


	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

Revision:

Version	Status	Author	Date	Remarks
1.0	Release	Kendrick	20200702	First Edition

	ACSB A2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

Contents

Chapter 0 Environment Setting

- Connecting to Computer
- Connecting to Device

Chapter 1 UI Overview


- Software UI Overview

Chapter 2 Basic Function

- Image Streaming
- Backlight Control
- Pixel Information
- Save Current Image

Chapter 3 Additional Function

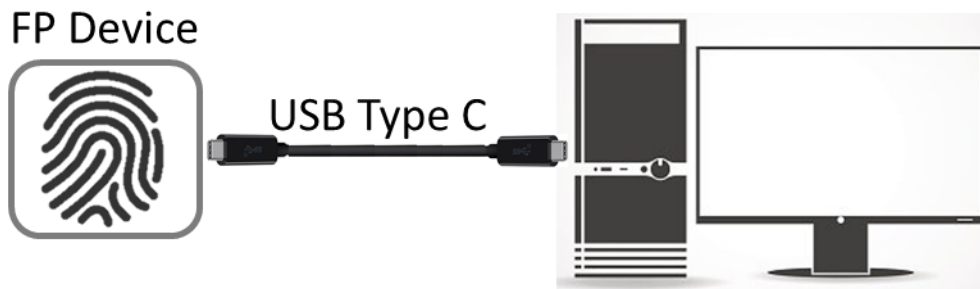
- Zoom In/Out
- Image Rotate

	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

Chapter 0 Environment Setting:

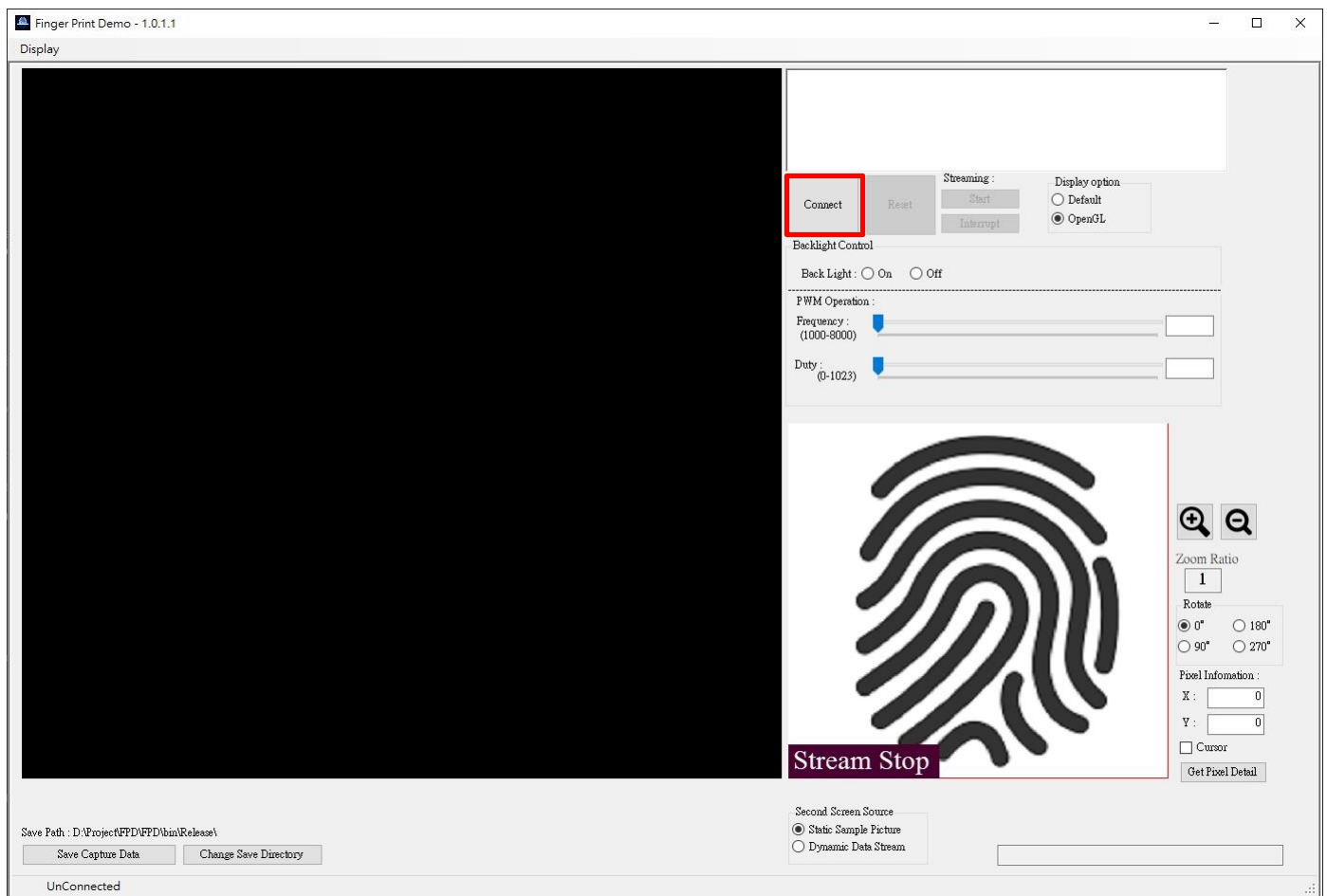
● Connecting to Computer:


