

GAZE EVALUATOR

You must have a USB keyboard connected to the P10 in order to use this program.

Choose the correct profile in the drop down menu. If this is a new user who does not have a profile, create a new profile by clicking the “New” button.

If you have already had a successful calibration and just need to evaluate what grid size and button size is appropriate, proceed to section 3 (Grid Size Test).

Gaze Analyzer

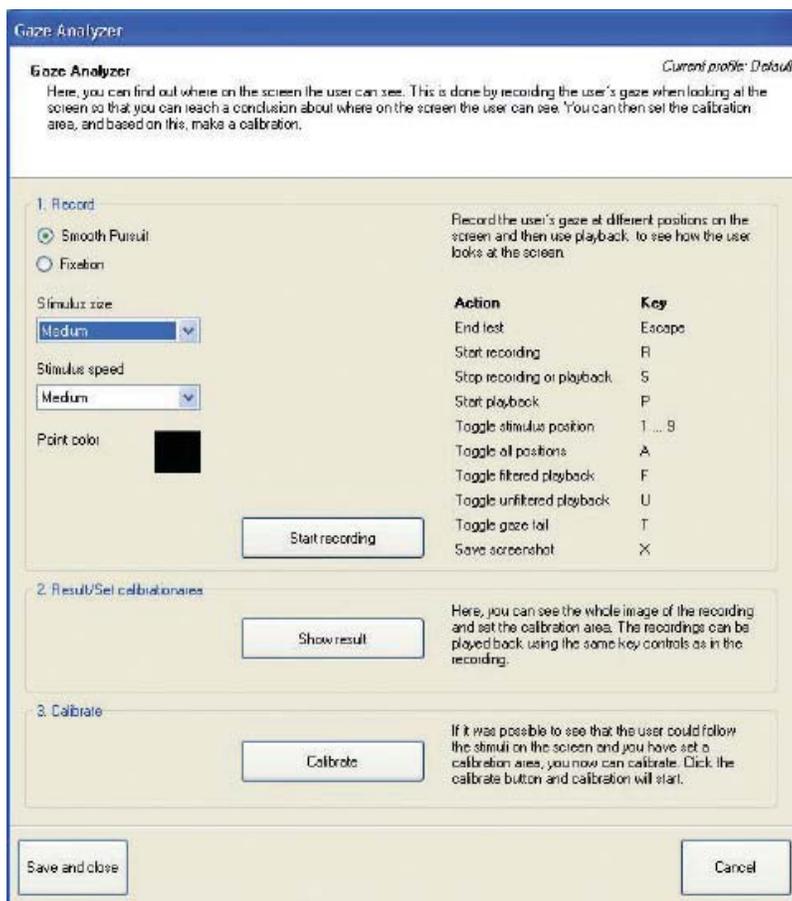
Why use it? If the user does not have a successful standard calibration, or if the user had a successful calibration but does not seem to be able to reliably access all areas of the computer screen.

The Gaze Analyzer provides information about:

- Which areas the user can track on the computer screen (Smooth Pursuit).
- How well the user is able to look at a fixed point and shift his/her gaze to another fixed point (Fixation).

To Begin:

Select “Start Recording.”



Smooth Pursuit

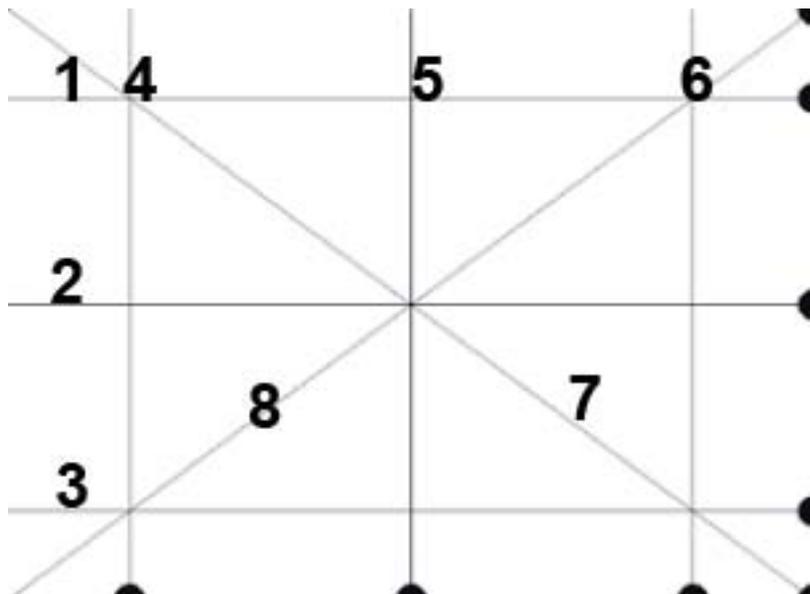
Why use it? To determine the user's ability to track a moving target across all areas of the screen. Using this information will assist in determining how the user moves their eyes to follow the calibration points and how the user would be able to use Windows Control (mouse emulation mode).

