How To Use IB Demo Program

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7. CAPTURE SEQUENCE DESCRIPTION

1 .Supported features

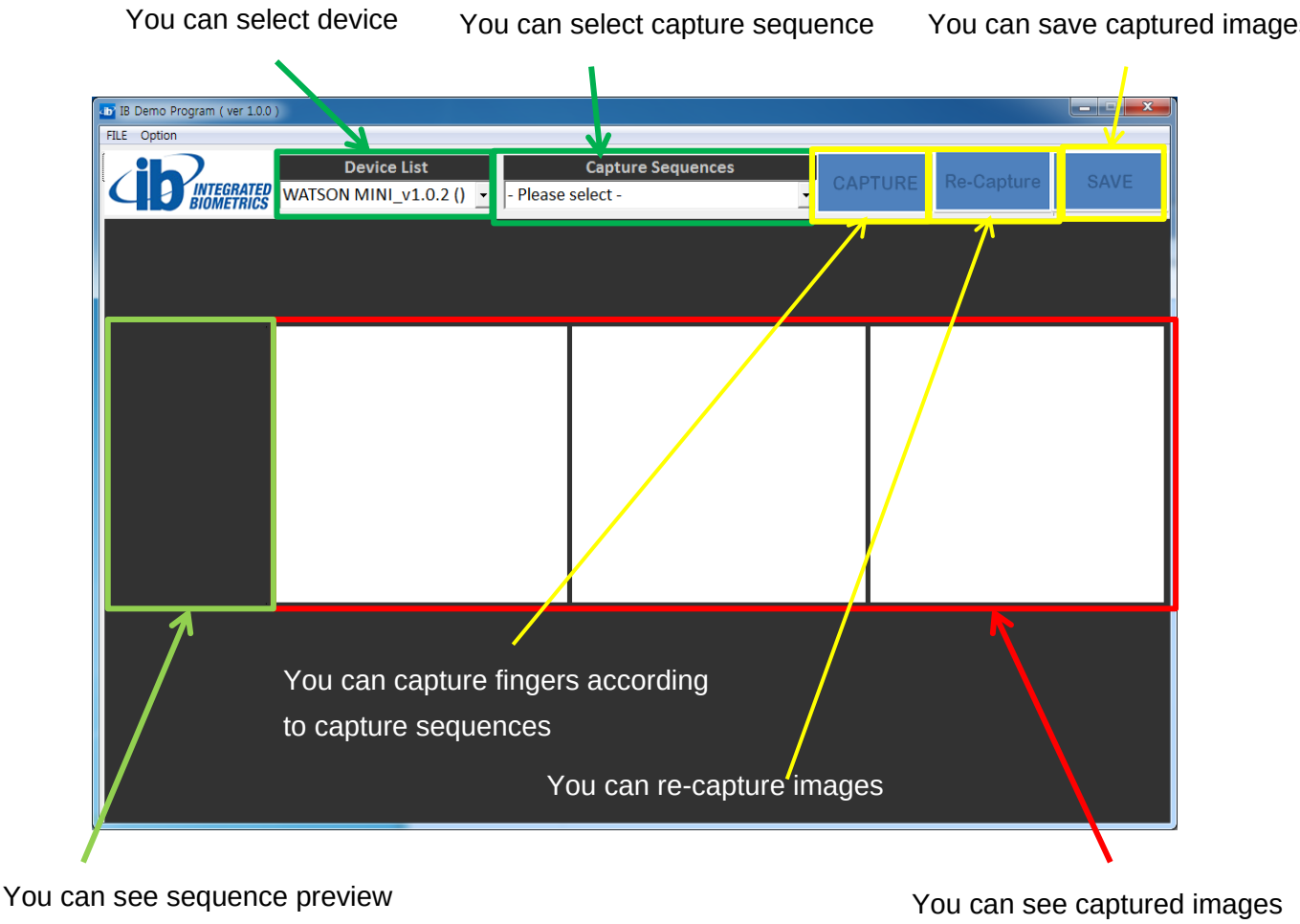
Item	1.0.0	Remark
Save bmp image	O	
Save wsq image	O	
Save ISO 19794-4 image	O	
NFIQ	O	
Image zoom-in out	O	
Checking Duplicate	O	
Checking Finger position	O	
Smear Detection(Add to 09/30)	O	

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℃ ~ 55℃
	Humidity		20 ~ 95 %RH < 40℃, 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

