

1.0 UI

The UI as shown in Figure 1.

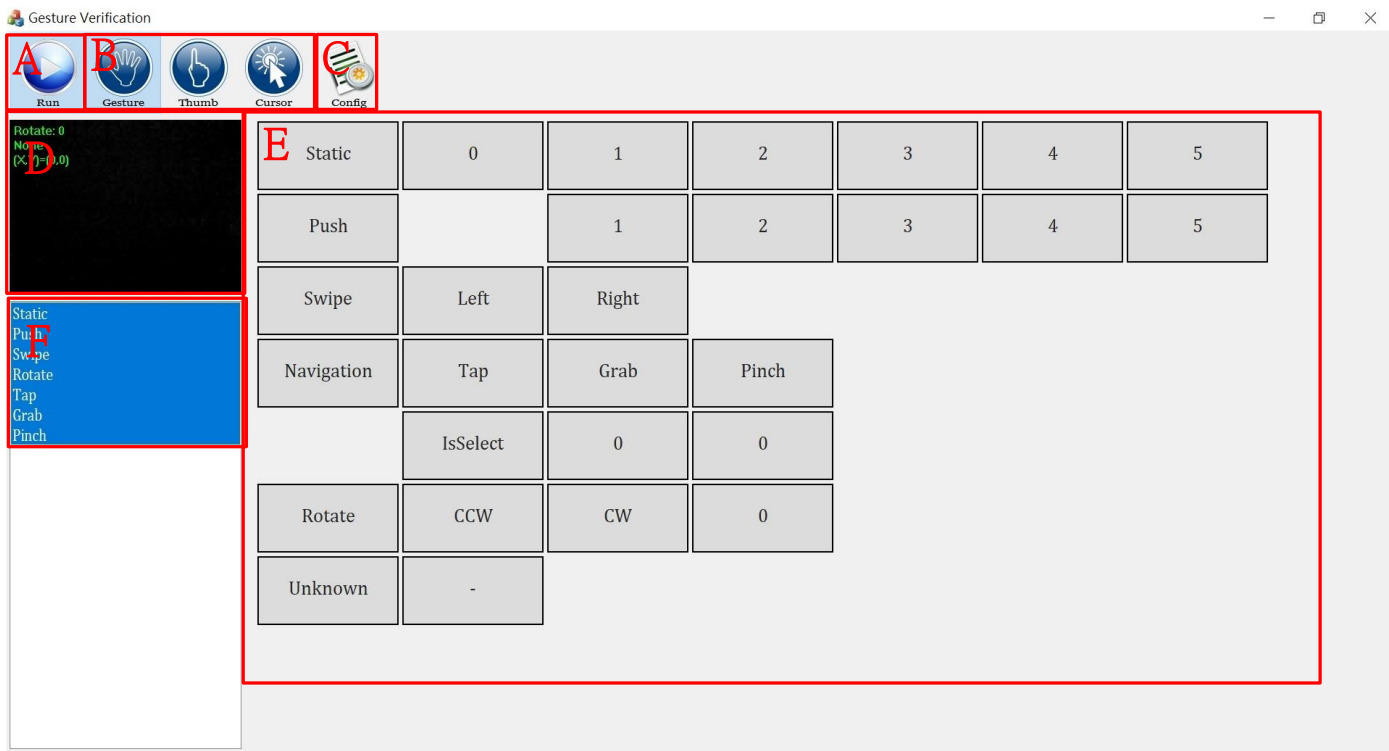


Figure 1. Config Page Support Functions

The config page is divided into 7 areas, which are described as follows:

- A: Run/Stop button
- B: Gesture mode/Thumb mode/Cursor mode Buttons
- C: Config for Register configuration
- D: Real image output
- E: Gesture result
- F: "Click" to enable/disable Gesture function selection

The operation procedures as follow:

1. Select the gesture mode , the thumb mode or the cursor mode in B-box.
2. Modify register setting in C-box if applicable
3. Run to start in A-box
4. Perform Gesture within sensor FOV.
5. Output detail Display in D, E Box
6. Stop to end

