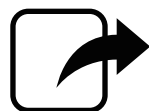
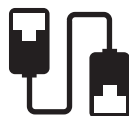


KOWA SL-19 plus

KOWA SL-19 App



Export function



Wired LAN

EU/US

The KOWA SL-19 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-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, refer to the SL-19 plus instruction manual.

This document describes how to transfer images recorded with this application to another personal computer (external destination device) using a wired LAN.

This document assumes that the initial settings for connecting the SL-19 plus and this application have been implemented, and that the display and recording of video and saving of still images have been performed.

Before performing the steps in this document, complete the setup procedure described in "KOWA SL-19 App export function: output destination PC." Also, please have ready the "Memo of the Confirmation / Settings Contents" (Memo) filled out during the configuration of the export function.

<memo>

KOWA SL-19_{plus} KOWA SL-19 App Export function Preparation (Windows)

This document describes the setup procedure to be performed on a personal computer (PC) in order to use the export function of the KOWA SL-19 App.

The export function of this app performs file sharing over SMB protocol.
The procedures described are for Microsoft Windows 10 and Windows 11 operating systems (OS).
For procedures on other operating systems, check the necessary items listed in the table below using this manual as a reference, and proceed with the setup.

Disclaimer
We are not responsible for any damage such as data corruption caused by the procedures described in this document.
This document is based on the 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.

Please use the following table as a memo of the contents that you have confirmed and set in this document. Use the contents noted here to configure the export function of this application.

No.	Item	Confirm/set	Procedure Number
1	Shared Name		STEP3-⑥
2	Shared User Name		STEP2-⑧
3	Shared Password		STEP2-⑨
4	Shared Computer Name		STEP4-⑤
5	SSID (Wireless LAN)		Refer to the router's instruction manual.
6	Encryption Key (WirelessLAN)		

When connecting via wireless LAN read the instruction manual of the wireless LAN router you are using, and check the SSID and Encryption Key of the wireless LAN router. The character types that can be used in this application are shown in the table below. If the SSID and Encryption Key of the wireless LAN router contain characters other than those in the table below, change the settings of the wireless LAN router. If you already have an external device connected to the wireless router, reconfigure that device as well.

	Available character types	Available number of input.
SSID	Half-width alphanumeric spaces and symbols (right table)	1 to 32
Encryption Key	* Case-sensitive	8 to 63

!	~	#	\$	%	&	'	(	)	*	+	=	-	.	/	:
:	<	=	>	?	@	[	\	]	^	_	`	{		}	~

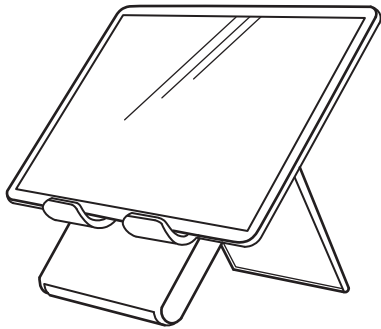
** \ is displayed as * \ * depending on the environment

-2-

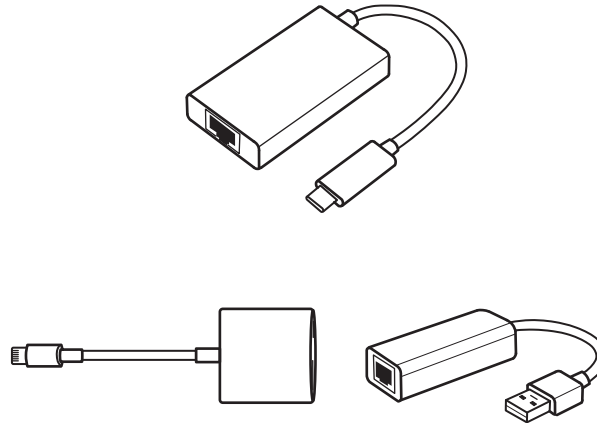
1 Preparation before settings Physical Connections

Connect the LAN conversion module to the input/output connectors (USB Type-C/Lightning connectors) of the computer device (iPad mobile digital device series) you are using, and connect it by wire to the Hub or other device connected to the external destination device.