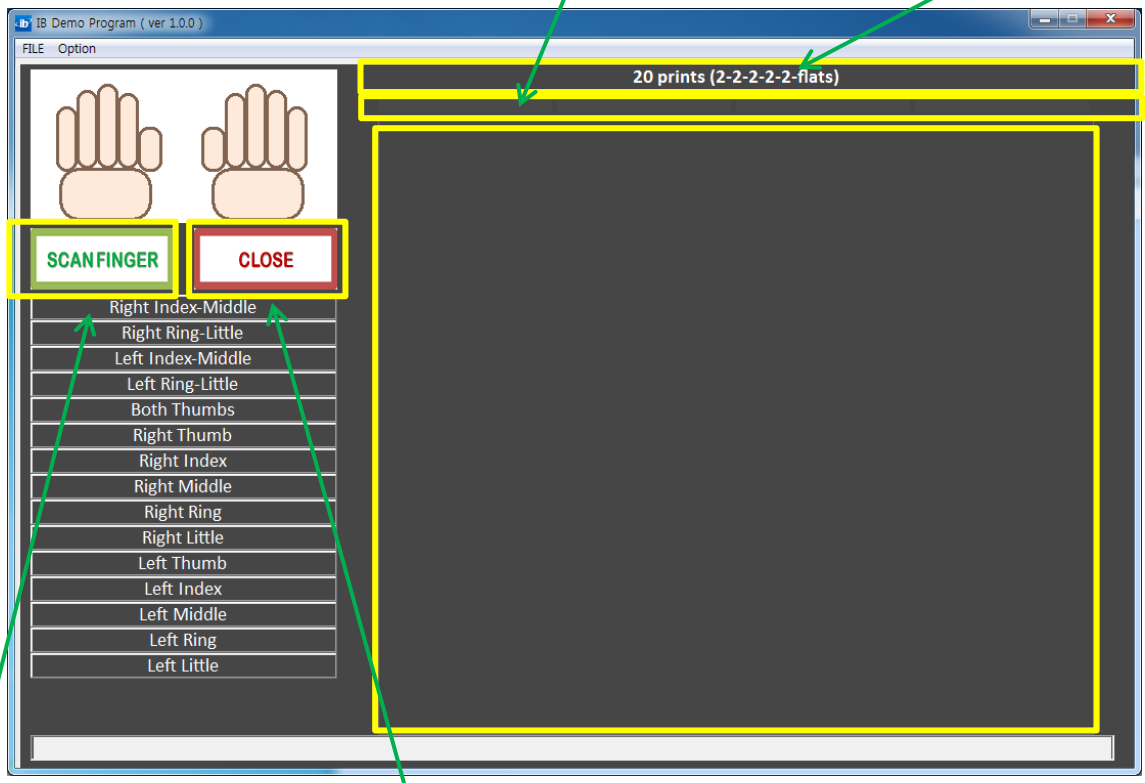
2.1 Main View



2.2 Capture View

You can see finger quality

You can see capture sequence

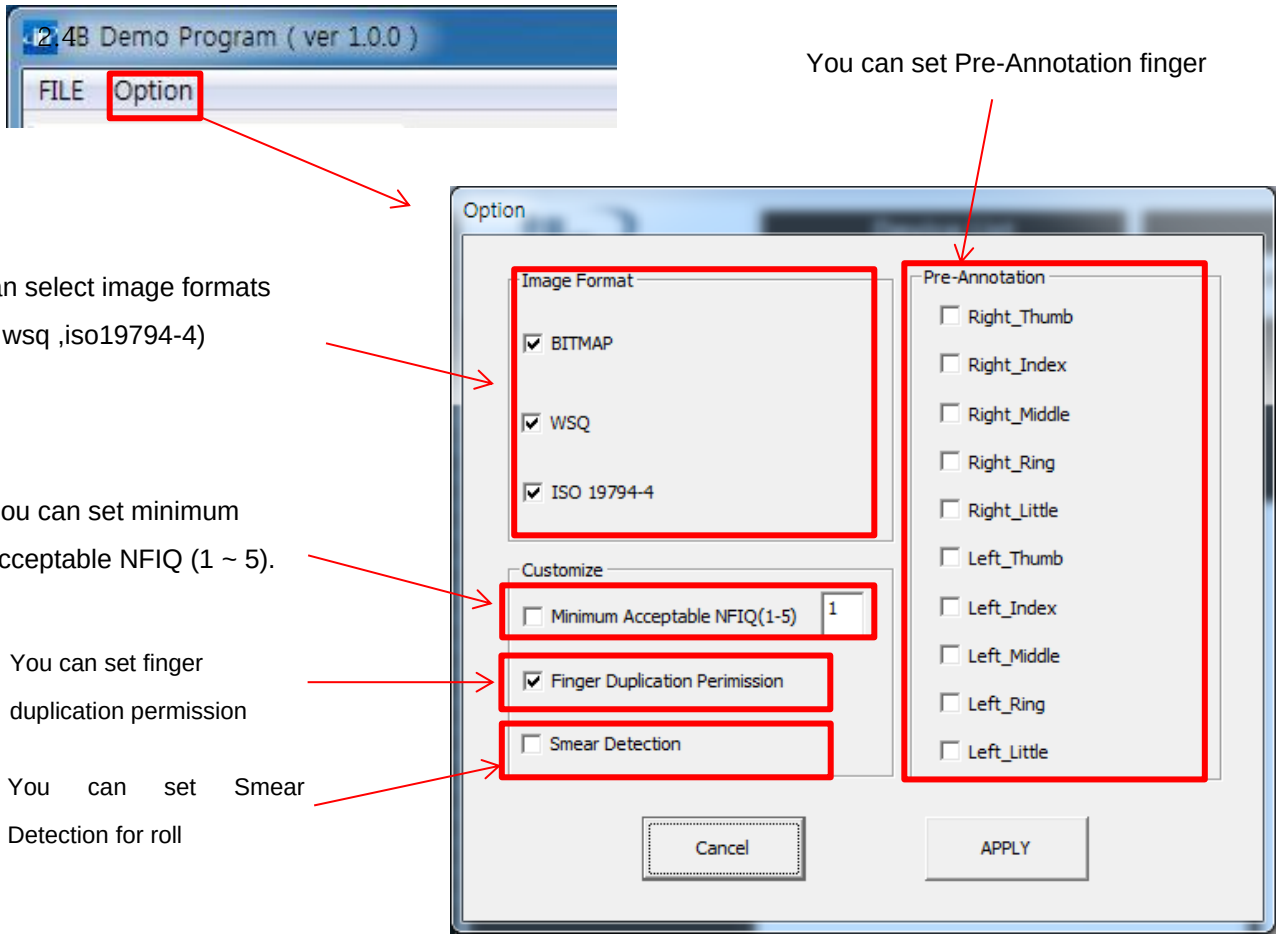


You can start capture finger

You can return to main view

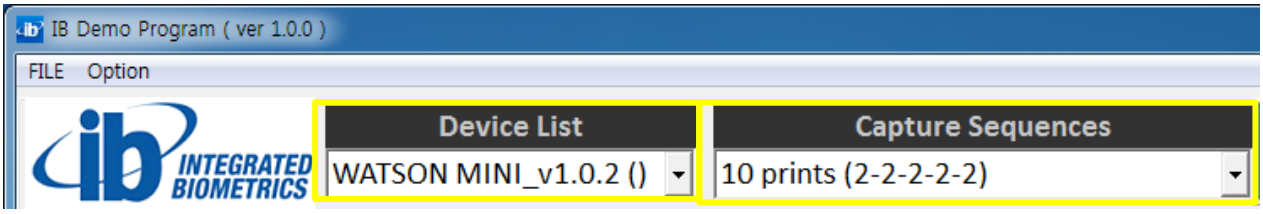
You can see capture image