1.1 Gesture Mode

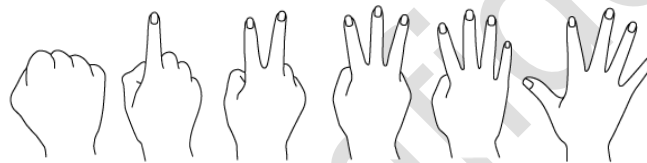
Click Gesture icon to run Gesture mode (mode 5)



The mode 5 support 7 gesture types as below table

Mode	Default Connection	Gesture Types
5	Gesture Mode (Default)	Static Push Swipe Rotate Tap (IS_SELECT flag = 1) Pinch (IS_SELECT flag = 1) Grab (IS_SELECT flag = 1)

Static Finger



When N-Finger (N=0~5) in front of sensor, the Demo AP will show result as below

Gesture Verification

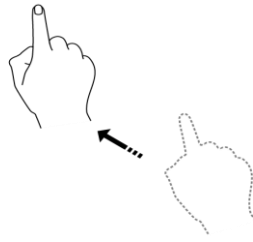
How many fingers

Static	0	1	2	3	4	5
Push		1	2	3	4	5
Swipe	Left	Right				
Navigation	Tap	Grab	Pinch			
	IsSelect	0	0			
Rotate	CCW	CW	0			
Unknown	-					

Rotate: 0
 None
 (X,Y)=(0,0)

Static
 Push
 Swipe
 Rotate
 Tap
 Grab
 Pinch

Push



When N-Finger (N=1~5) + Push, the Demo AP will show result as below

Gesture Verification

Run Gesture Thumb Cursor Config

Rotate: 0
None
(X,Y)=(0,0)

Static	0	1	2	3	4	5
Push		1	2	3	4	5
Swipe	Left	Right				
Navigation	Tap	Grab	Pinch			
	IsSelect	0	0			
Rotate	CCW	CW	0			
Unknown	-					

Static
Push
Swipe
Rotate
Tap
Grab
Pinch

- Swipe



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Gesture Verification

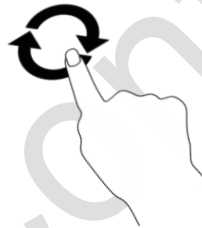
Run Gesture Thumb Cursor Config

Rotate: 0
None
(X,Y)=(0,0)

Static	0	1	2	3	4	5
Push		1	2	3	4	5
Swipe	Left	Right				
Navigation	Tap	Grab	Pinch			
	IsSelect	0	0			
Rotate	CCW	CW	0			
Unknown	-					

Static
Push
Swipe
Rotate
Tap
Grab
Pinch

■ Rotate



Gesture Verification

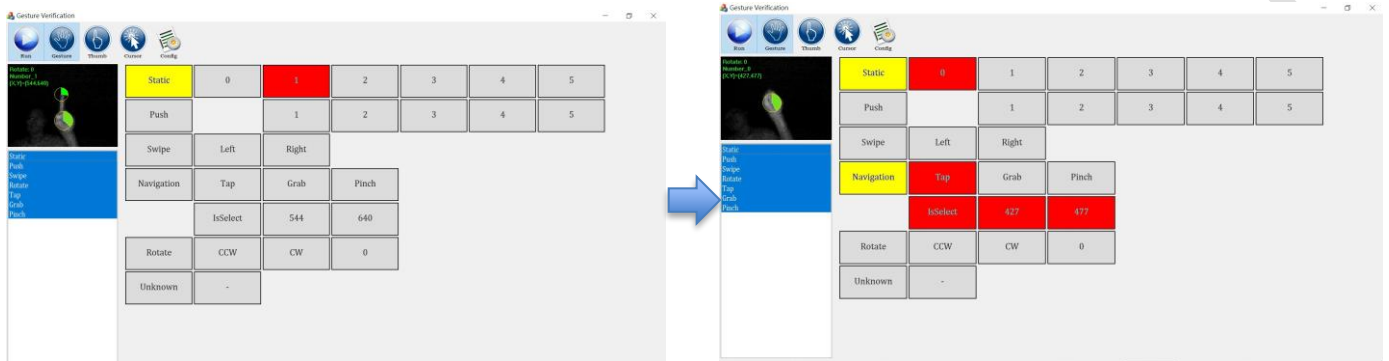
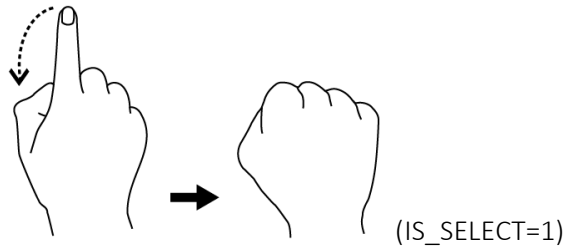
Run Gesture Thumb Cursor Config

