

How To Use IB Demo Program

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Contents

1 .SUPPORTED FEATURES	2
2. PROGRAM LAYOUT	3
2.1 Main View	4
2.2 Capture View	5
2.3 Option View.....	6
3. HOW TO SCAN FINGER	7
4. HOW TO SAVE IMAGES	10
5. HOW TO ANNOTATE FINGER.....	12
6. HOW TO ZOOM IN-OUT	13
7. CAPTURE SEQUENCE DESCRIPTION	

1 .Supported features

Item	1.0.0	Remark
Save bmp image	O	
Save wsq image	O	
Save ISO 19794-4 image	O	
NFIQ	O	
Image zoom-in out	O	
Checking Duplicate	O	
Checking Finger position	O	
Smear Detection(Add to 09/30)	O	

2. Specification

Item		Specification
Mechanical	Device Dimension	114mm(W) x 132mm(L) x 72 (H), 4.5"(W) x 5.2"(L) x 2.8"(H)
	Device Weight	< 0.6Kg
Hardware	Interface	USB 2.0 High speed/Full speed, Plug & Play
	Sensor Type	Light Emitting Sensor (LES)
	Camera	CMOS Image sensor
	Resolution	500DPI
	Image size	Slap 80mm(W) x 76mm(L), 3.2"(W) x 3"(L)
		Roll 40mm(W) x 38mm(L), 1.6"(W) x 1.5"(L)
	Indicate	LED Green, Red, Orange
		Buzzer Magnetic Buzzer
	Extra Button	Supported two Buttons
	Supply Voltage	USB Level 4.40V ~ 5.25V
	Operating Current	Max 350mA
	Operating Temperature	-10°C ~ 55°C
	Humidity	20 ~ 95 %RH < 40°C, Non-condensing
	Water and dust protection	TBD
	Static Discharge	IEC61000-4-2 Air Discharge : ±8kV Contact Discharge : ±4kV
	Sunlight	Has no effect on fingerprint image
	Certifications	TBD
Software	FBI Certifications	TBD
	API Interface	Capture One finger
		Capture Two finger
		Capture Four finger
		Capture roll image
		BIOAPI 2.0
	Supported OS Driver	Window 2000, Window XP, Window 7, Vista, Linux