The screen will be blank, so there are no visual distractions:

1. Press the number 1 on your keyboard.
2. Press the letter R to begin the test.
3. Press the letter S to stop the test.
4. Press the letter P to replay the recording.
5. Press the number 1 on your keyboard to return to a clear screen so you can proceed to the next field.
6. Press the number 2 on your keyboard.
7. Press the letter R to begin the test.
8. Press the letter S to stop the test.
9. Press the letter P to replay (optional).
10. Press the number 2 on your keyboard to return to a clear screen so you can proceed to the next field.
11. Continue through number 8. (refer to graph below to see which field corresponds with the keyboard number).

Once the test is complete, you can replay all sequences by pressing the letter "A" on your keyboard.

12. When all fields have been replayed, press the letter X to save a screen shot of the full gaze analysis test.
13. Press "Esc" to return to the menu screen.



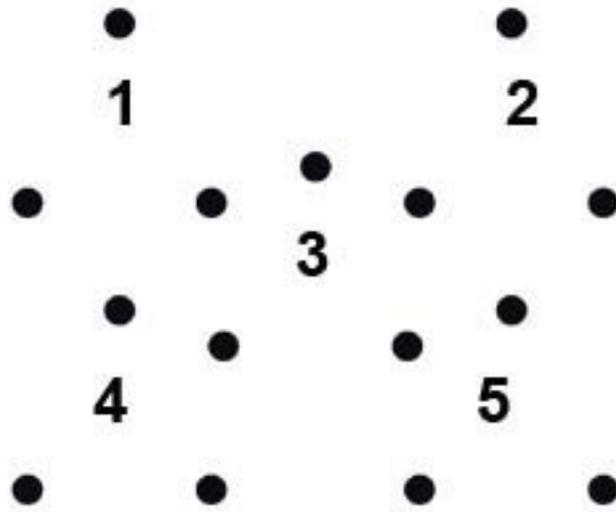
Fixation

Why use it? To determine the user's ability to maintain gaze on a fixed location, then transfer gaze to another fixed location.

1. Press the number 1 on your keyboard.
2. Instruct the user to look at the target.
3. Press the letter R on your keyboard to begin the test.
4. When all 3 points have pulsed, press S on your keyboard to stop testing that area.
5. Press the letter P to replay the result.
6. Press the number 1 to return to a clear screen.
7. Continue with the test using numbers 2- 5.
8. Press the letter A to replay all results.
9. The thicker the grey circle, the longer the user was able to fixate on that point.
10. Press X on your keyboard to save a screenshot of the results.
11. Press "Esc" to return to the menu screen.

Results of Gaze Analysis:

1. Show Result allows you to view the user's gaze patterns and contrast it with the calibration area (shown in blue).
2. It is possible to touch and drag the calibration area to fit the fields the user is able to gaze at.
3. Once the calibration area has been reset to the user's field, it is possible to recalibrate.
4. Save and close to return to the main Gaze Evaluator screen.



Grid Size Test

Why use it? If you are unsure of what button size and what grid size the user can access, or if the user needs some more practice in understanding dwell time.

- This tool allows the user to become familiar with the dwell function.
- The Grid Evaluator also provides information about what grid size and button size is appropriate for the user.

To use it:

1. Ask the user to look at various pictures in each grid size. Use the left and right arrow keys on your USB keyboard to increase or decrease the grid size.
2. If the user has difficulty accessing buttons on a particular grid size, click the left arrow key on your keyboard to move to a grid size with larger buttons.
3. The user will know when they have selected a specific picture because the background of the picture will briefly change to a darker color when it has been selected.
4. When you have finished, press “Esc.”

Documentation

Why use it? Printing out the results of the Gaze Evaluator provides baseline documentation and/or documentation of change over time.

If you would like a printout of the data from the above assessments, click on “Show Information.”

You can print directly from here or save a copy of the datasheet to a file so you can print it out later.

Choose “File.”

Choose “Save a Copy.”

Select the folder in which you want to save the report.

Choose “Save.”