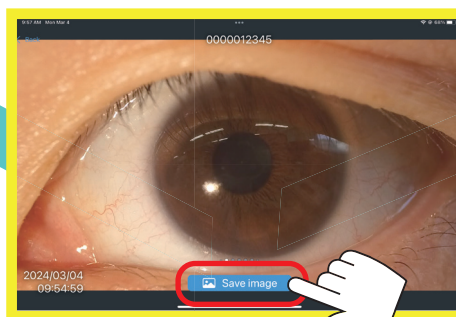
Tap the "Video" button to display the Live view screen.



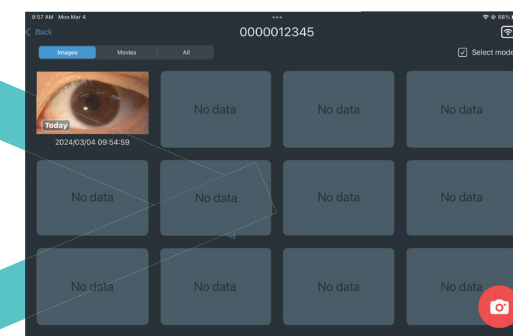
To view the individual images, tap the image thumbnail of the extract you wish to view.



Video Playback Screen



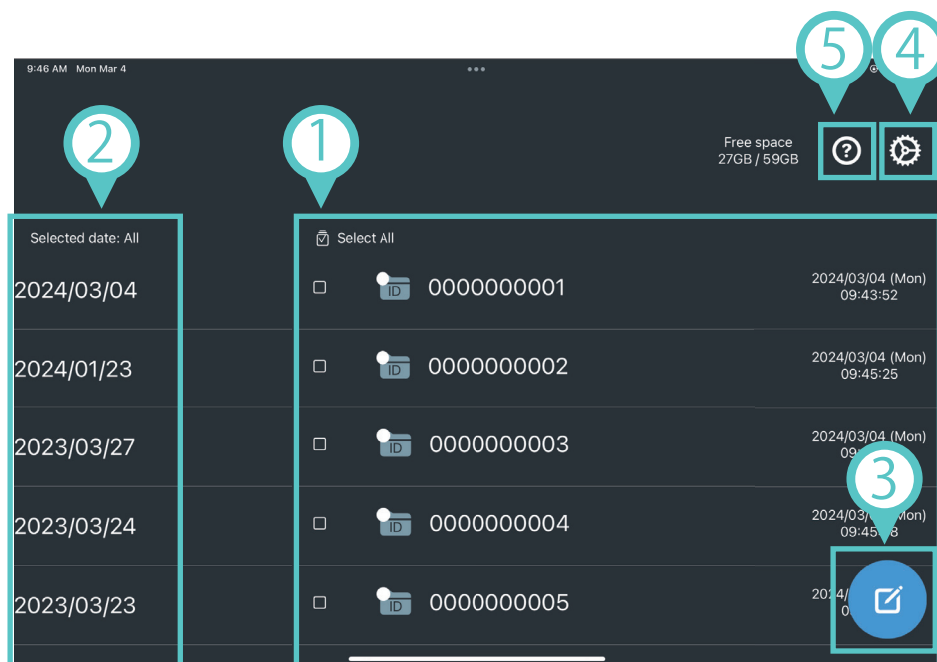
Still image Display Screen



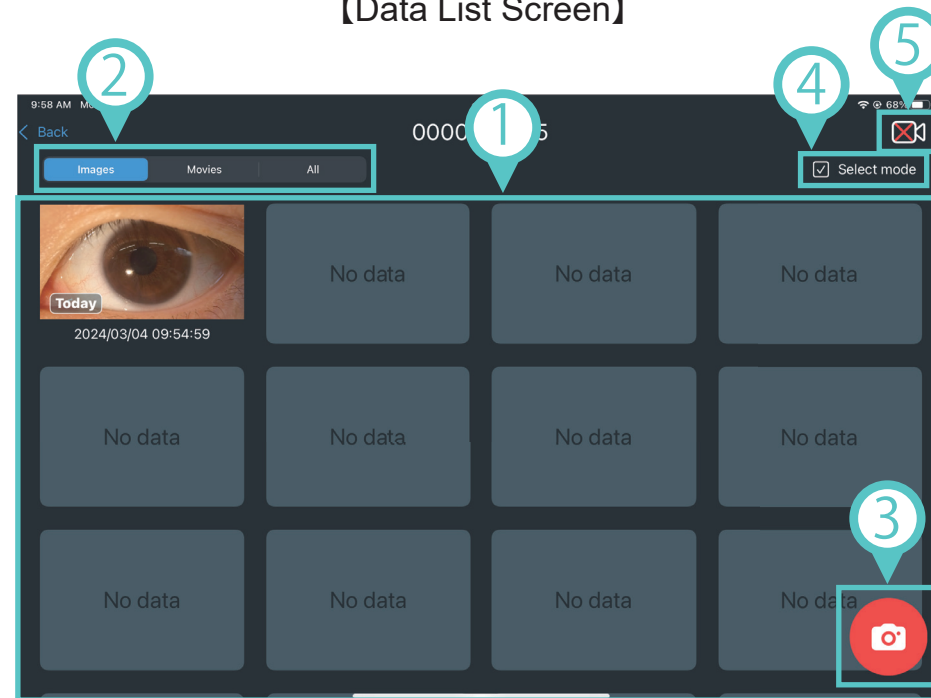