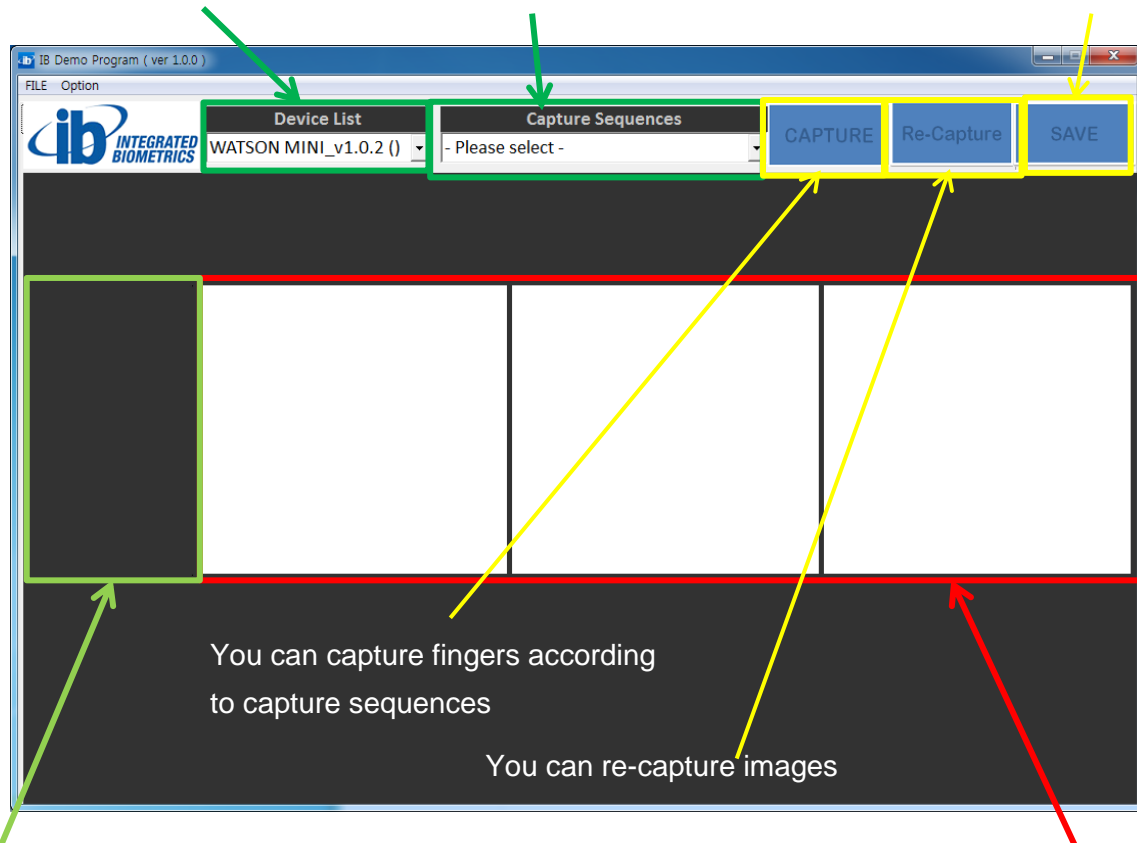
2. Program Layout

2.1 Main View

You can select device

You can select capture sequence

You can save captured images



You can see sequence preview

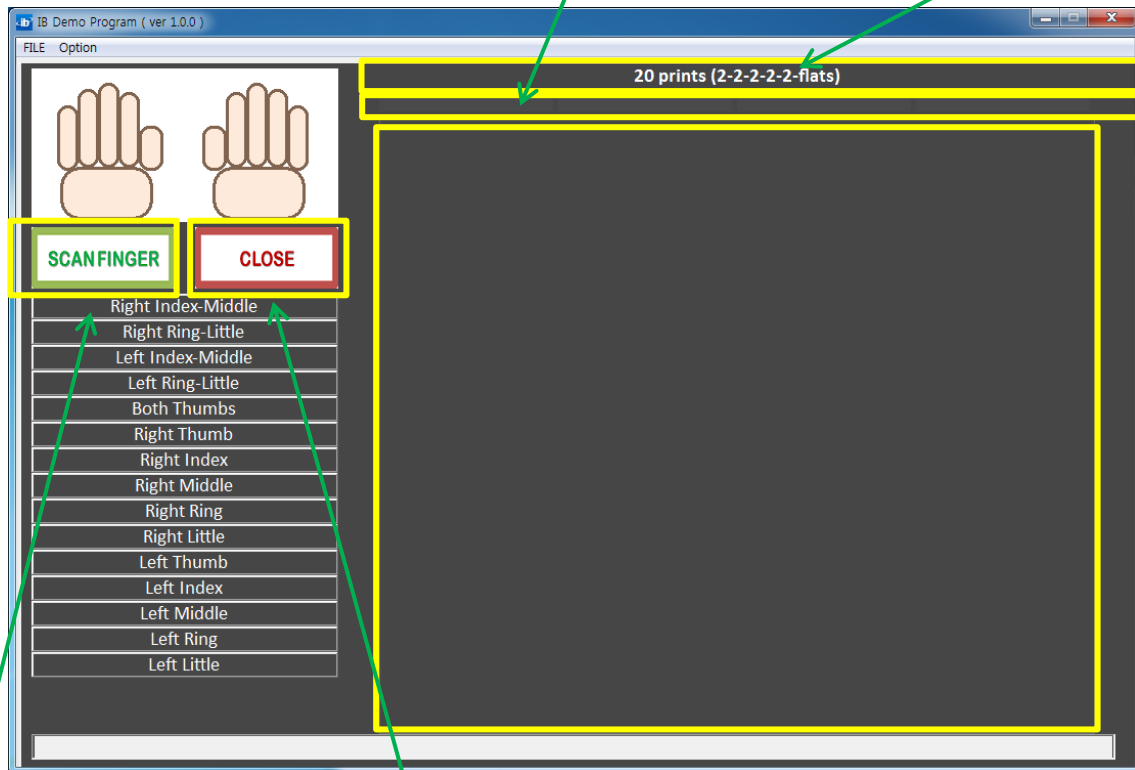
You can see captured images

Getting Started Guide

2.2 Capture View

You can see finger quality

You can see capture sequence



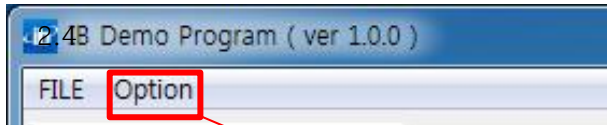
You can start capture finger

You can return to main view

You can see capture image

Getting Started Guide

2.3 Option View



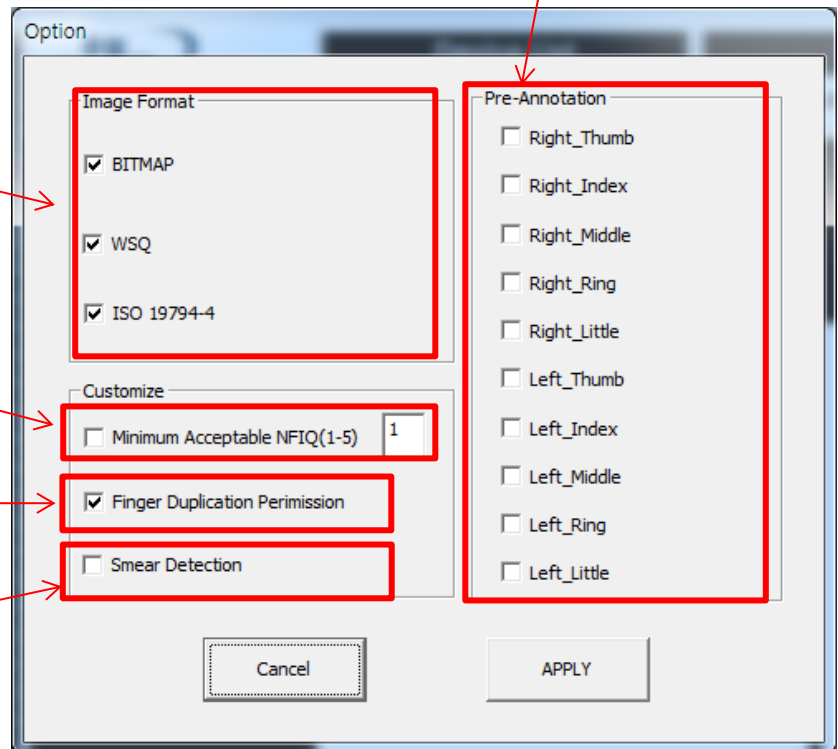
You can set Pre-Annotation finger

You can select image formats
(bmp, wsq ,iso19794-4)

You can set minimum
acceptable NFIQ (1 ~ 5).

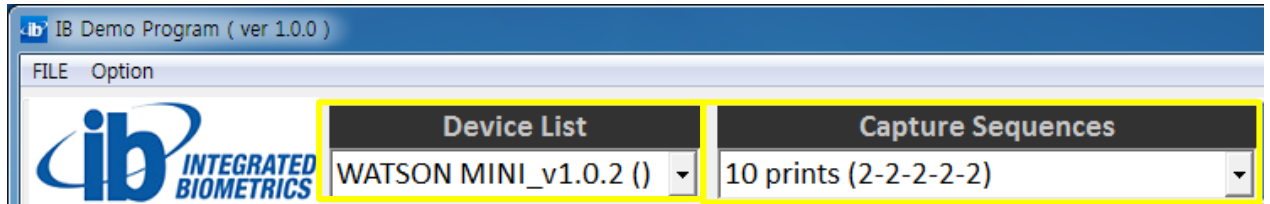
You can set finger
duplication permission