Use USB Type-C cable connect between FP device and computer at first, verify cable was connected stably that computer can enumerate^{*1} the device.



● Connecting to Device :

After Cable connected, open this program and hit the connect button.



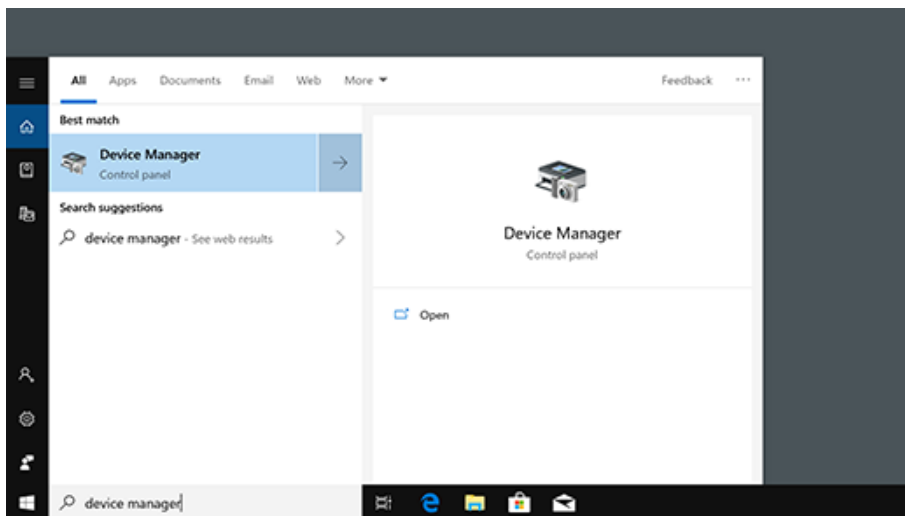
	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

After successful connecting, the log area will display device description like: FW version...etc. , till this step, the device connecting and initializing is done.

FAQ:

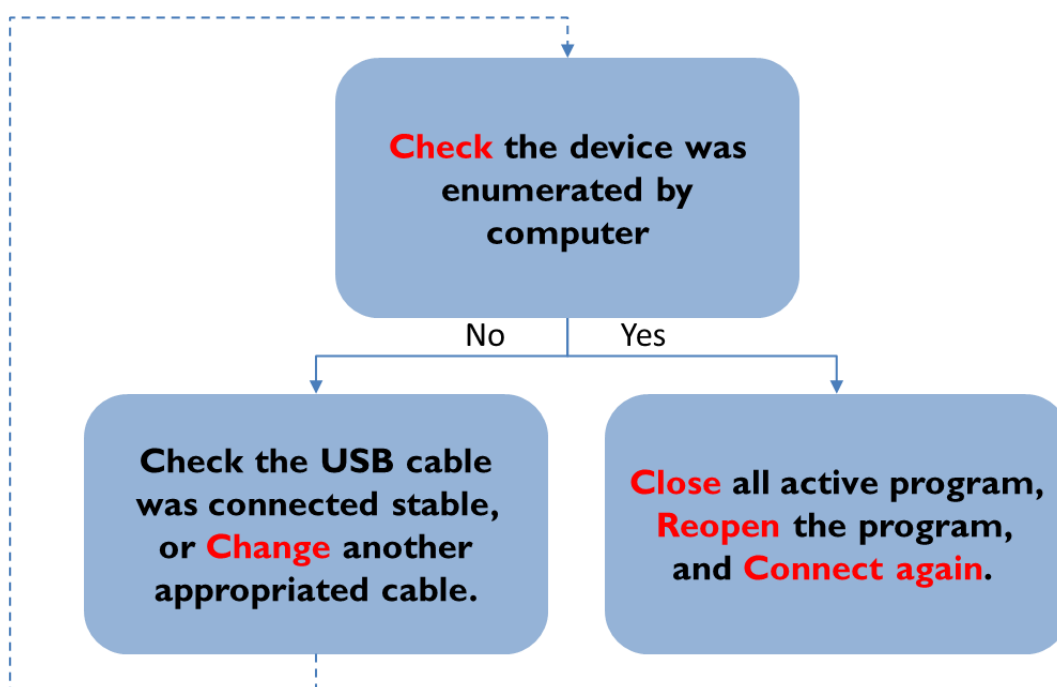
1. How to know the device has been enumerated?

A: Open the Device Manager, and check the device.



2. How to do when the program connect to device failed?

A:





ACSBA2 User Guide


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	ACSB A2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

Chapter 1 UI Overview:

● Software UI Overview



- 1. Main Display Area : 800 x 750 (pixel²)**
Display compressed image at this area. *Raw image (1600 x 1500)
- 2. Sub Display Area : 400 x 375 (pixel²)**
Choosing and moving zoom in area.
Display compressed image at this area (option).
- 3. Log :**
Display device feedback message.
- 4. Device Connect & Reset :**
Connect to device or reset the device.
- 5. Stream Control :**
Control the stream start or interrupt.
- 6. Display Option :**
Offer two way to generating image.

	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

7. Backlight Control

Control backlight by PWM duty.

8. Additional Feature

Offer zoom In/Out function and image rotate function.

9. Pixel Information


Offer user check the pixel detail.

10. Sub Display Source

Change sub display source between static image and streaming.

11. Save Image

Saving the current frame of image.

	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

Chapter 2 Basic Function

● Image Streaming:

When device was connected, streaming function will be enabled.

Click start will trigger device start the data transfer, and generate the image at main display area, according to the chosen method.

When you want to stop the streaming, press the interrupt.

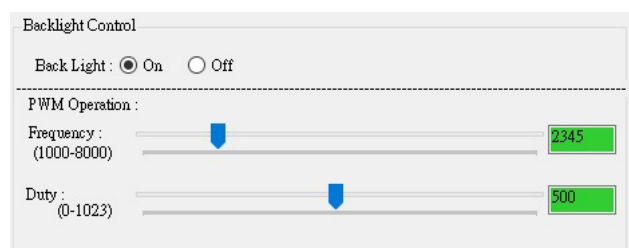
This program offer two way to generating image:


1. Default is use window default drawing function, mainly use CPU source.
2. OpenGL is calling the GL library, mainly use GPU source.



● Backlight Control:

This program support device's backlight control with simple control and advance control. Simple control offer on/off switch, duty memory (re-open backlight). Advance control offer duty and frequency precisely control.