Computer Device



Conversion Adapter



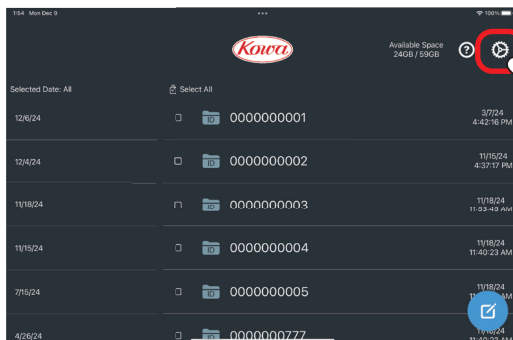
LAN cable
Recommended for Category 6A or higher



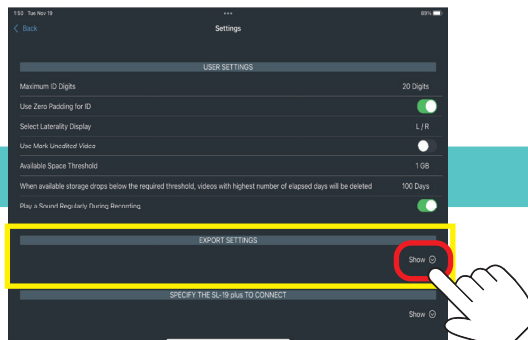
In-hospital LAN hub, etc.



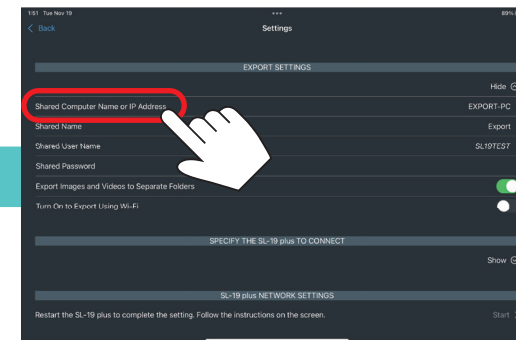
2 Settings in the app



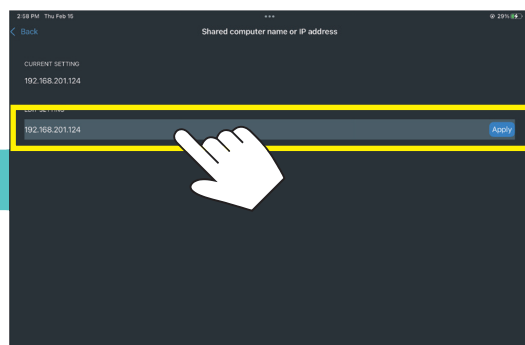
Tap the "Settings" button.



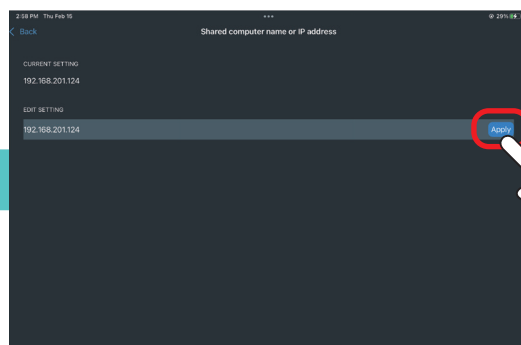
Tap "Show" in "EXPORT SETTINGS."



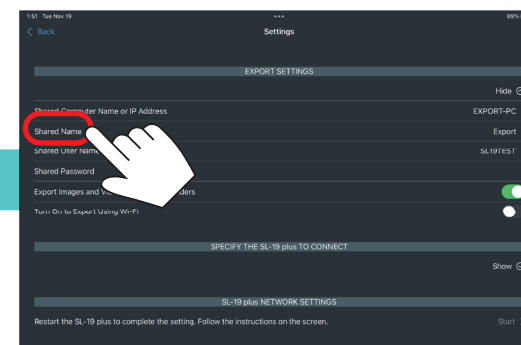
Tap "Shared Computer Name or IP Address."



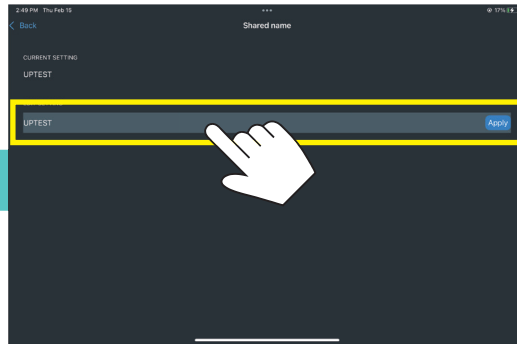
Tap the input field and enter the [Shared Computer Name] in the <memo>.



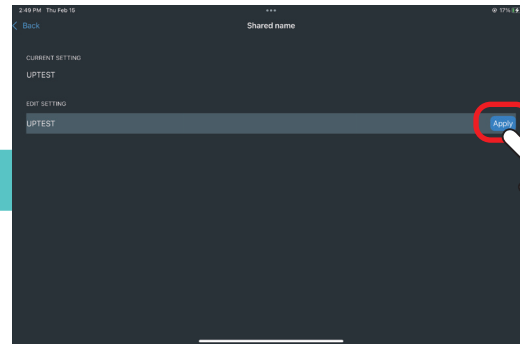
Tap "Apply."