Rotate: 0
None
(X,Y)=(0,0)

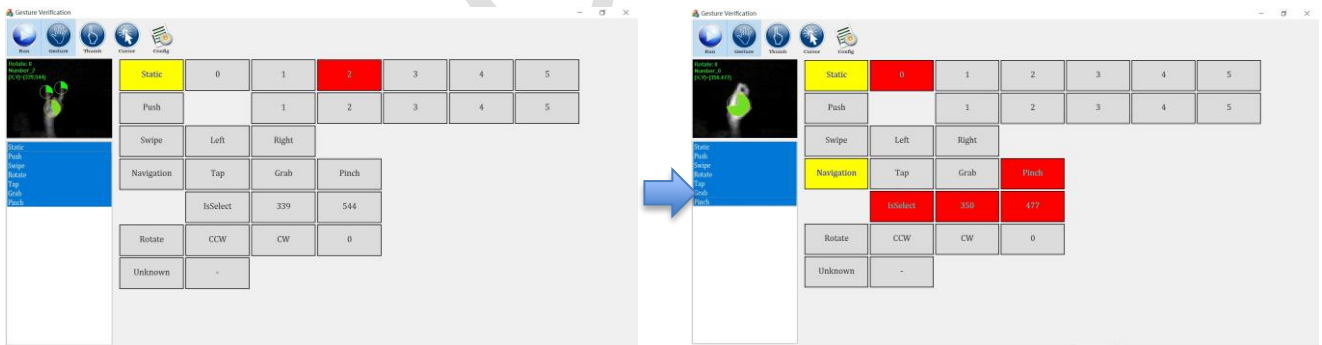
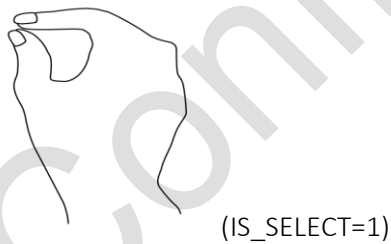
Static	0	1	2	3	4	5
Push		1	2	3	4	5
Swipe	Left	Right				
Navigation	Tap	Grab	Pinch			
	IsSelect	0	0			
Rotate	CCW	CW	0			
Unknown	-					