Tap "Save Image" to save the selected image.

3 Screen Layout Guide

【Home Screen】



【Data List Screen】

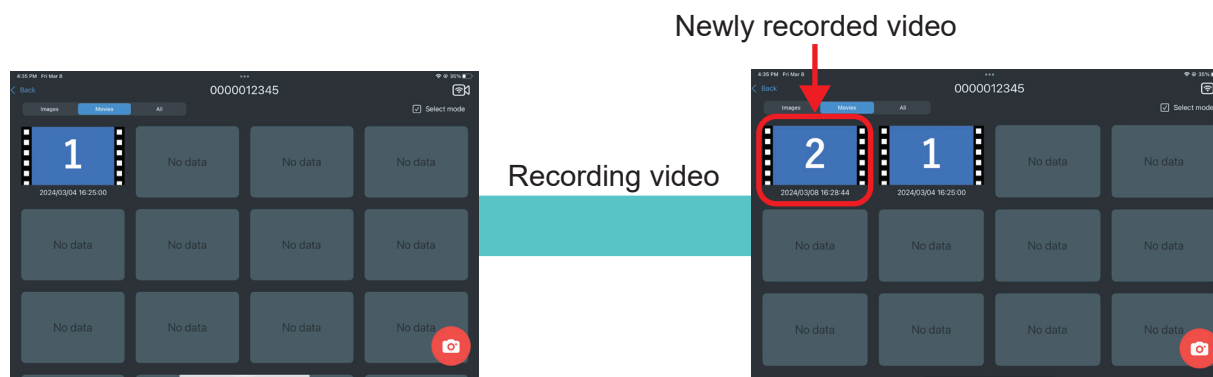


- 1 List of ID folders. Click to open the selected ID's data list screen.
- 2 ID folders are displayed by date, in descending order.
- 3 Enter the ID to open the selected ID's data list screen.
- 4 Open Settings Screen of the App.
- 5 Open manuals for this App.