You can set Smear
Detection for roll

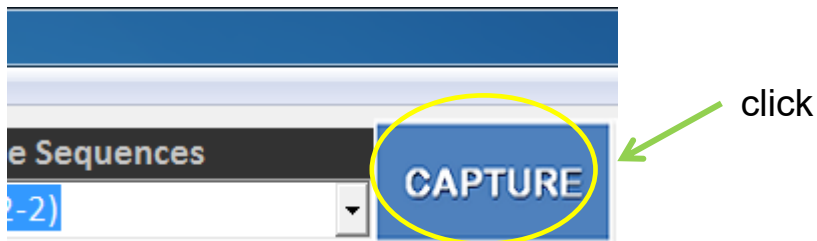


3. How to Scan finger

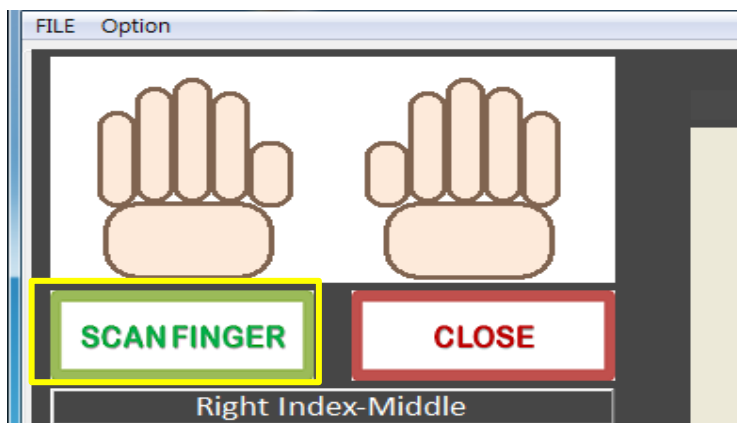
1. Select device and capture sequence you want to scan