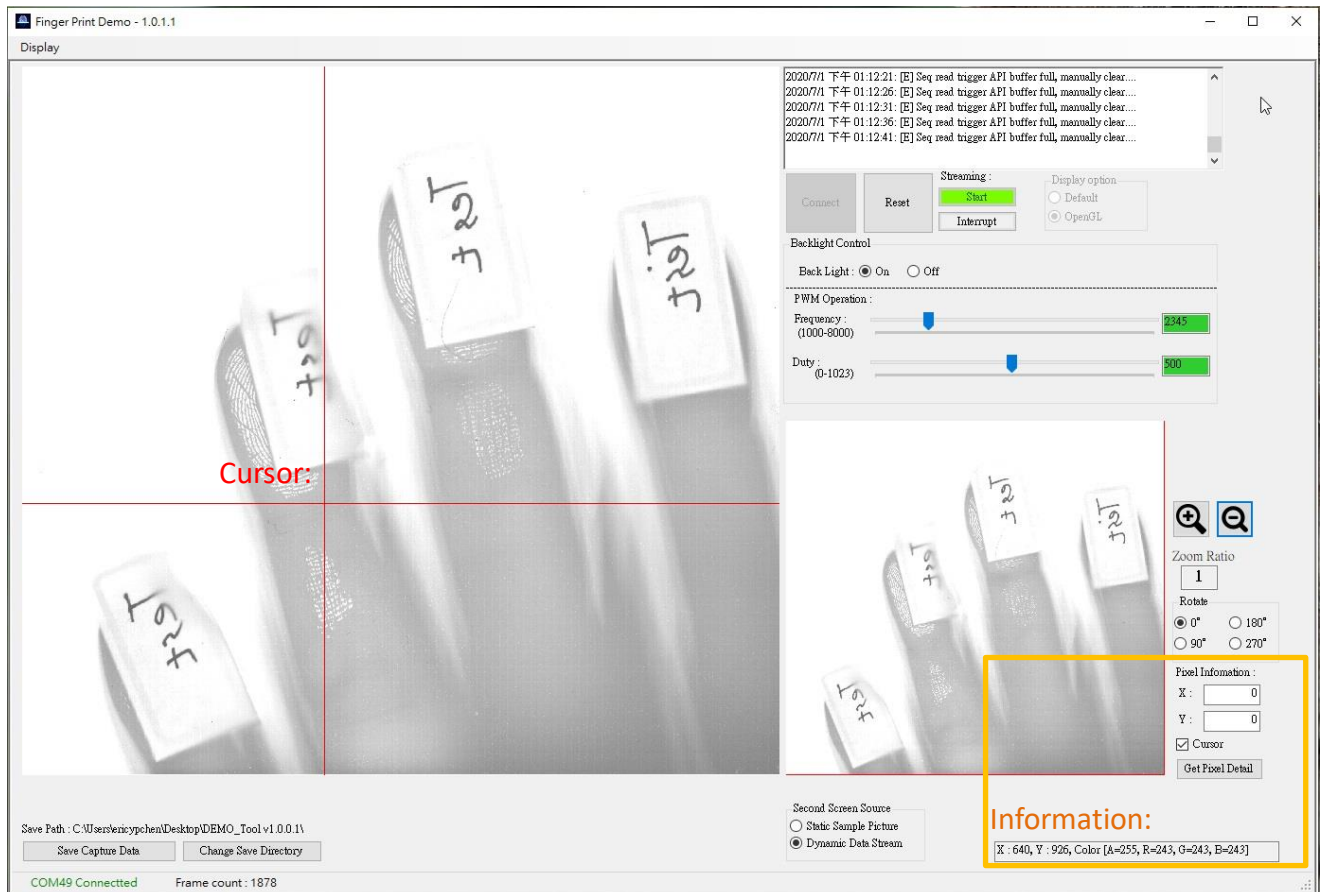
	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

● Pixel Information:

This program support user monitor the specific pixel's RGB value by two way.

1. Use mouse click to check this position's pixel RGB
2. Key in specific pixel coordinate, to get pixel RGB.


This program offer an additional feature, draw a cursor on image, help user know where the pixel at.



● Save Current Image:



When click the “Save Capture Data” to Save the current Image to the save path.
Click the “Change Save Directory” to change the save path.

