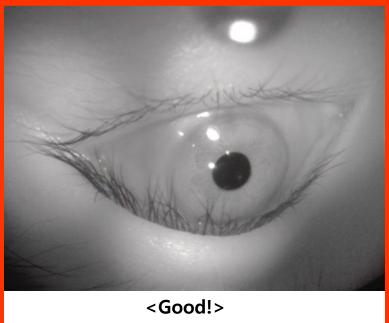
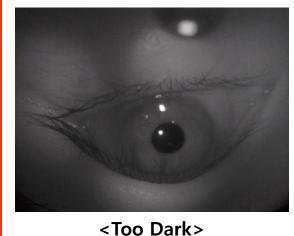
[1] Camera Configuration





Wrong examples



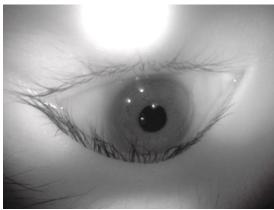


First, configure your webcam by opening your camera's control panel

(In case of PS3 Eye Camera)

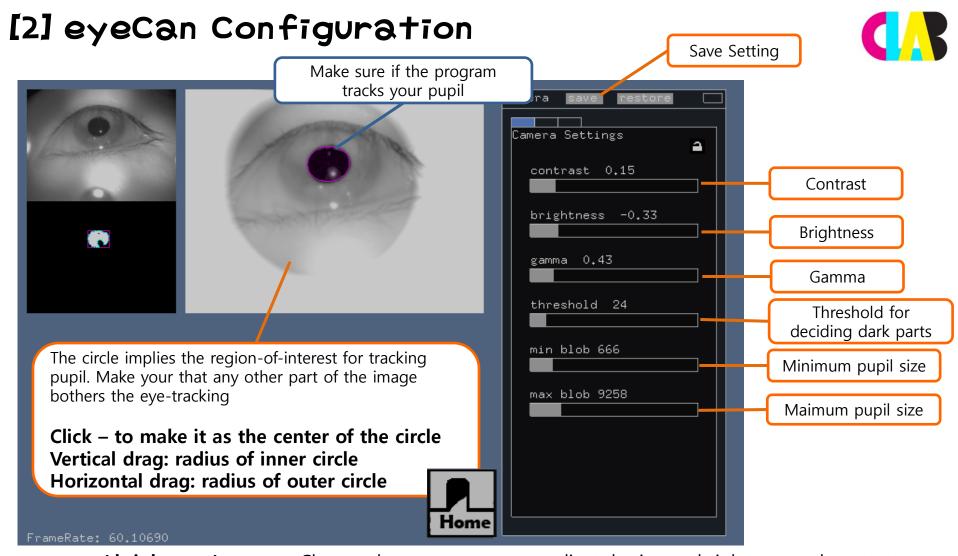
- execute "CL-Eye Test"
- (Menu) Options->Video Capture Filter...





<Blurry>

<Shadow>



contrast/ brightness/ gamma: Change these parameters to adjust the image brightness and contrast

threshold: the threshold for discriminating dark pixels from bright pixels (higher the value, more pixels will be regarded as 'dark')

min blob/ max blob: 'Dark' pixel blob that is inside this range will be detected as a pupil

[3] Calibration



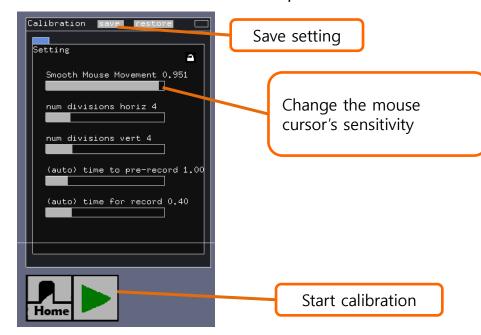
Calibration is a process to map your eye movement to cursor movement on the computer screen

This is needed anytime when you

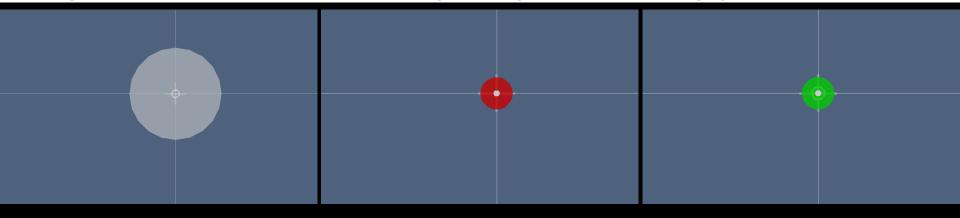
- first use eyeCan
- changed your pose or moved head so that previous calibration has been gone wrong.