2. Select "Capture" button.



3. Click "Scan fingers" button to proceed capture sequence

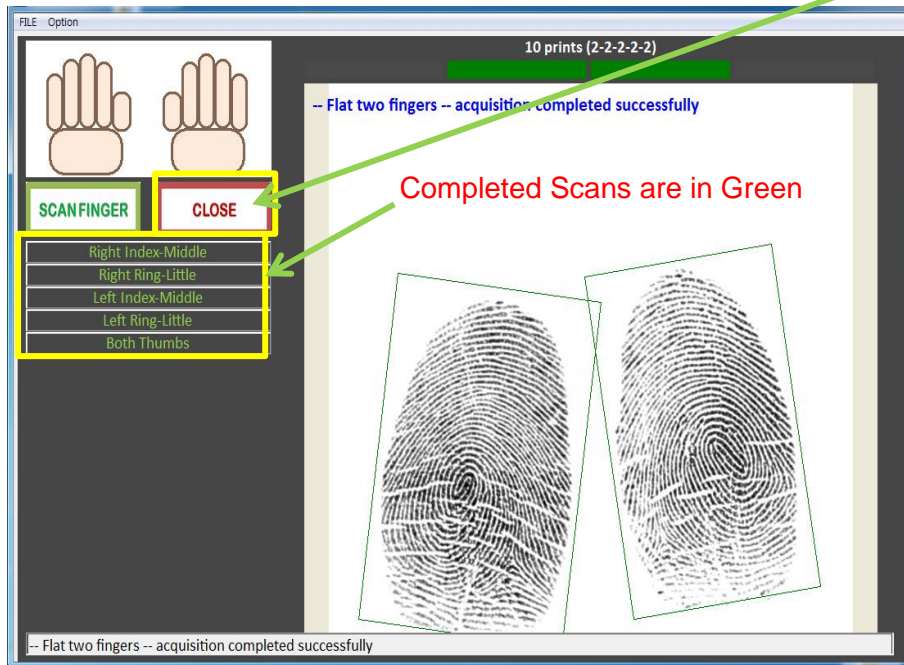


4. According to finger indicator, put your fingers on the scanner



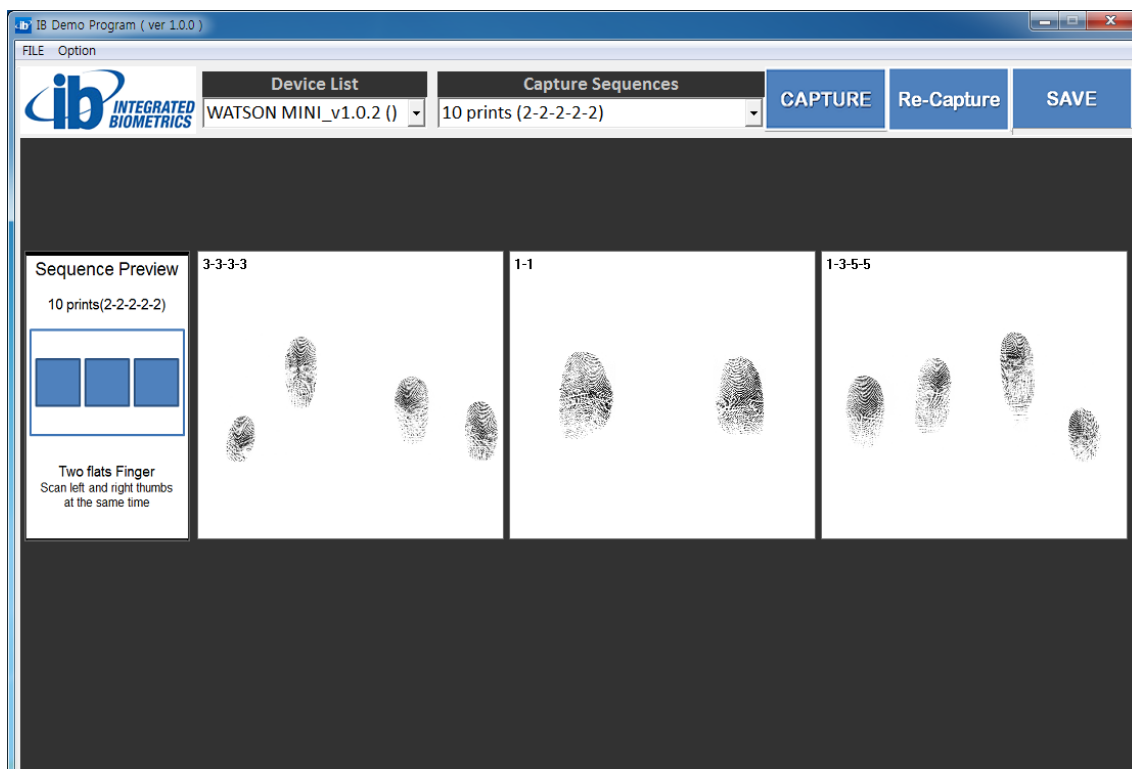
Getting Started Guide

5. Once you input all fingers, the capture sequence will be finished.