2.3 Option View

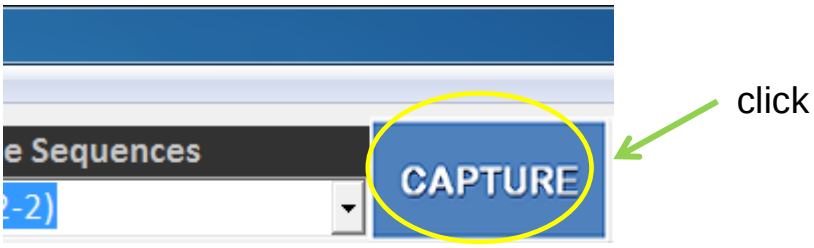


3. How to Scan finger

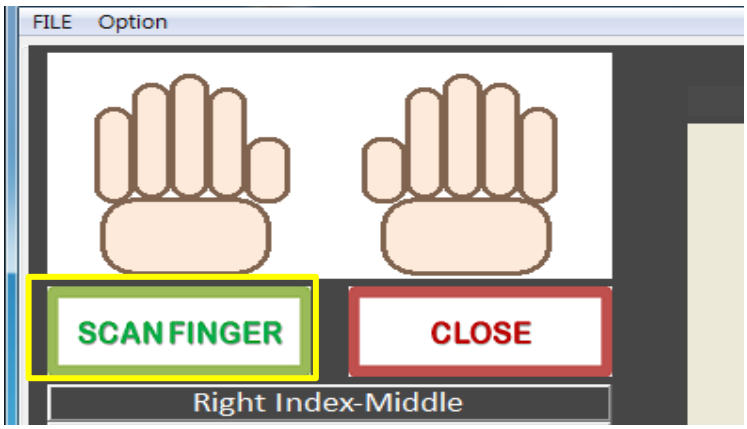
1. Select device and capture sequence you want to scan



2. Select “Capture” button.



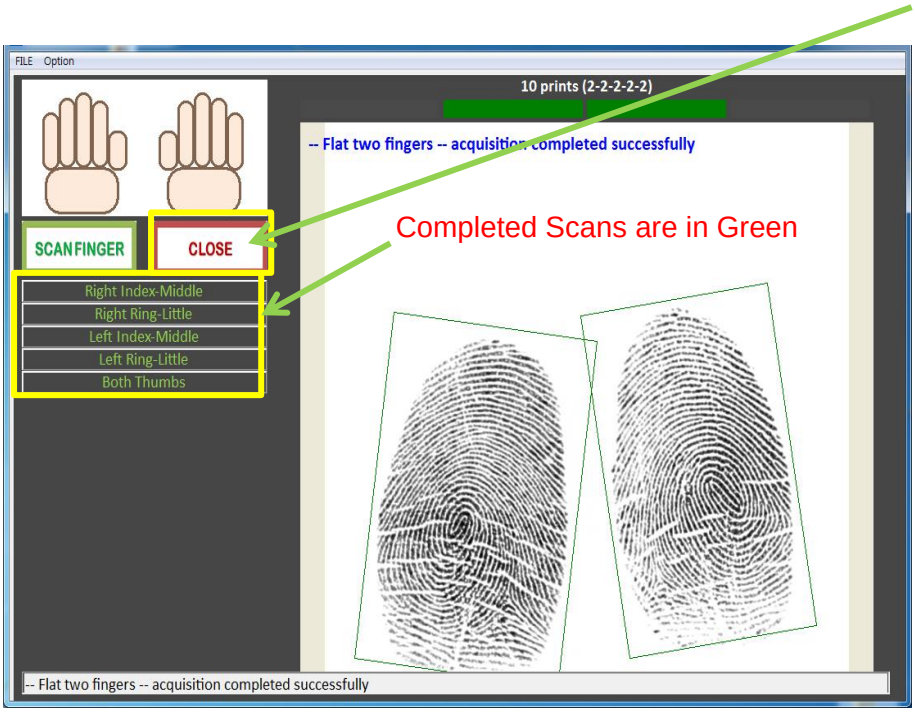
3. Click “Scan fingers” button to proceed capture sequence