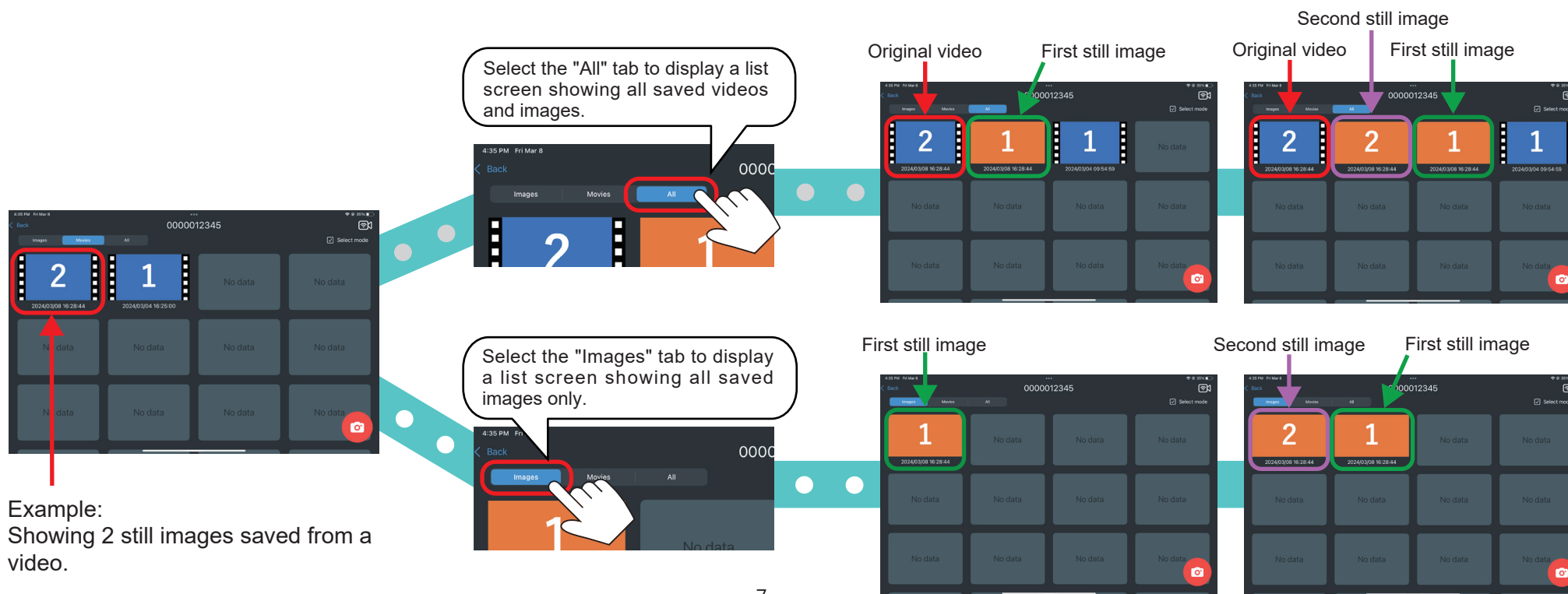
- 1 The recording data of the selected ID is displayed. Video's are displayed by date, in descending order.
- 2 Switch the type of data to be displayed (Images, Videos, All).
- 3 Tap to open the Live View Screen. If not connected to the camera, make the connection.
- 4 The data can be selected. Once selected, data can be deleted or exported.
- 5 Indicates the camera connection status. If "x" is displayed, tap the icon to reconnect.

