

1. Calibration

1. Click on the calibration icon  to get the calibration table.

2. Move the cursor out of the calibration table to start the calibration.

1) The live image should be the calibration slide or some known dimensions specimen at this moment.

2) Draw a line to get a reference length.

3. Enter the actual length of the line drawn in Step2. Three units options available: CM, MM and UM.

4. Select the objective magnification in "Zoom" option.

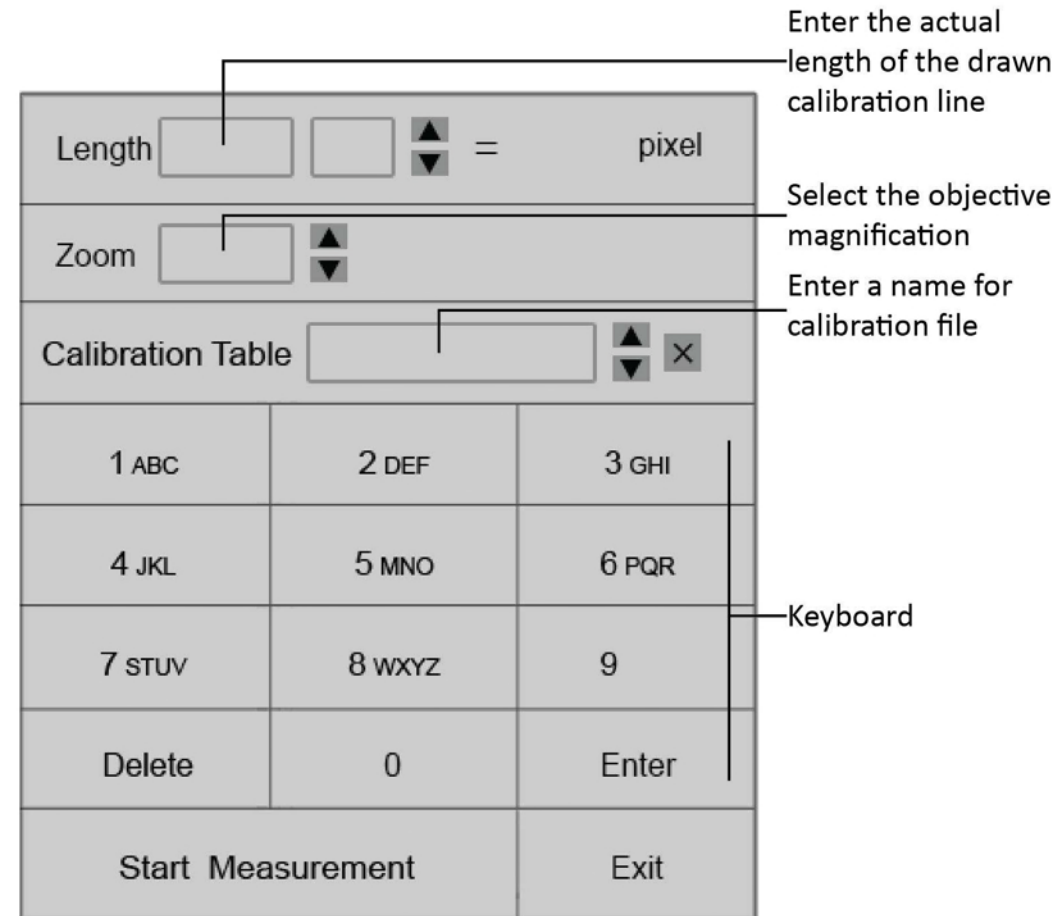
1) This data just need to be entered if the user will use the same camera to get images at different objective settings and do the measurement for them. In this case, no need to create calibration files for images at all the objective settings, just change "Zoom times" to get the corresponding calibration file.

2) If only need to use one objective in your application, select "N/A" for "Zoom".

5. Click on the rectangle area next to the "Calibration Table" to enter a name for the newly created calibration file. Click on "Enter" key to confirm the name.

[Allow to create 10 calibration files.](#)

6. If already have calibration file, go to "Calibration Table" to select the correst calibration file and click on "Start Measurement" to do the measurement.