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

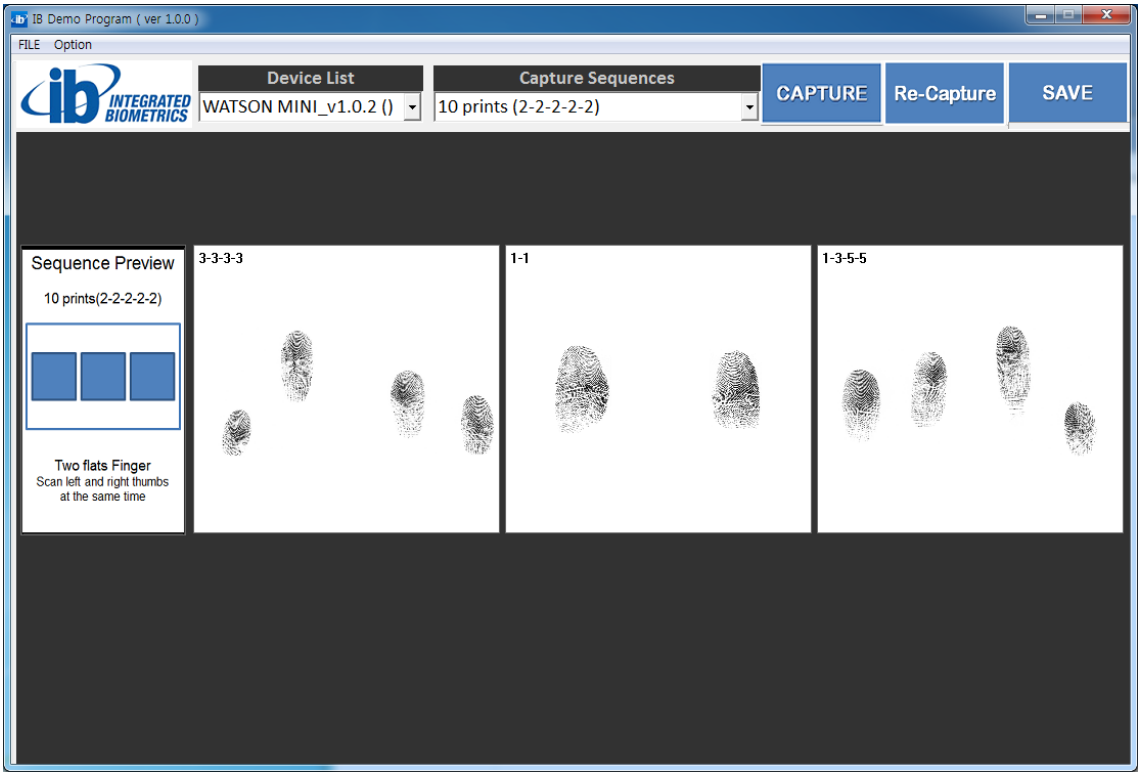


5. Once you input all fingers, the capture sequence will be finished.

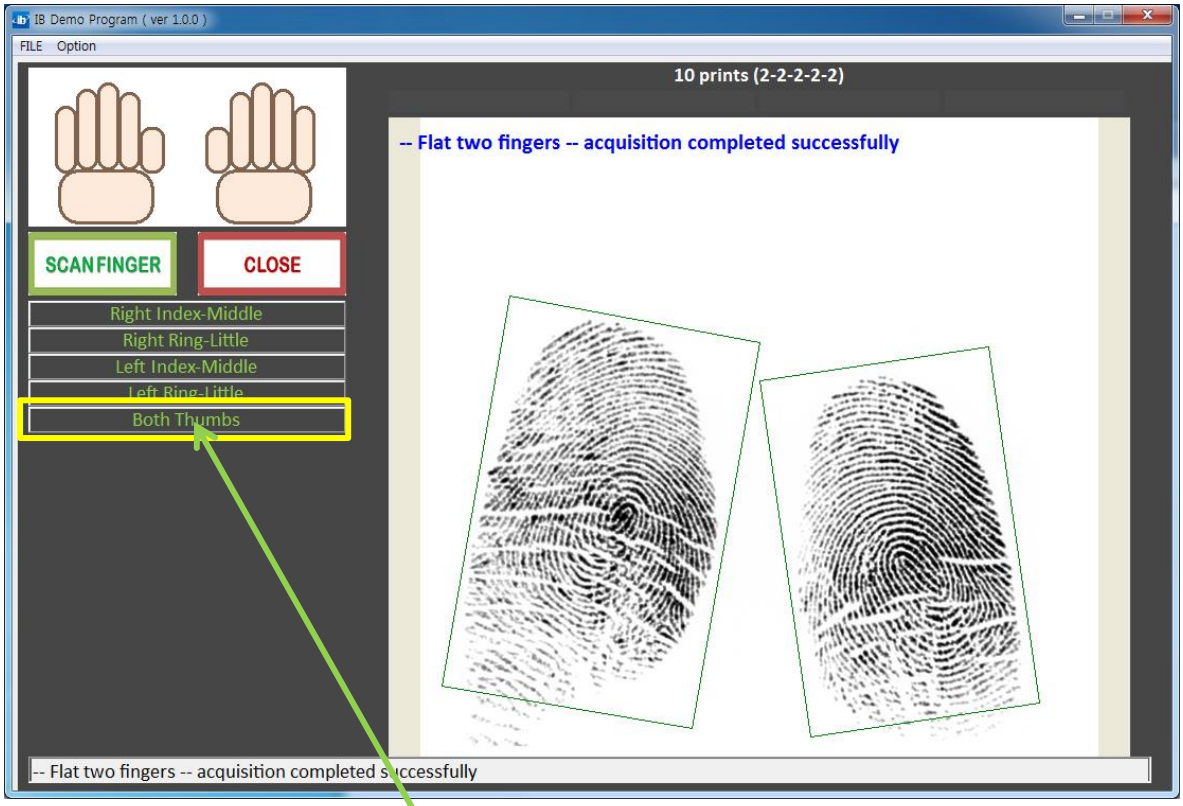


If you want to go back to main view, click “Close” button.