Static
Push
Swipe
Rotate
Tap
Grab
Pinch

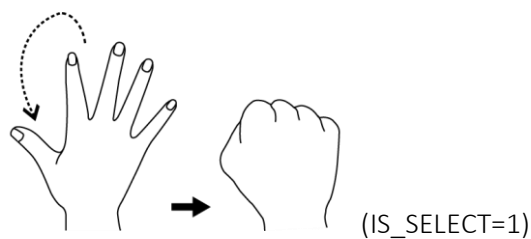
Tap

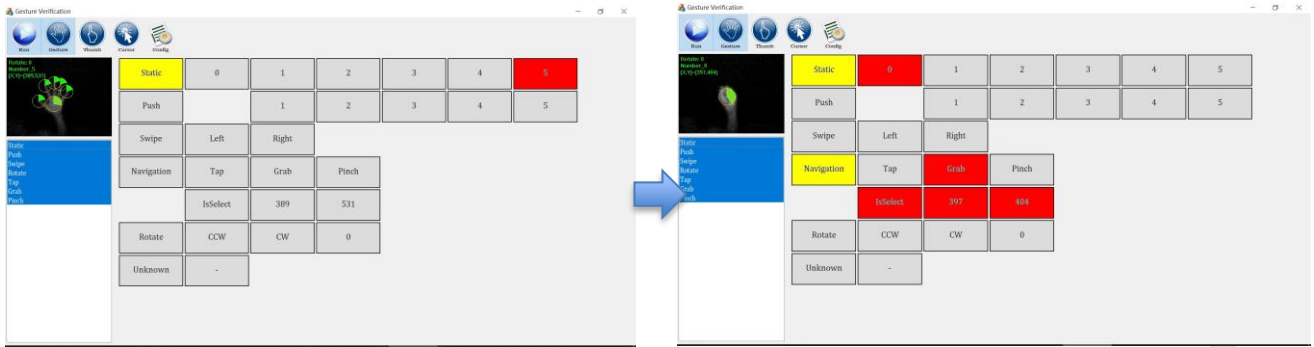


Pinch



Grab





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1.2 Thumb Mode

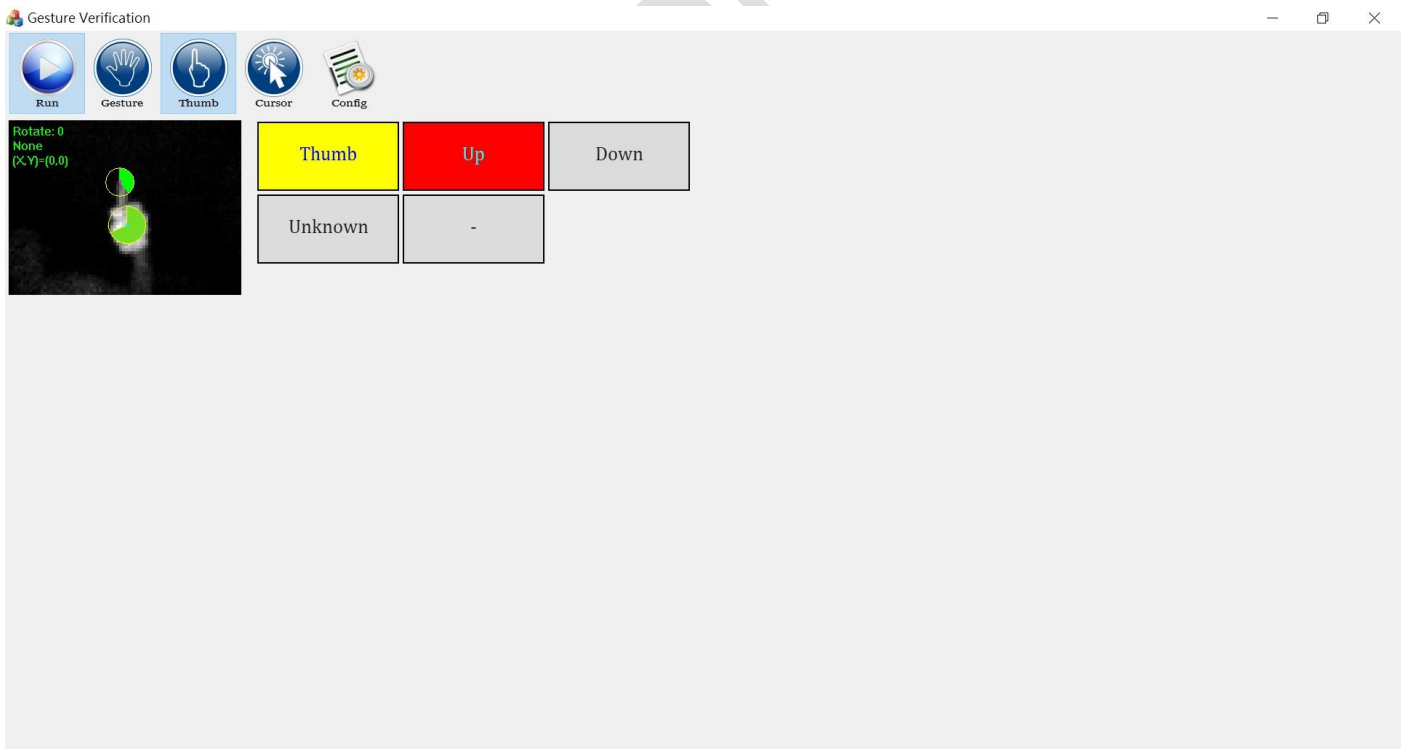
Click Thumb icon to run Thumb mode (mode 2)