【Image display order on the data list screen】

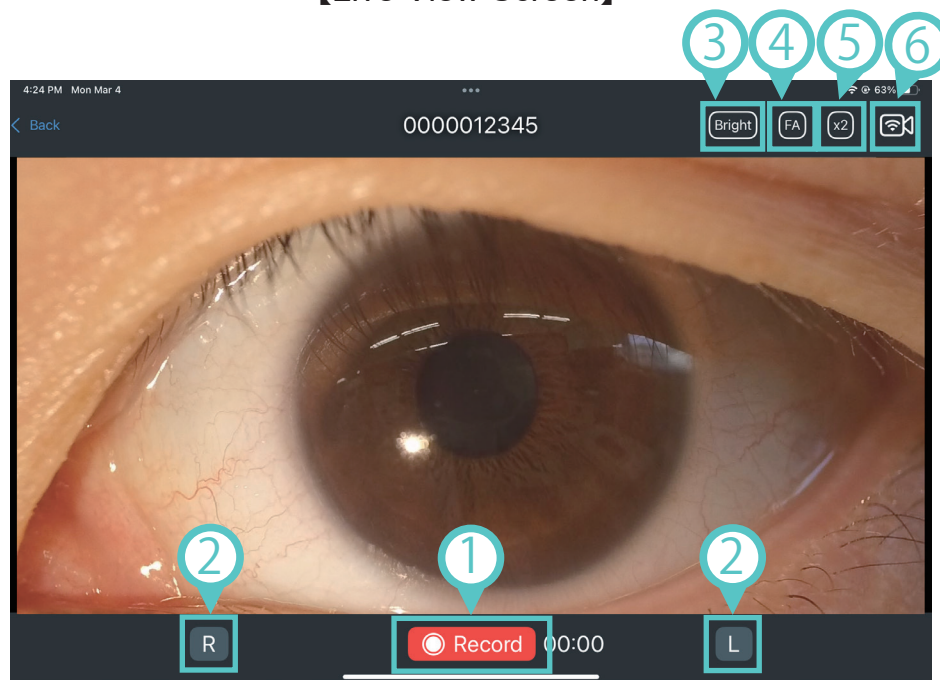
When recording a new video, a new thumbnail image with the newest date and time is displayed in the upper left corner.



When saving a still image from a recorded video, the still image will appear directly next to the original video thumbnail.

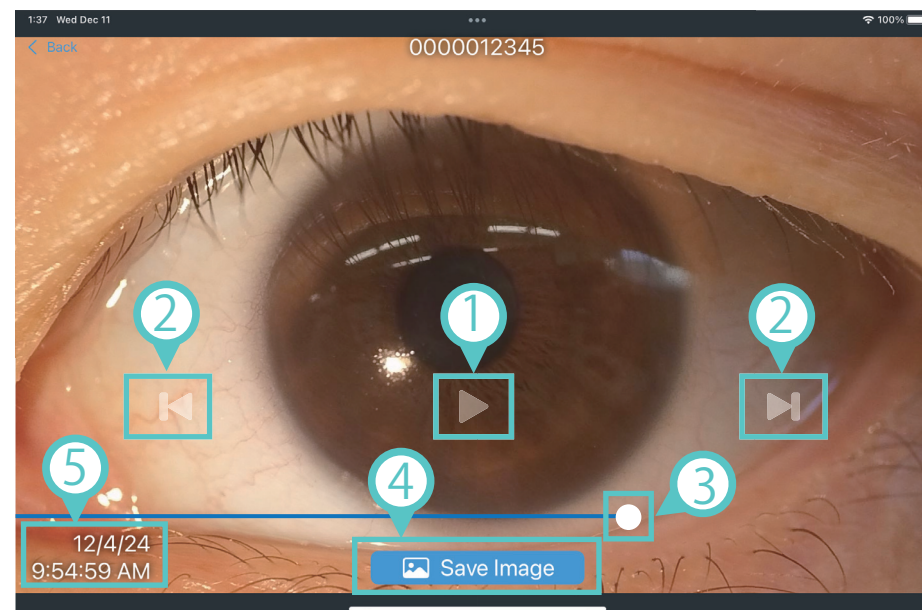


【Live View Screen】



- ① Start recording.
- ② Eye selection tabs, either left or right eye.
- ③ Brightness scale. If the image is too dark, increase the sensitivity to brighten the image.
- ④ Fluorescein. For use when using fluorescein, to emphasise the green dye.
- ⑤ Image zoom tab.
- ⑥ Camera connection status
If "x" is displayed, tap the icon to reconnect.

【Video Playback Screen】



- ① Play / stop
- ② Video advance / rewind (frame by frame).
- ③ Slide to adjust the playback position of the video.
- ④ Save the displayed frame as an image.
- ⑤ Date and time of when the recording was made.



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