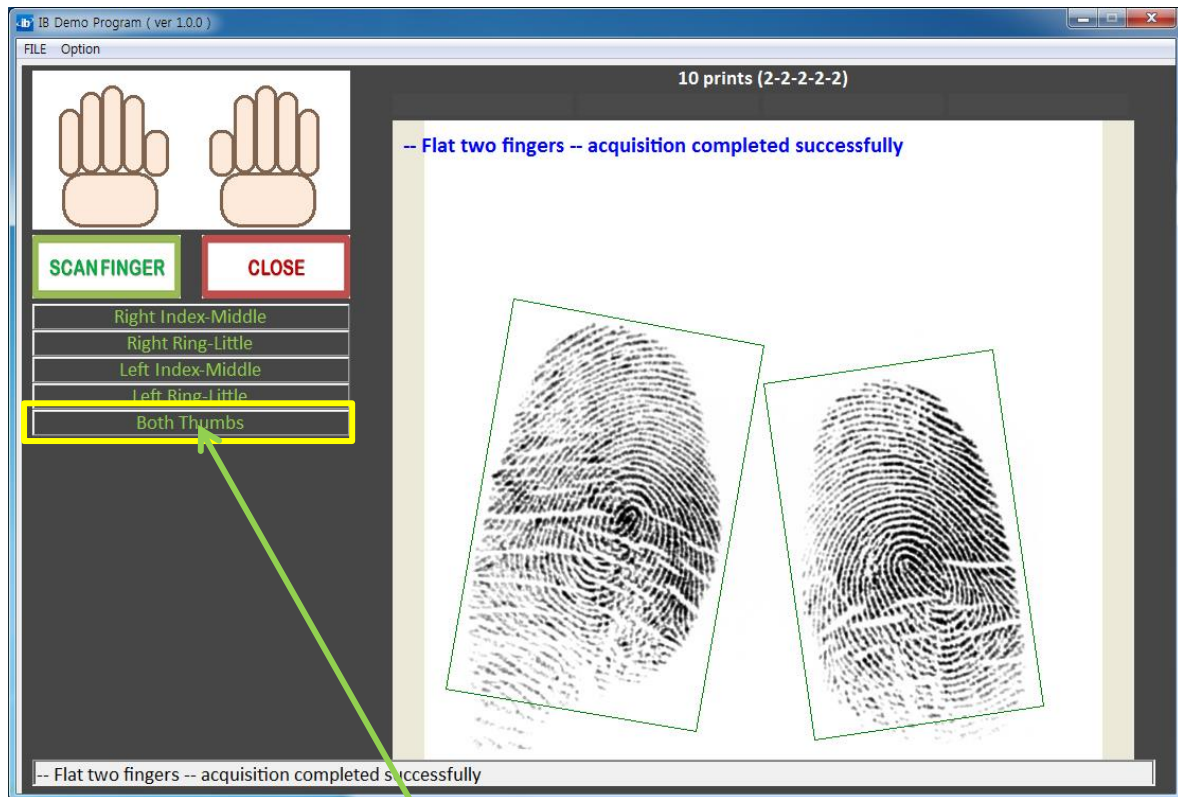
If you want to go back to main view, click "Close" button.

< Main view >



Getting Started Guide

6. If you want to capture specific sequence again, you can click that button.

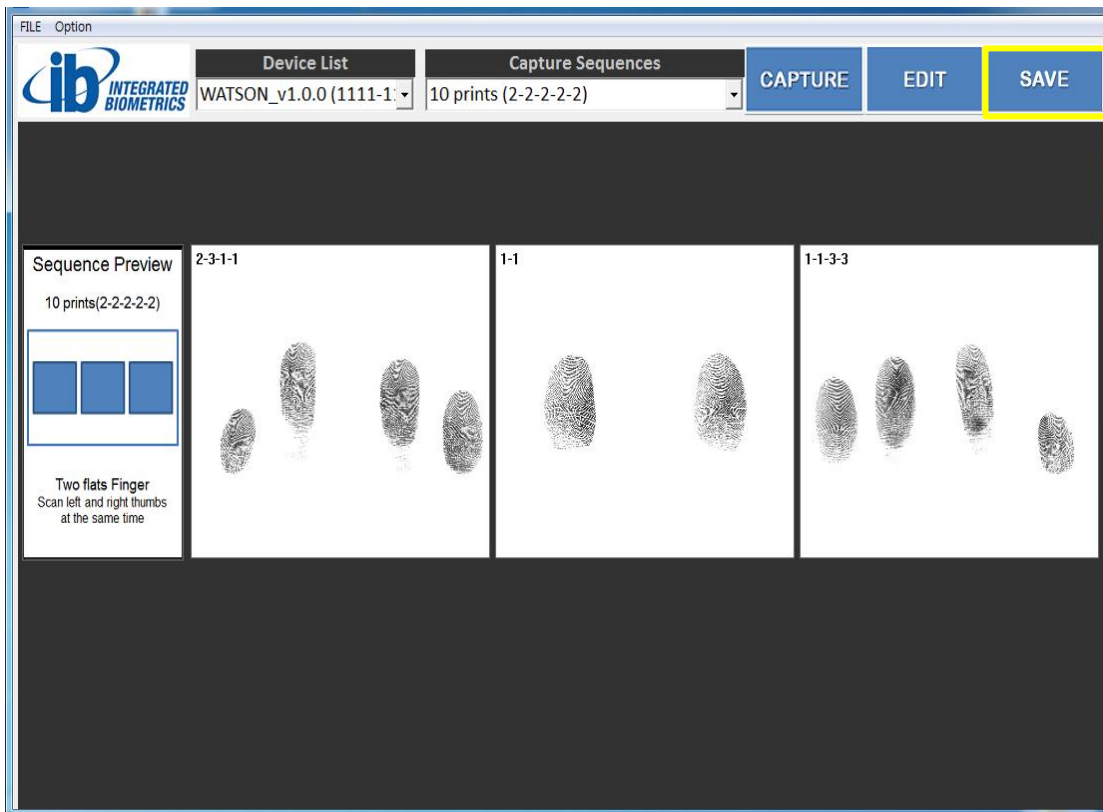


If you want to capture "Both thumbs" again, you can click "Both thumbs" button and capture again.