Enter the actual length of the drawn calibration line

Select the objective magnification

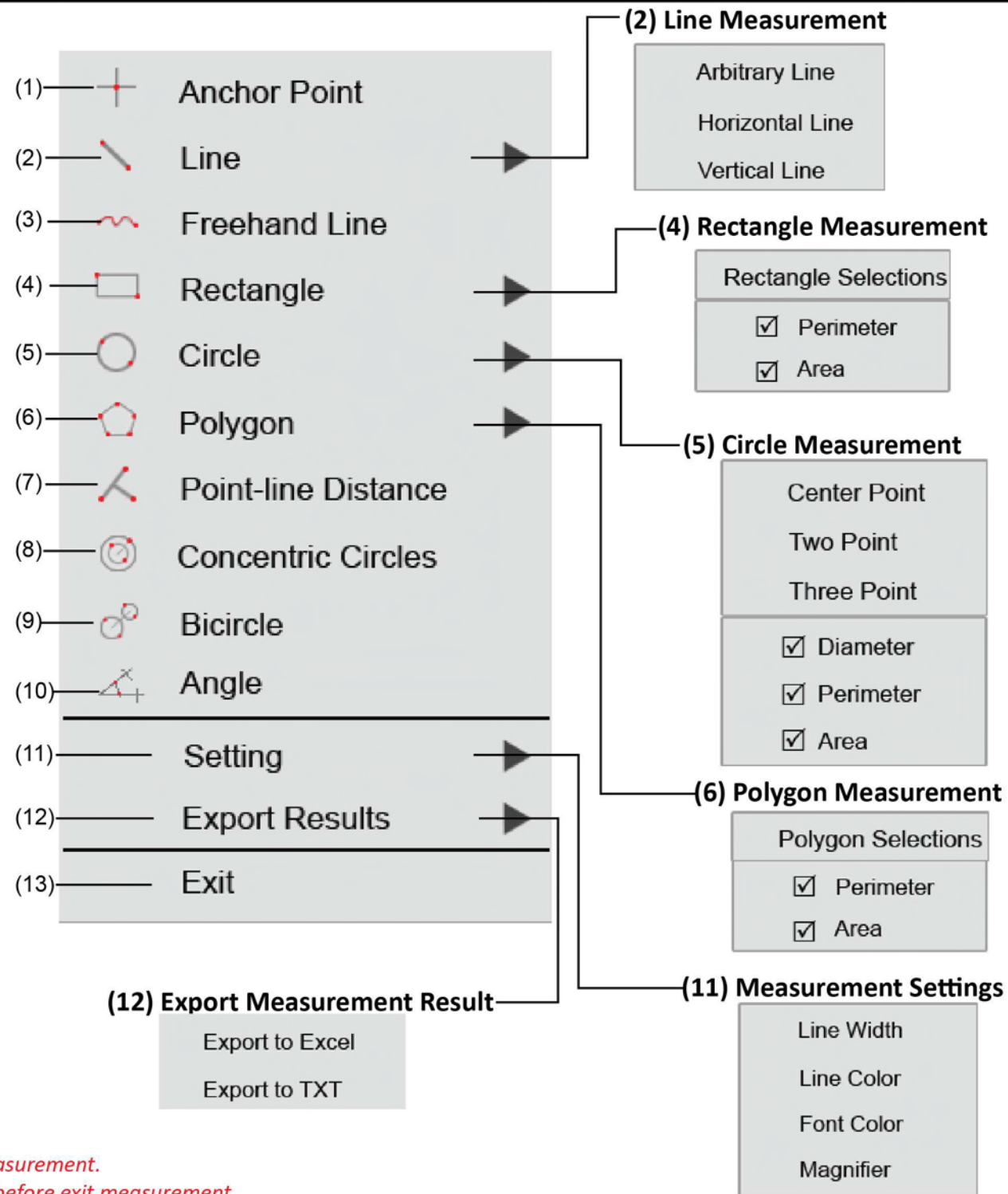
Enter a name for calibration file

Keyboard

Length	<input type="text"/>	<input type="text"/>	▲▼	=	pixel
Zoom	<input type="text"/>	▲▼			
Calibration Table	<input type="text"/>	▲▼	✕		
1	ABC	2	DEF	3	GHI
4	JKL	5	MNO	6	PQR
7	STUV	8	WXYZ	9	
Delete		0		Enter	
Start Measurement				Exit	

(1) Anchor Point Get the coordinates of the selected point.
(2) Line Arbitrary direction, horizontal and vertical line measurement.
(3) Freehand Line Get a freehand line length
(4) Rectangle Measure rectangle perimeter and area. Selectable to have the data of perimeter or area. <i>By default, both of perimeter and area are selected.</i>
(5) Circle Center Point: Use center point and point on the circle to draw a circle. Two Point: Draw a circle according to the diameter. Three Point: Use 3 points on the circle to draw a circle. Selectable to have the data of diameter, perimeter or area. <i>By default, all of diameter, perimeter and area are selected.</i>
(6) Polygon Measure polygon perimeter and area. Selectable to have the data of perimeter or area. <i>By default, both of perimeter and area are selected.</i>
(7) Point-line Distance Measure the perpendicular length.
(8) Concentric Circles Get the diameters of two concentric circles.
(9) Bicircle Get the distance between two circles' center points.
(10) Angle Measure the angle.
(11) Setting Set the measurement line width, color and font color. Magnifier On/Off: Switch on/off the magnifier. When switch on the magnifier, the cursor located area will be zoomed in and placed at the corner to help accurately locate the measurement point.
(12) Export Results Select to export the measurement results to a excel or a text file. The exported results will be saved in the SD card\MEASURE folder .
(13) Exit Exit the measurement.

2. Right-click anywhere on the live image to get the Measurement Menu.



*NOTE: All the measurements on the live image will be removed when exit the measurement.
The measurement result can be saved on the captured images if capture images before exit measurement.*