< Main view >



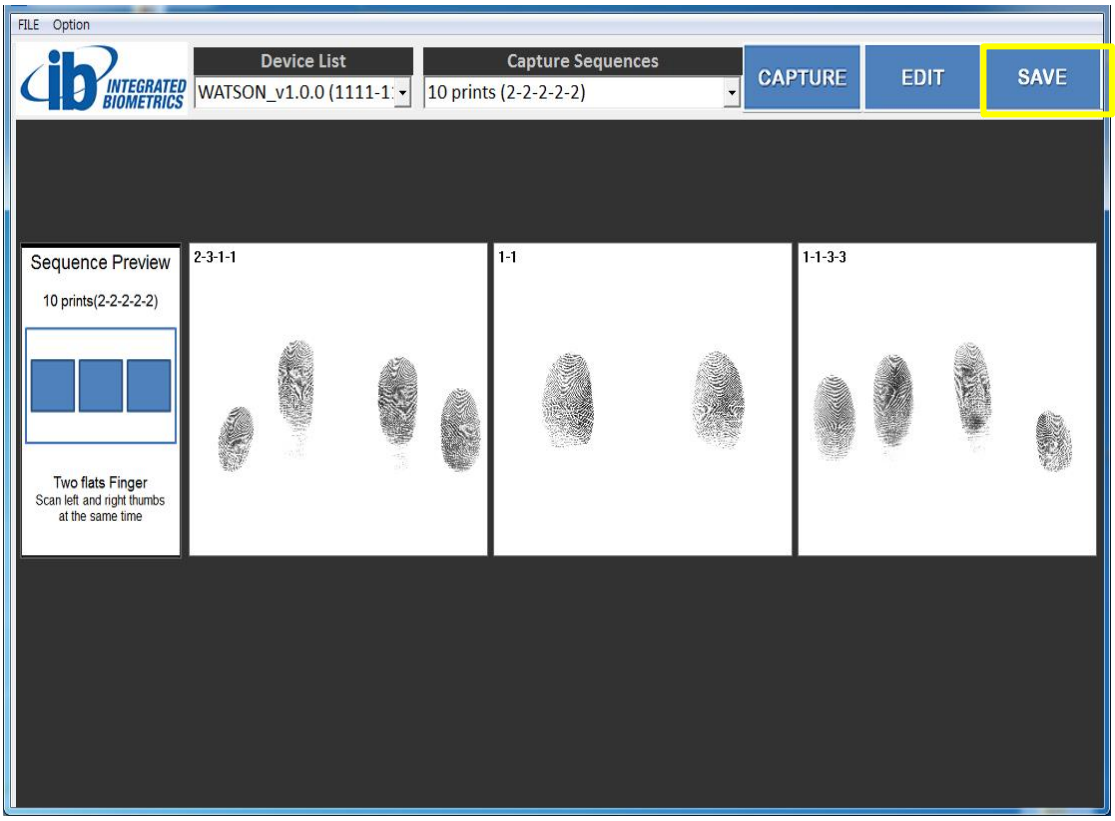
6. If you want to capture specific sequence again, you can click that button.



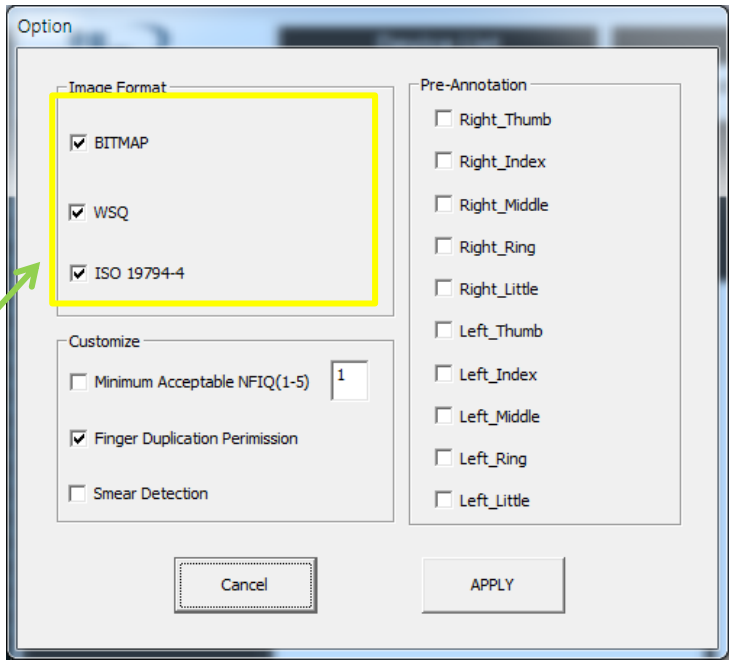
If you want to capture “Both thumbs” again, you can click “Both thumbs” button and capture again.