	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

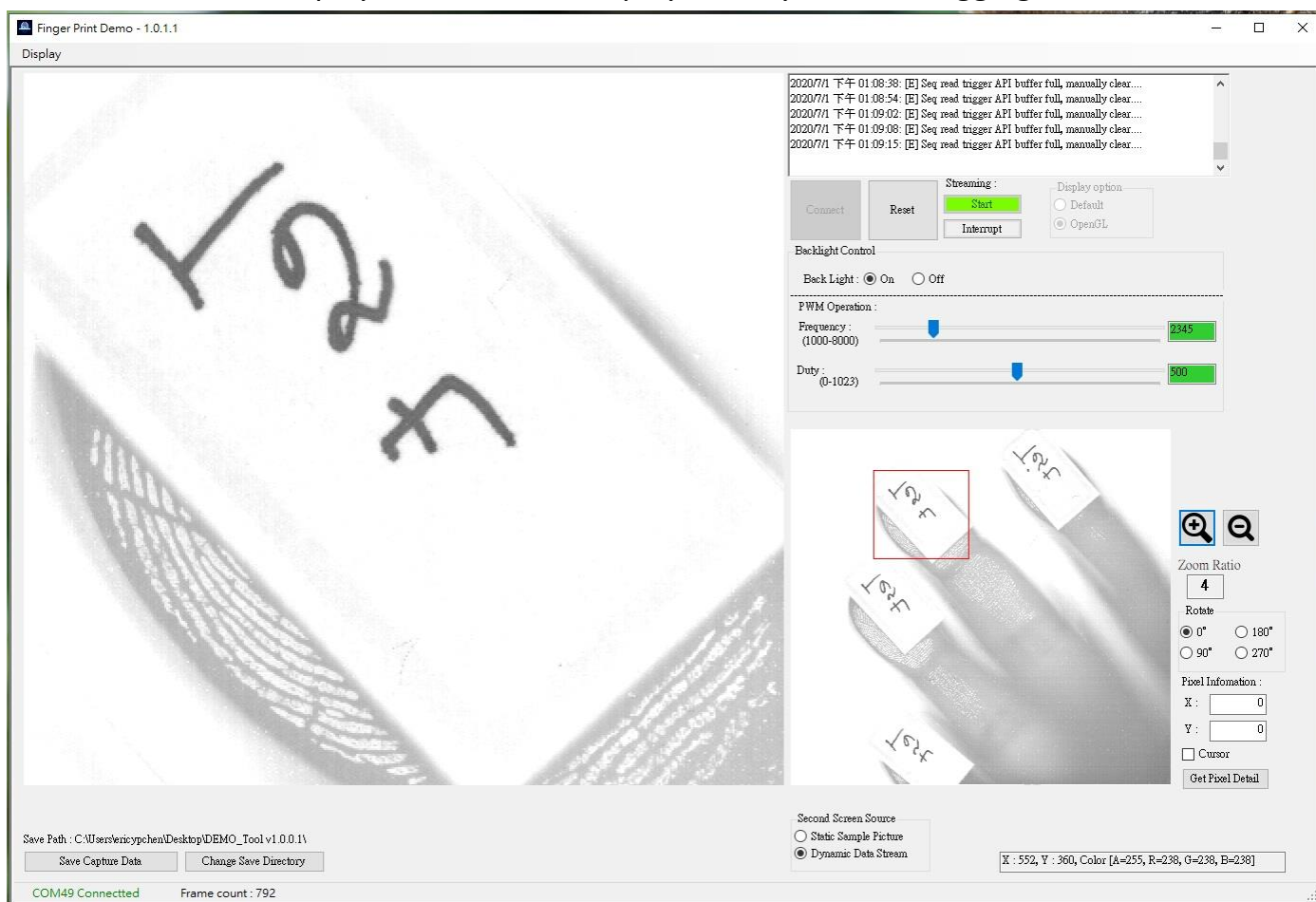
Chapter 2 Advance Feature


● Zoom In/Out:

APP support zoom in/out function, to display non-compress image, support zoom ratio about 1-8, click the zoom in/out button or scroll the wheel on the display area.

When zoom in function active, sub display will marked out the display area of main display.

Can move the display area thru sub display area by mouse dragging.



	ACSBA2 User Guide	Version	1.0
	FP_APP_1.0.1.1	Effective Date	2020/07/02

- **Image Rotate:**
APP support image rotate with four designed angle.