The mode 2 supports 2 gesture types as below table

Mode	Default Connection	Gesture Types
2	Thumb Mode	Thumb Up/Down

- Thumb Up



- Thumb Down



Gesture Verification

Run Gesture Thumb Cursor Config

Rotate: 0
None
(<Y)=(0,0)

Thumb	Up	Down
Unknown	-	

A screenshot of the 'Gesture Verification' application. The interface includes a toolbar with icons for 'Run', 'Gesture', 'Thumb', 'Cursor', and 'Config'. Below the toolbar is a small camera view showing a hand with green tracking markers. To the right of the camera is a 2x3 grid of buttons. The top row contains 'Thumb' (yellow), 'Up' (grey), and 'Down' (red). The bottom row contains 'Unknown' (grey) and a hyphen '-' (grey). The 'Down' button is highlighted in red, indicating the current gesture. The application title bar shows 'Gesture Verification' and standard window controls.

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1.3 Cursor Mode

Click Cursor icon to run Cursor mode (mode 4)

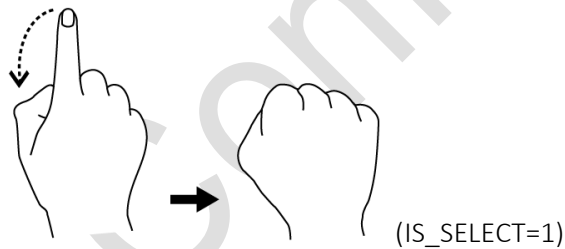


The mode 4 supports 6 gesture types as below table

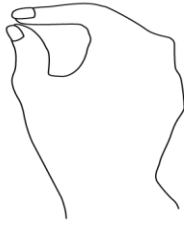
Mode	Default Connection	Gesture Types
4	Cursor Mode	Static Finger (same as mode 5) Push (same as mode 5) Rotate (same as mode 5) Tap Pinch Grab

The Cursor mode is different with Gesture mode items

1. Remove Swipe mode
 2. Output gesture event and coordinate directly
- Tap



Pinch



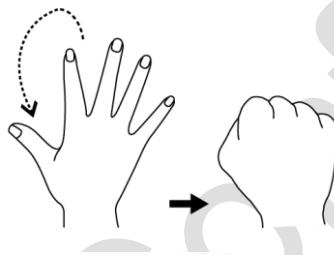
(IS_SELECT=1)

Static	0	1	2	3	4	5
Push		1	2	3	4	5
Navigation	Tap	Grab	Pinch			
	IsSelect	ISS	ISV			
Rotate	CCW	CW	0			
Unknown	-					



Static	0	1	2	3	4	5
Push		1	2	3	4	5
Navigation	Tap	Grab	Pinch			
	IsSelect	ISS	ISV			
Rotate	CCW	CW	0			
Unknown	-					

Grab



(IS_SELECT=1)

Static	0	1	2	3	4	5
Push		1	2	3	4	5
Navigation	Tap	Grab	Pinch			
	IsSelect	ISS	ISV			
Rotate	CCW	CW	0			
Unknown	-					



Static	0	1	2	3	4	5
Push		1	2	3	4	5
Navigation	Tap	Grab	Pinch			
	IsSelect	ISS	ISV			
Rotate	CCW	CW	0			
Unknown	-					

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