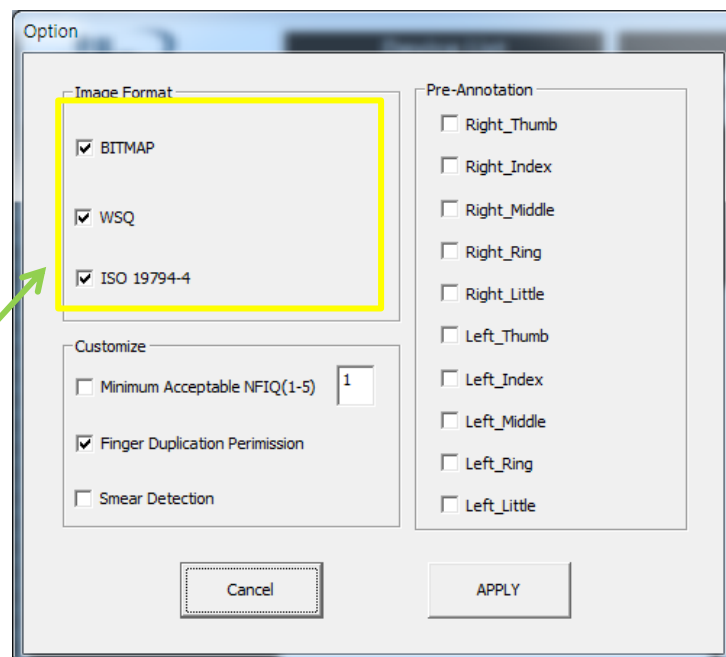
Getting Started Guide

4. How to save images

1. If you have finished the capture sequence, you can save the captured images by selecting the “Save” button



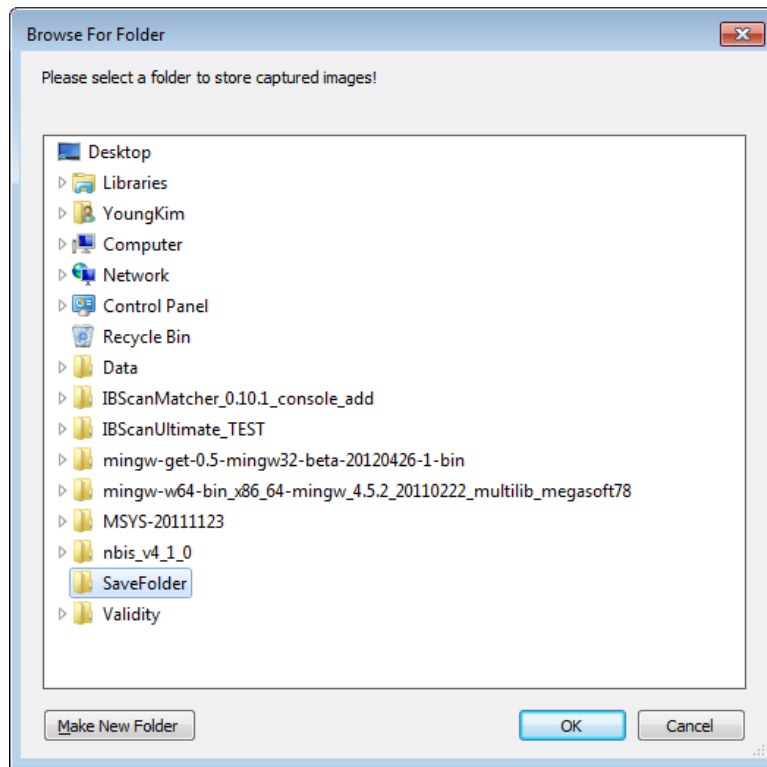
< Option menu >



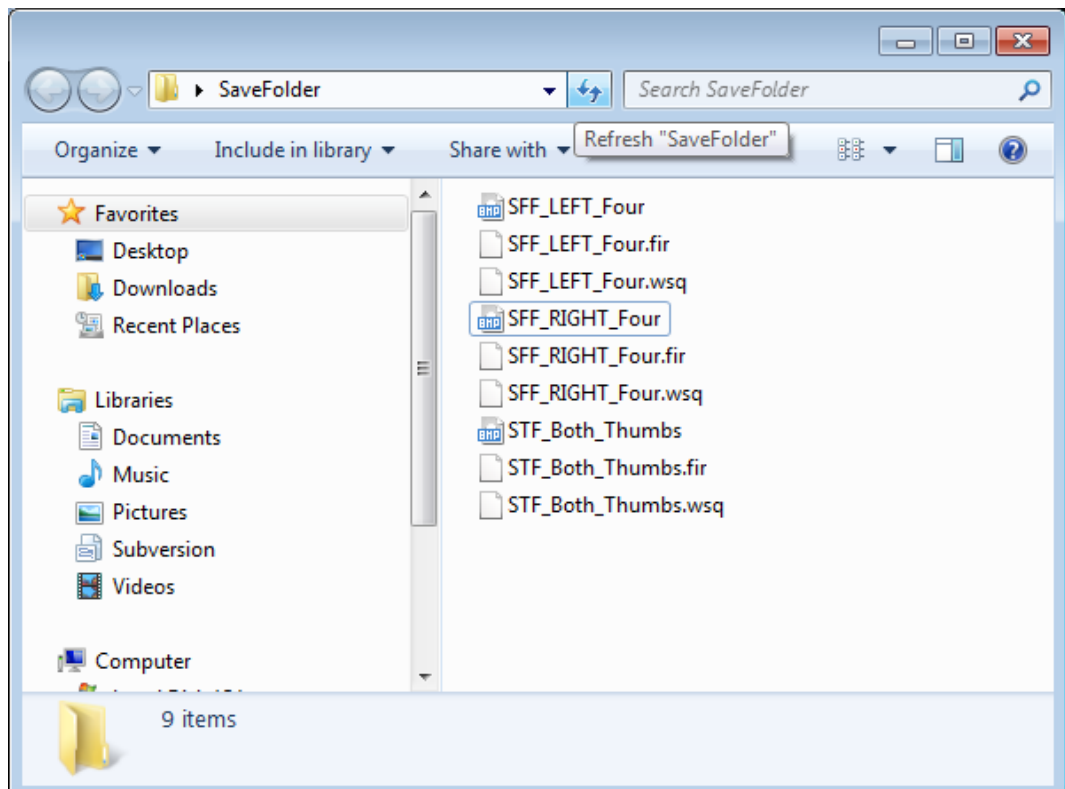
You can select image formats

Getting Started Guide

2. Select folder path to save images

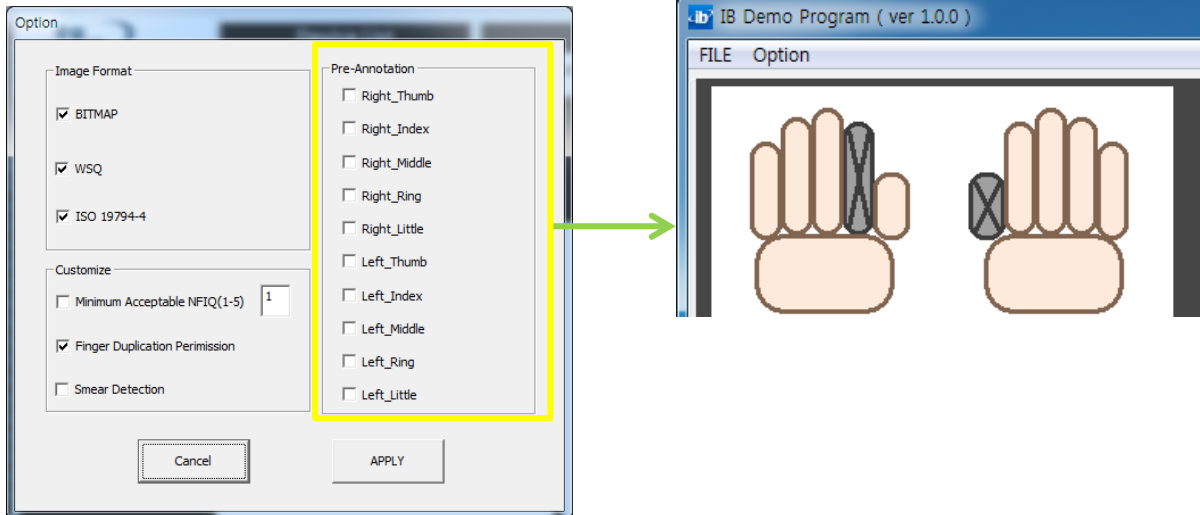


<Saved images >

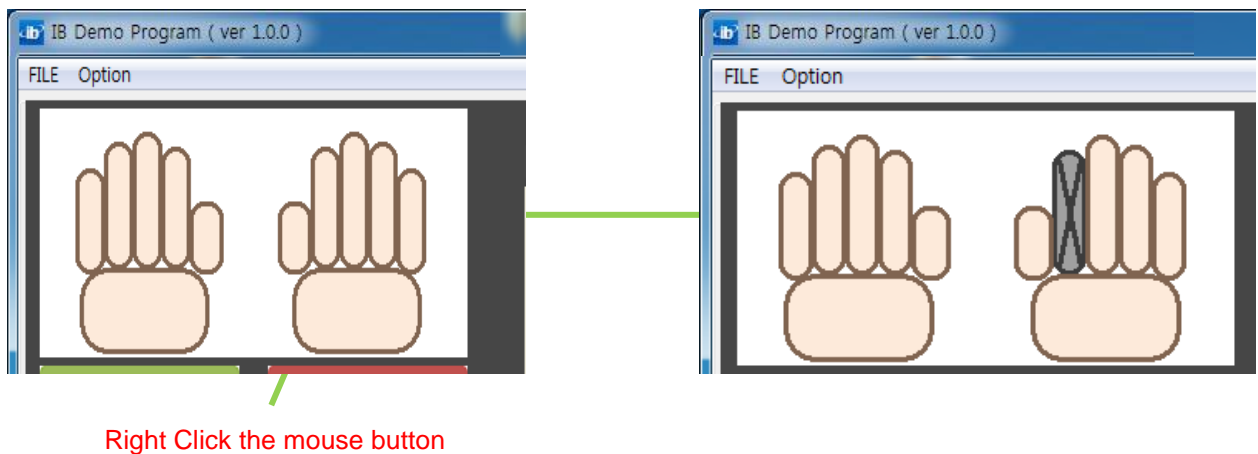


5. How to annotate finger

1. Annotate fingers using the Option