4. How to save images

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

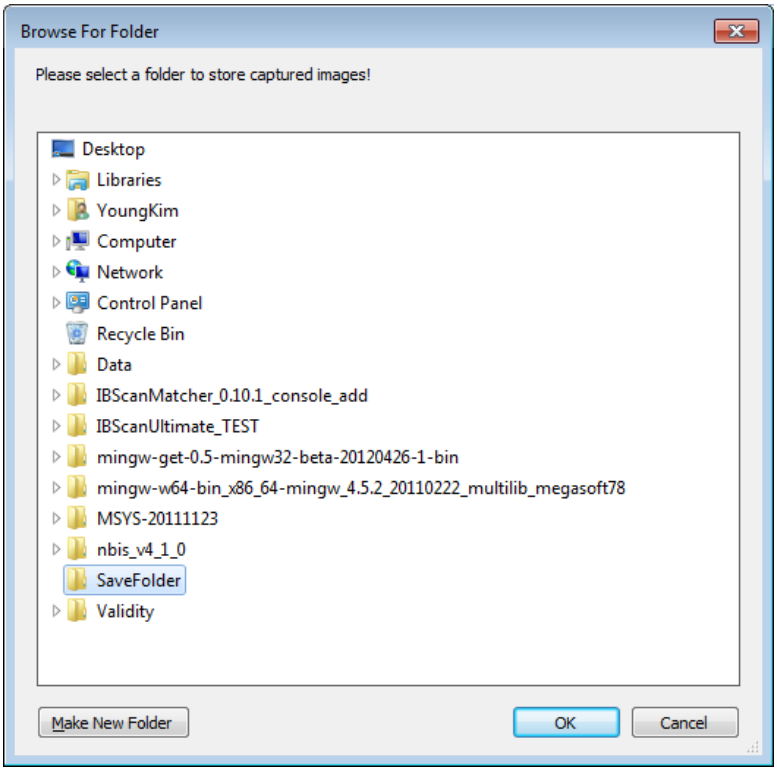


< Option menu >

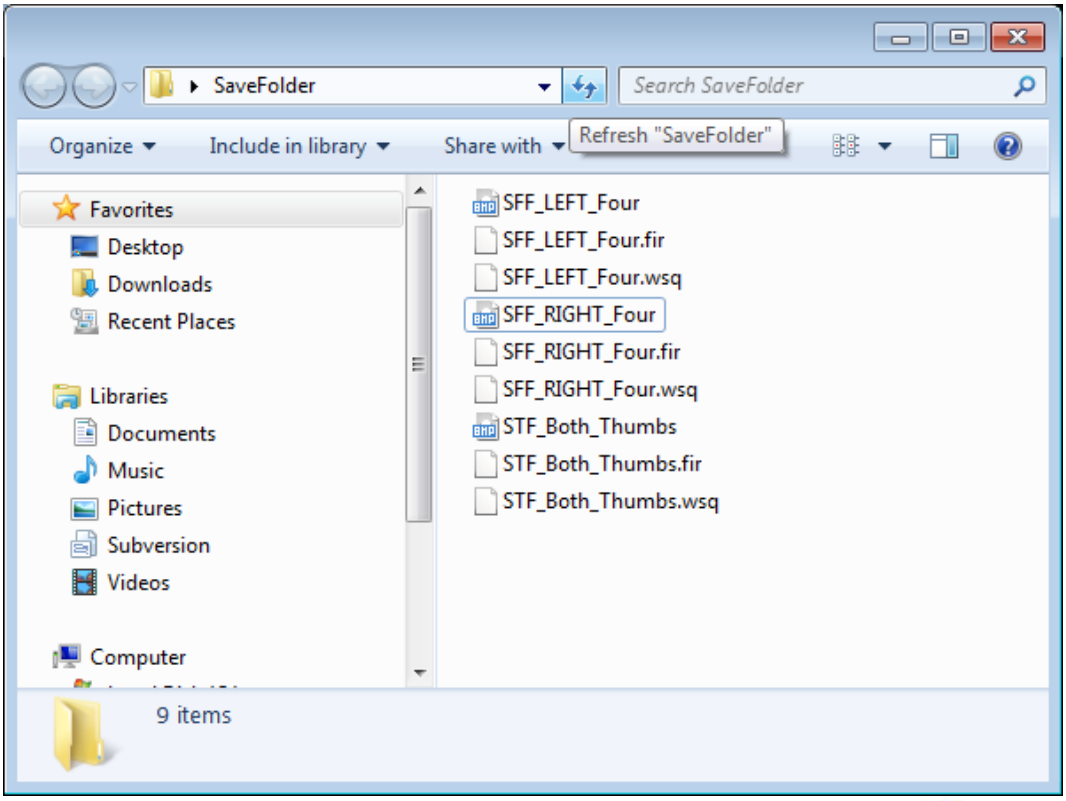


You can select image formats

2. Select folder path to save images

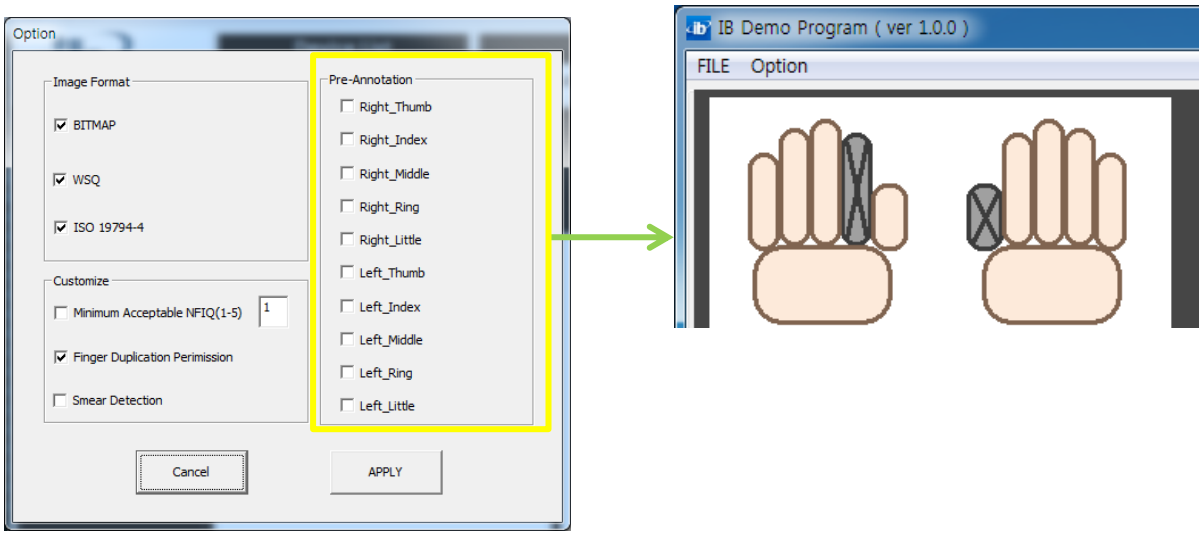


<Saved images >

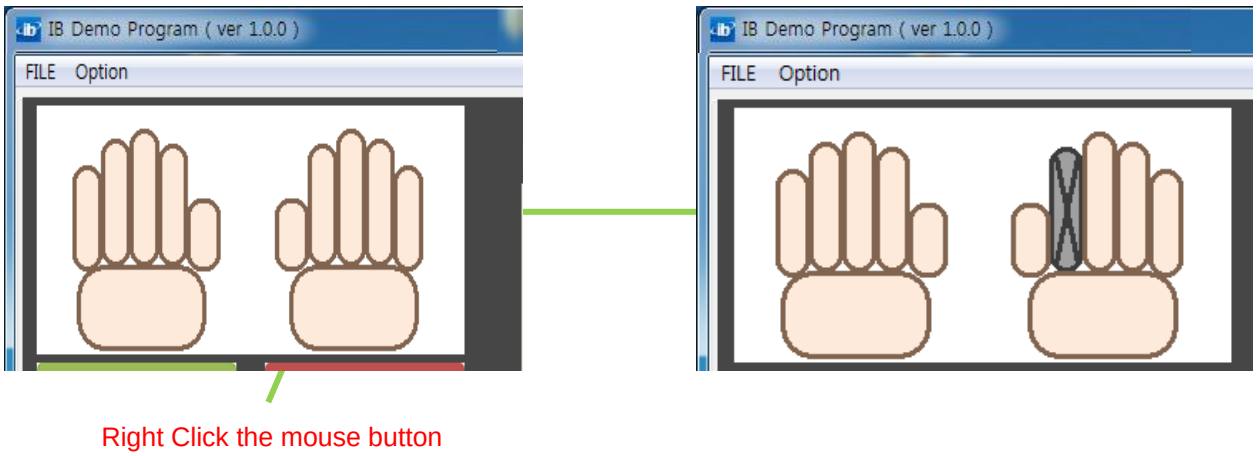


5. How to annotate finger

1. Annotate fingers using the Option

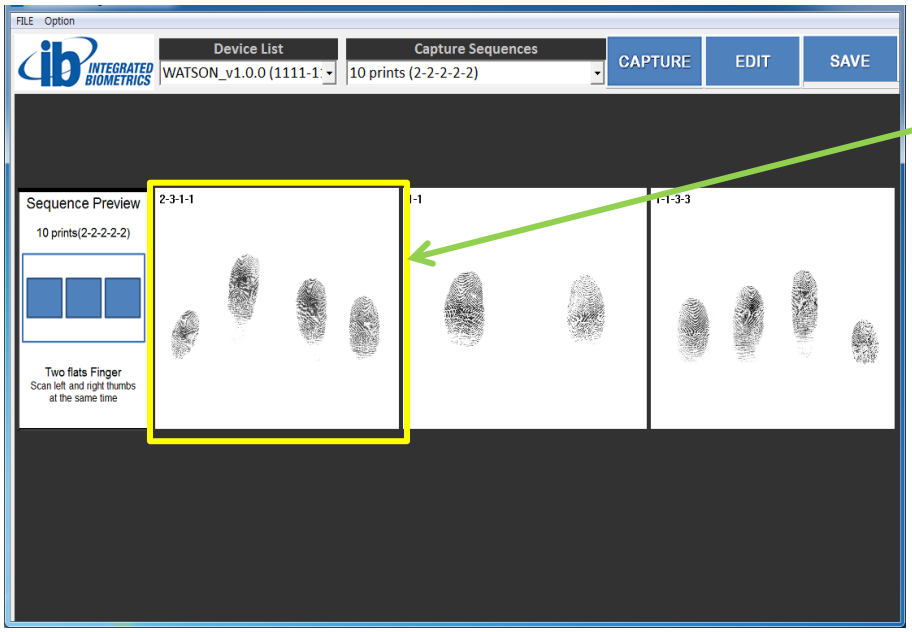


2. Annotate finger from within the “Capture View” by right clicking the mouse button.