To start calibration,

- Push the 'play button like' button
- after help message is shown, click anywhere on the screen



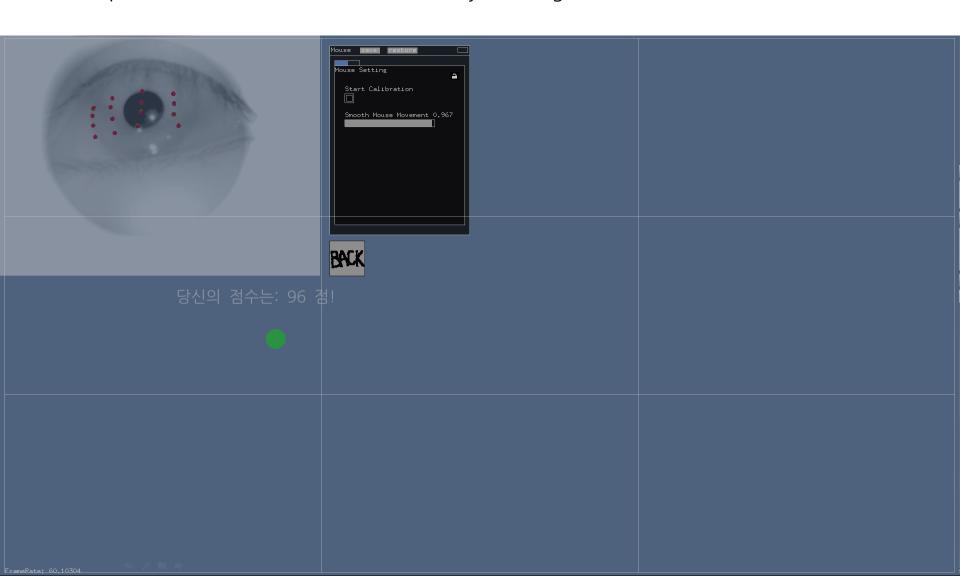
During calibration, look at the red dots appearing on the grids, without blinking eyes



[4] Calibration Results

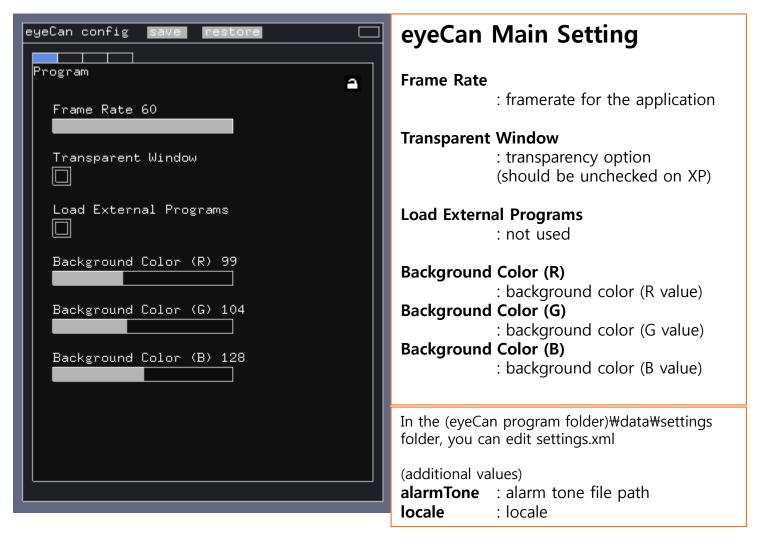


After calibration is done, the result is shown on the screen. The score presented should be over 90 for reliable eye-tracking.



Advanced Settings (Settings.exe)





important)

1) if the PC does not support the framerate setting, you should adjust your framerate setting to an appropriate value that your PC supports.

Advanced Settings (Settings.exe)



Mouse Settings

Click Helper Box Size

: size of the bounding box that shows when using click helper

Use Click Helper

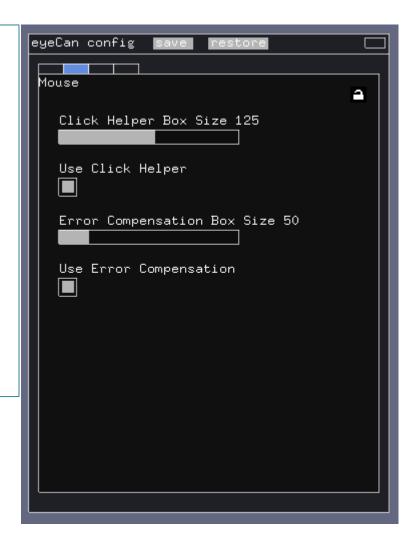
: enable/disable click helper

Error Compensation Box Size

: size of the bounding box that shows when using error compensation

Use Error Compensation

: enable/disable error compensation



Advanced Settings (Settings, exe)





Eye Movement

Short Click Time

: Short click time (default 0.25s)

Click Time

: Click time (default 0.5s)

Long Click Time

: Long click time (default 1.5s)

Dwell Time

: Dwell time (default 3.5s)

Stay Boundary Size

: Dwell decision boundary (default 50 pixels)

Advanced Settings (Settings.exe)



Camera Input Setting

Input Mode

: 0 – always should be

Input Device

: camera device ID

Input Width

: input width (pixel)

Input Height

: input height (pixel)