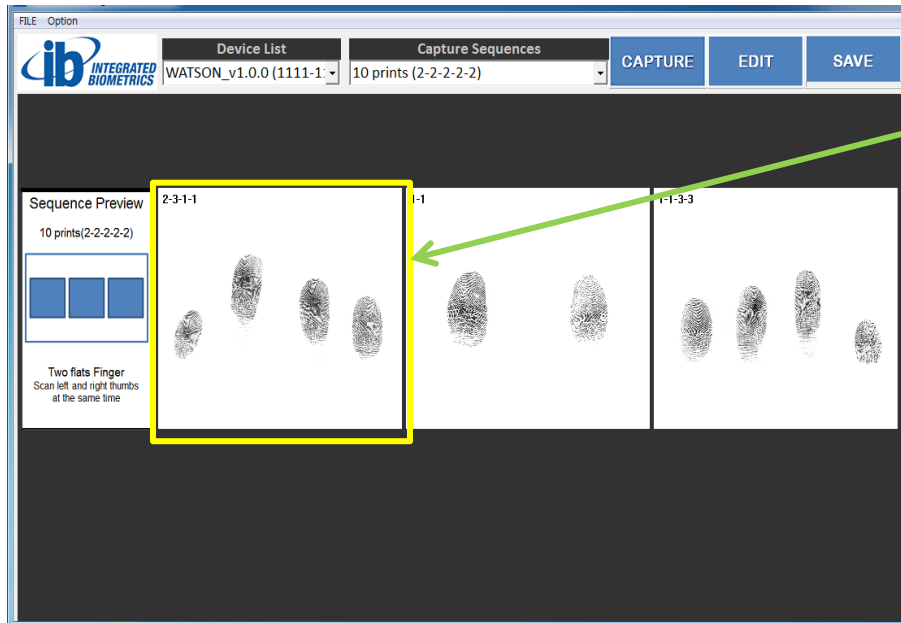


2. Annotate finger from within the "Capture View" by right clicking the mouse button.



6. How to Zoom In-Out

1. Right Click mouse button on main view image to show zoom in-out window



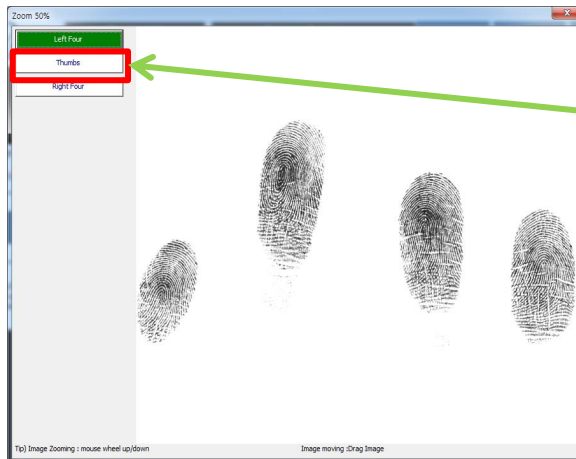
Right Click mouse button

<zoom in-out window>

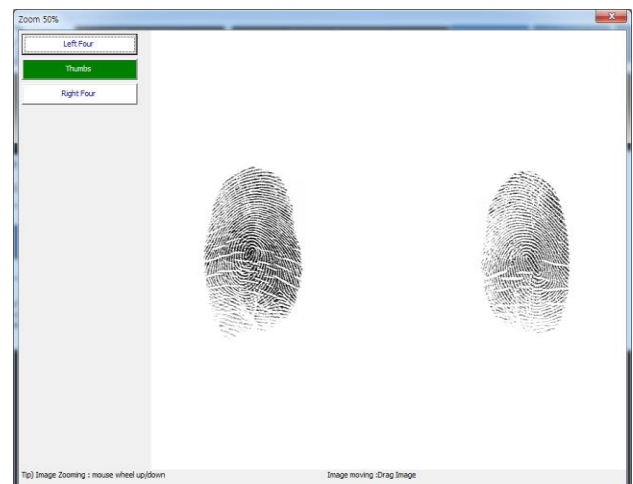


Getting Started Guide

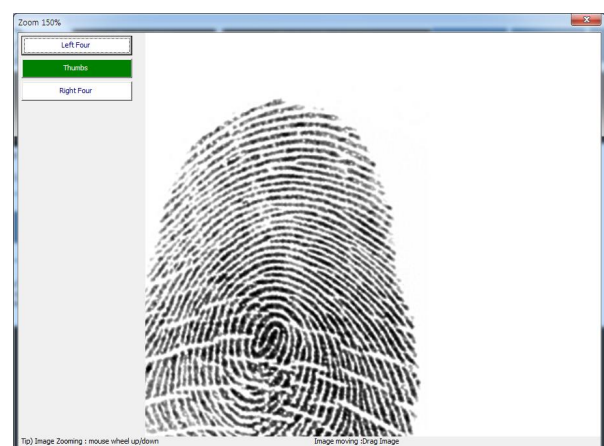
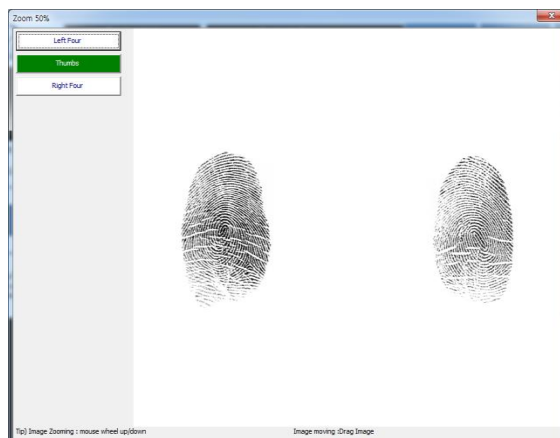
2. If you want to see other image, you can select that button.