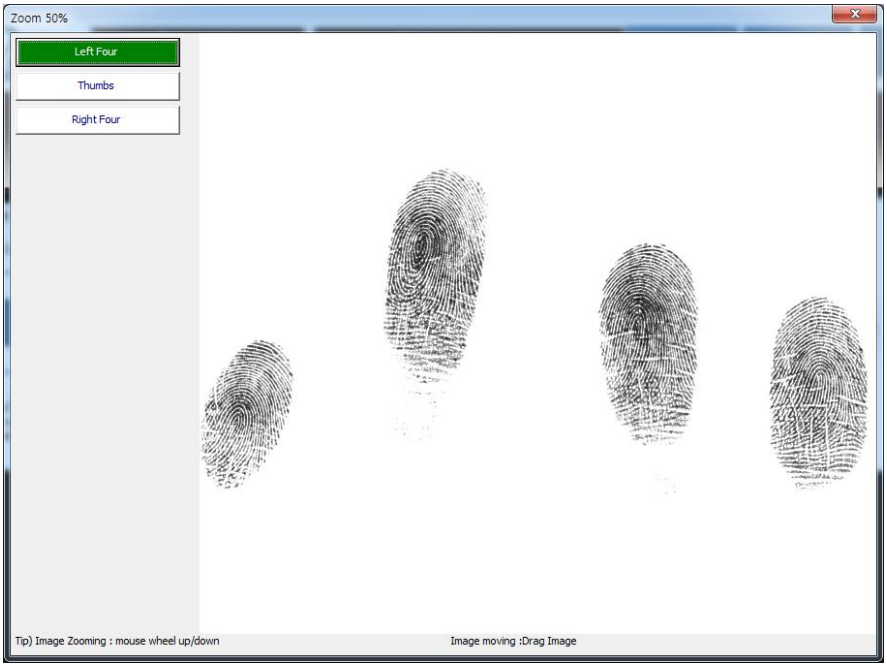
6. How to Zoom In-Out

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



Right Click mouse button

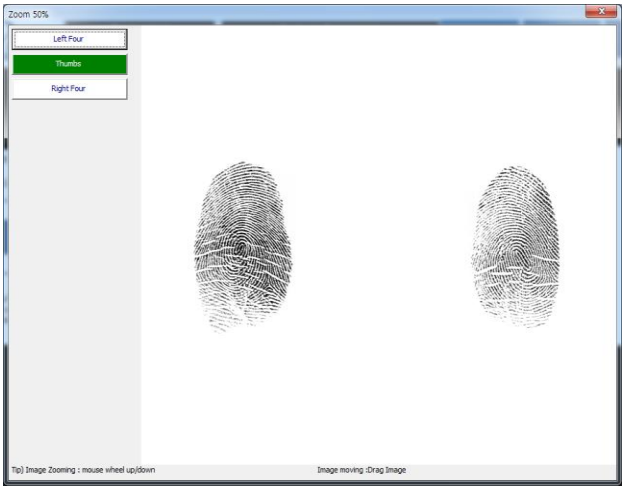
<zoom in-out window>



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

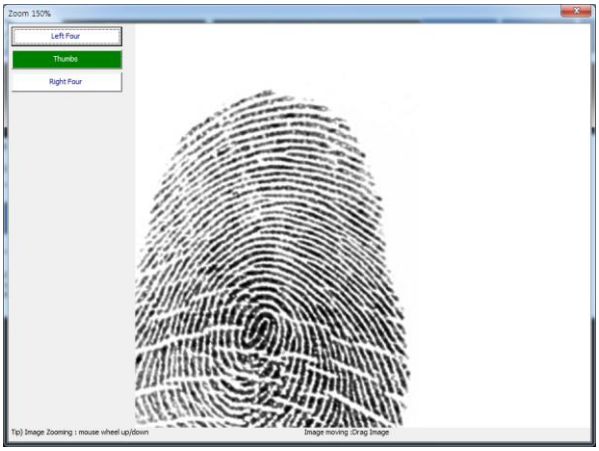


If you want to see “Thumbs” image,
you can click “Thumbs” button

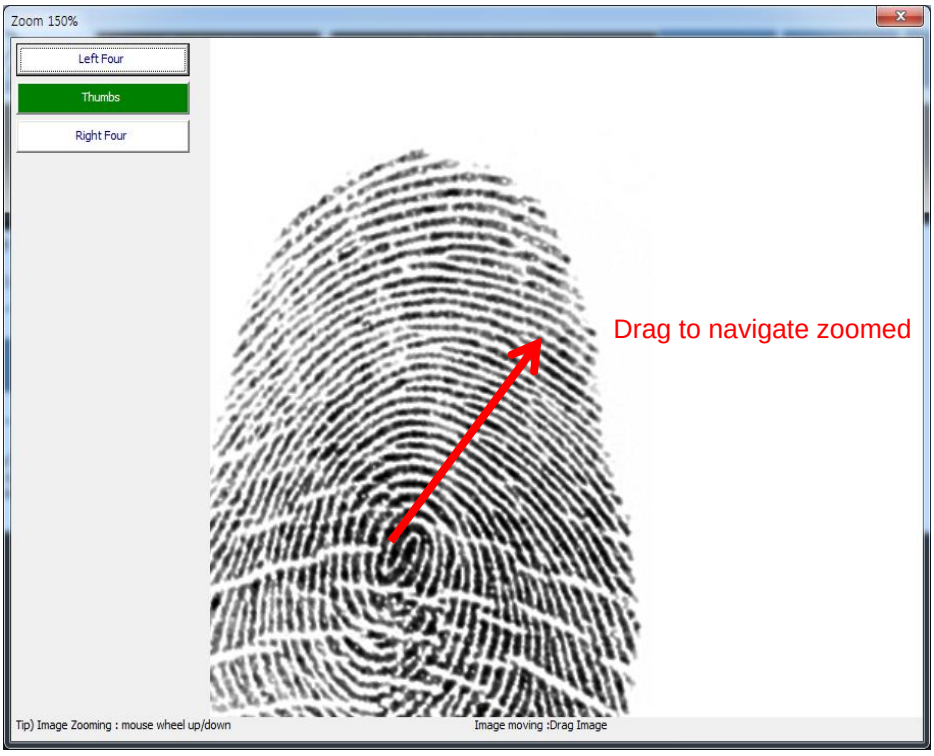


3. Mouse Wheel Up/Down to zoom in or out