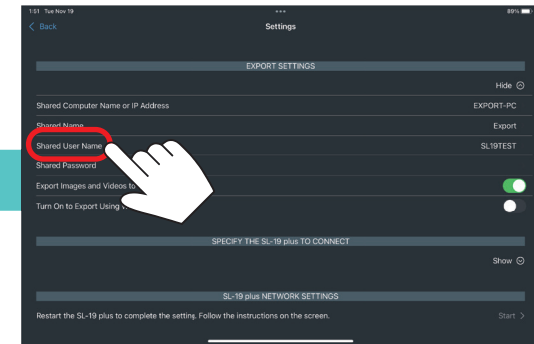
Tap "Shared Name."



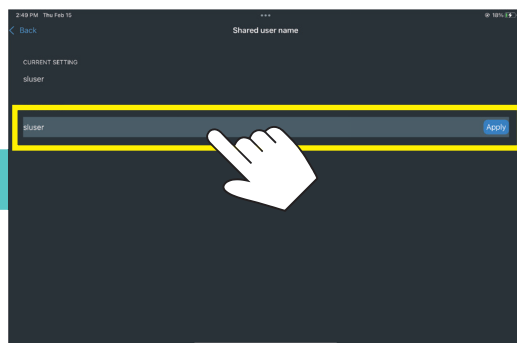
Tap the input field and enter the [Shared Name] in the <memo>.



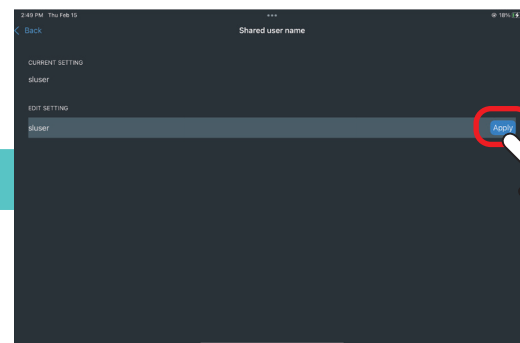
Tap "Apply."



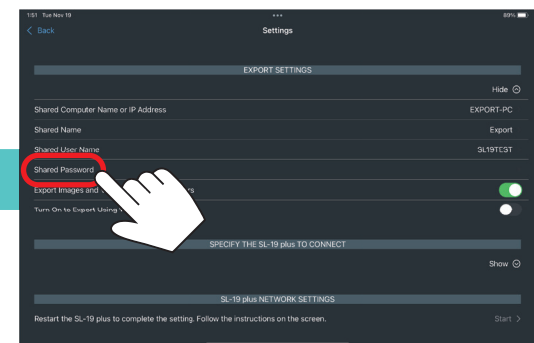
Tap "Shared User Name."



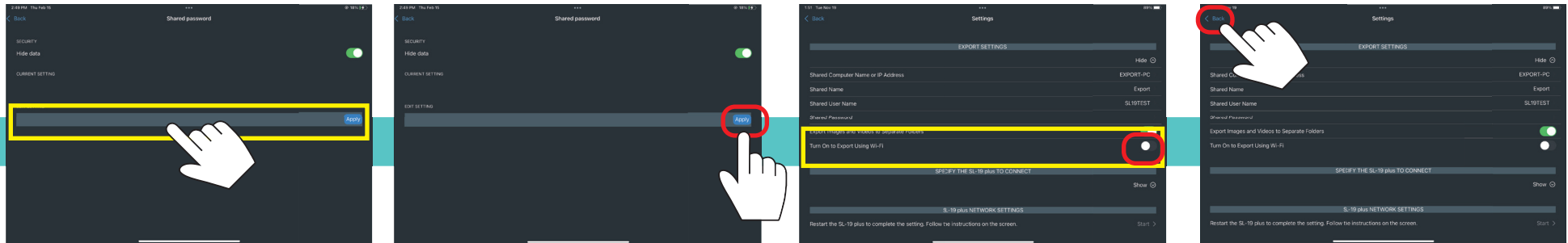
Tap the input field and enter the [Shared User Name] in the <memo>.



Tap "Apply."



Tap "Shared Password."



Tap the input field and enter the [Shared Password] in the <memo>.

Tap "Apply."

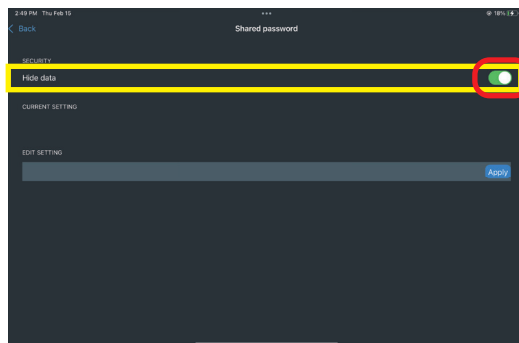
Check the "Turn On to Export Using Wi-Fi" is [Off].
If it's [On], turn it [Off].