If you want to see "Thumbs" image, you can click "Thumbs" button

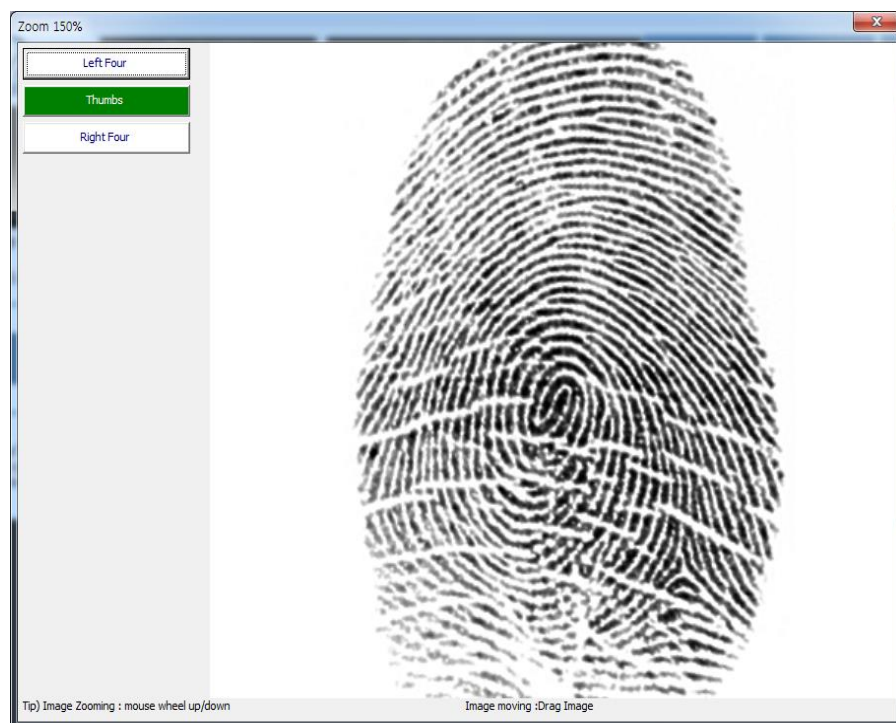
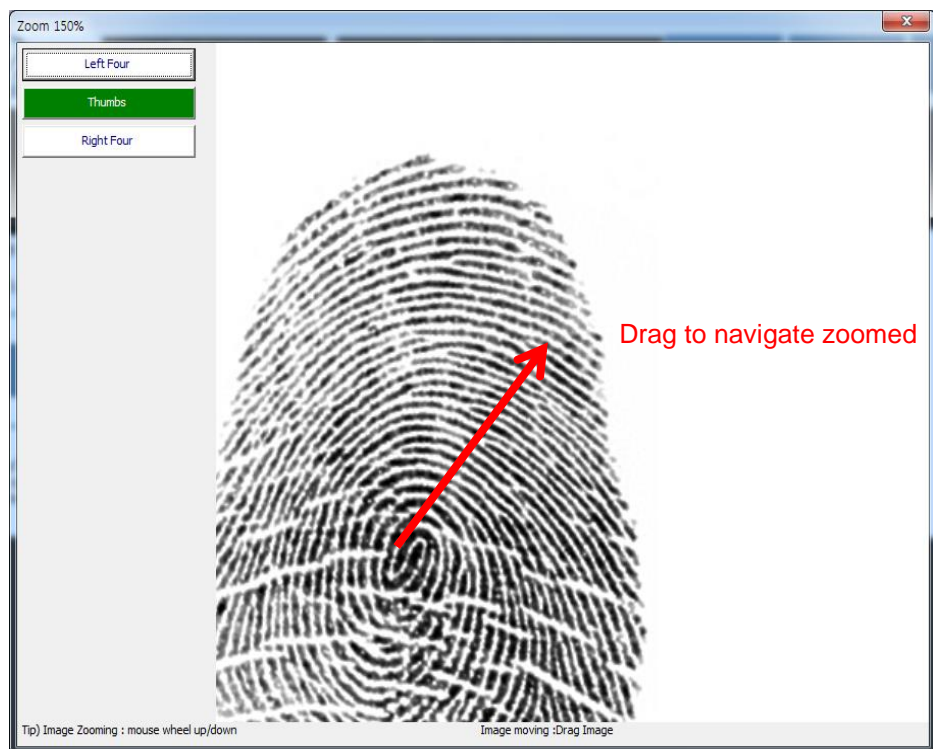


3. Mouse Wheel Up/Down to zoom in or out

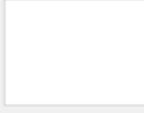
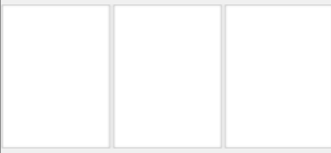
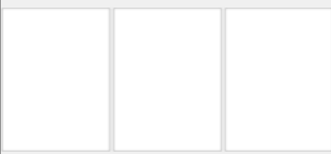



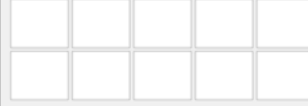
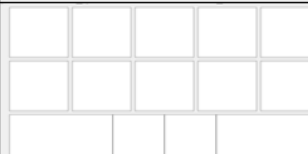

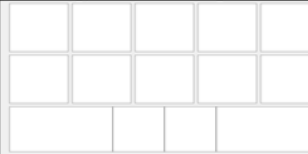
Getting Started Guide

4. Left Click and move mouse to navigate the zoomed image


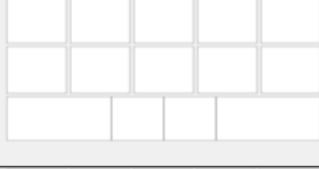
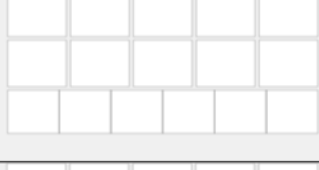



7. Capture sequence description

Capture sequence name	Layout image	signification
1 prints(both thumbs)		Scan 1 image : Two Flats Finger (Both thumbs)
10 prints (2-2-2-2-2)		Scan 3 images : Two Flats Finger(Both thumbs) (Left Four, Right Four and Two Thumbs) - Scan left and right thumbs at the same time
10 prints (2-2-2-2-1-1)		Scan 3 images : Two Flats Finger (Left Four, Right Four and Two Thumbs) - Scan left and right thumbs separately
10 prints using one flat finger		Scan 10 images: One flat finger

Capture sequence name	Layout image	signification
10 prints using one rolled finger		Scan 10 images: One rolled finger
20 prints (2-2-2-2-2-flats)		Scan 14 image: One flat finger 10 images and Two flats finger (Left Four, Right Four and Two Thumbs) - Scan left and right thumbs at the same time
20 prints (2-2-2-2-1-1-rolled) +scan 14 images		Scan 14 image: One rolled finger 10 images and Two flats finger (Left Four, Right Four and Two Thumbs) - Scan left and right thumbs separately
20 prints (2-2-2-2-2-rolled)		Scan 14 image: One rolled finger 10 images and Two flats finger (Left Four, Right Four and Two Thumbs) - Scan left and right thumbs at the same time

Getting Started Guide

Capture sequence name	Layout image	signification
2 prints(thumbs)		Scan 2 Thumbs (Left, Right thumbs) One flat finger 2 images (Left Thumb and Right Thumb)
4 prints (thumbs + indexes)		Scan 4 image (thumbs-indexes) : One flat finger 4 images (Left Thumb, Left Index, Right Thumb and Right Index)
20 prints (2-2-2-2-1-1-rolled) + scan 16 images		Scan 16 image: One rolled finger and Two flat finger - Scan left and right thumbs separately
20 prints (2-2-2-2-2-1-1-rolled)		Scan 19 image: One rolled finger and Two flats finger - Scan left and right thumbs at the same time after Scan left and right thumbs separately

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