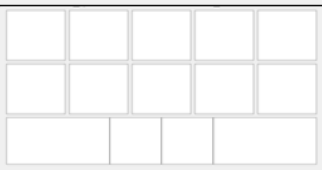
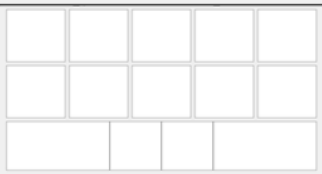
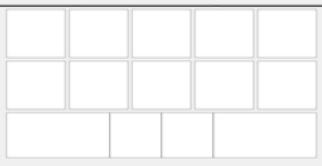
4. Left Click and move mouse to navigate the zoomed image

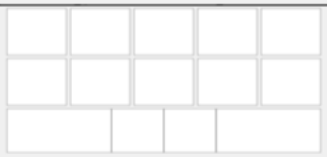
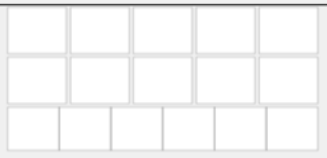
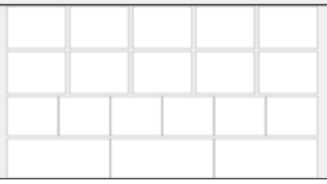




7. Capture sequence description

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

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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