Tap "Back."



POINT

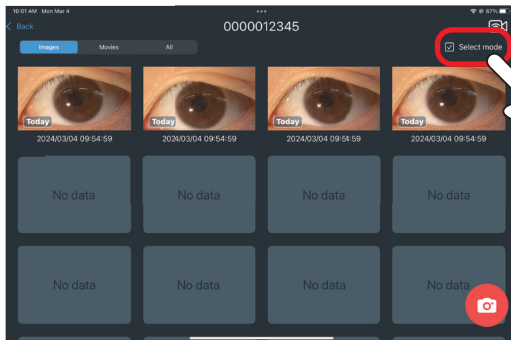
<when entering a password>



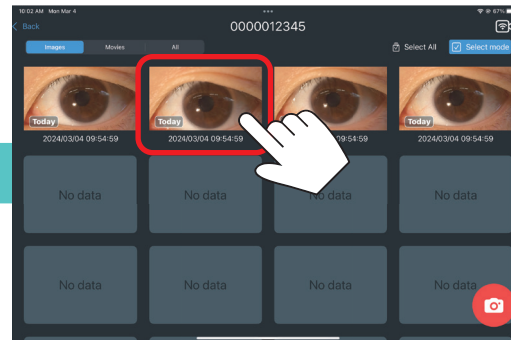
Uncheck "Hide data" to temporarily reveal your password. Please use when confirming that there are no input errors. However, please be careful about the password getting stolen.

3 Connection Test

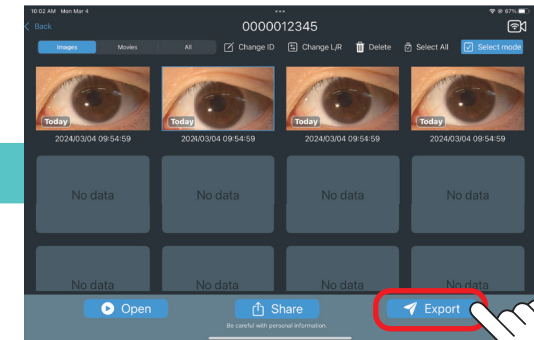
Export video from the SL-19 plus or a saved still image and verify that the file is available in the specified folder on the external destination device.



In the still image list display, tap "Select mode."



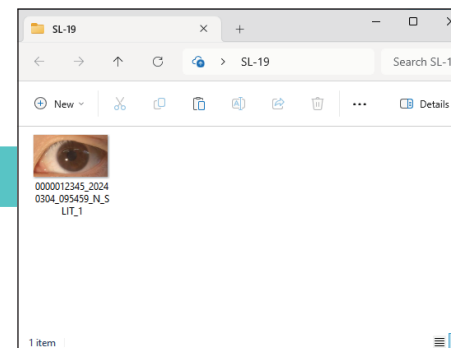
Tap any still image.



Tap "Export."



The Processing icon is displayed during output.
(The display time varies depending on the output file size.)
If the output process of one still image continues longer than 1 minute, restart the application and export the file again.



Confirm that the selected file has been sent to the specified folder on the external destination device.

4

Export Data Specification

The specifications of the exported data are as follows.

File Name Specifications	Outline	[Patient ID]_[yyyyMMdd]_[HHmmss]_[Left and right information]_SLIT_[Duplicate avoidance number].[extension] Delimiter : _ Fixed Item : SLIT
	Patient ID	a to z, A to Z, 0 to 9, - (Maximum 20 characters)
	yyyyMMdd	year, month, day (Gregorian calendar) Sample : 2023 January 03 = 20230103
	HHmmss	hours, minutes, and seconds (24-hour notation) Sample : PM_03h : 15min : 40s = 151540
	Left and right information	L, R or N L : Left Eye, R : Right Eye, N : Unspecified
	Duplicate avoidance number	Start from 1. (Maximum 999) Use incremented number if a file with the same name exists in the export destination folder.
	Extension	JPG or AVI
Video File Specifications	Container format	AVI
	Compression format	Motion JPEG
	Resolution	1920x1080
Still Image File Specifications	Compression format	JPEG
	Resolution	Normal : 1920x1080 (same as video file) When saving enlarge : It depends on screen size of computer device.
Export Communication Specifications	Protocol	SMB1, SMB2, SMB3, SMB311
	Output Path	\\Shared computer name\Shared name\Subfolder name(*)\ *In the "Export Settings", when "Export images and videos to separate folders" is set to "On", still images outputs to the "image" and videos outputs to the "movie." When "Export images and videos to separate folders" is set to "Off", files outputs to the "Shared name" folder directly.



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