Demonstração
Eye Traking

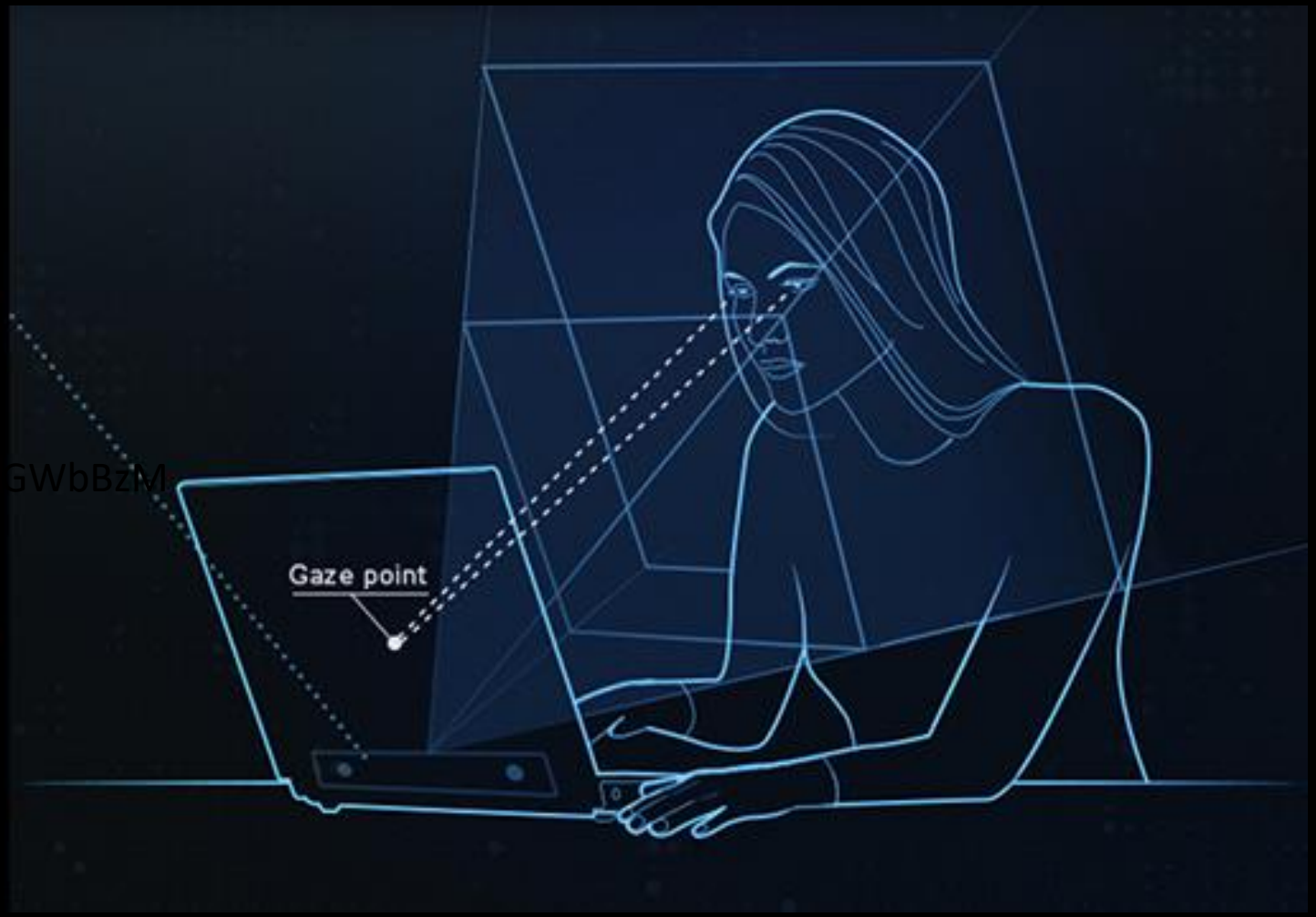
Tânia Ribeiro 2023

An Eye Tracker
consists of projectors, sensors and algorithms.

The projectors
create a pattern by projecting near-infrared light on the eyes.

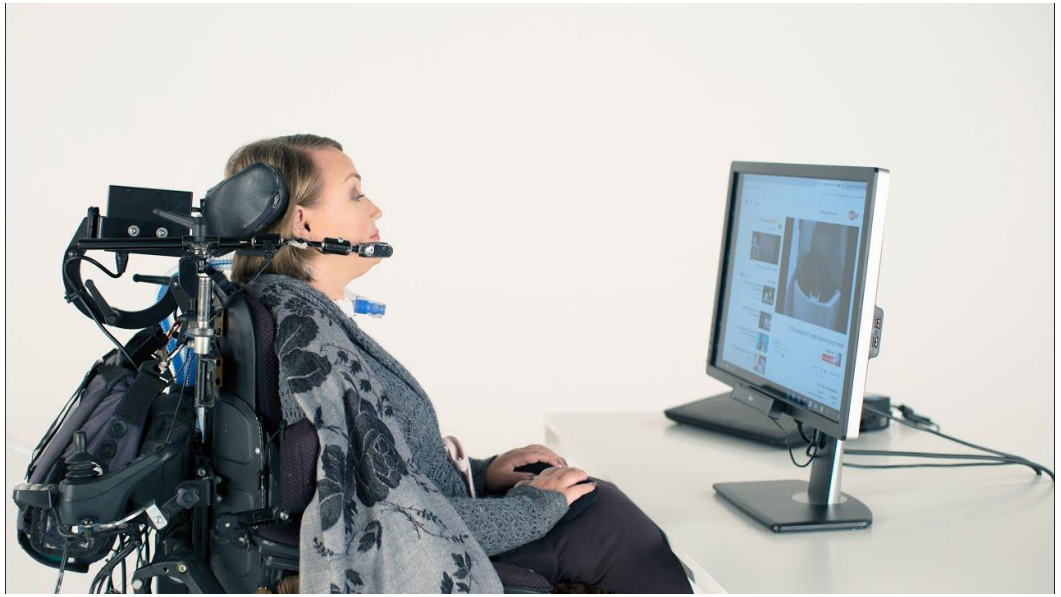
The Sensors
takes high-frame-rate images of the user's eyes and patterns created.

Algorithms
find specific details of the user's eyes and reflection patterns. This results in, among other data, the gaze point on the screen.

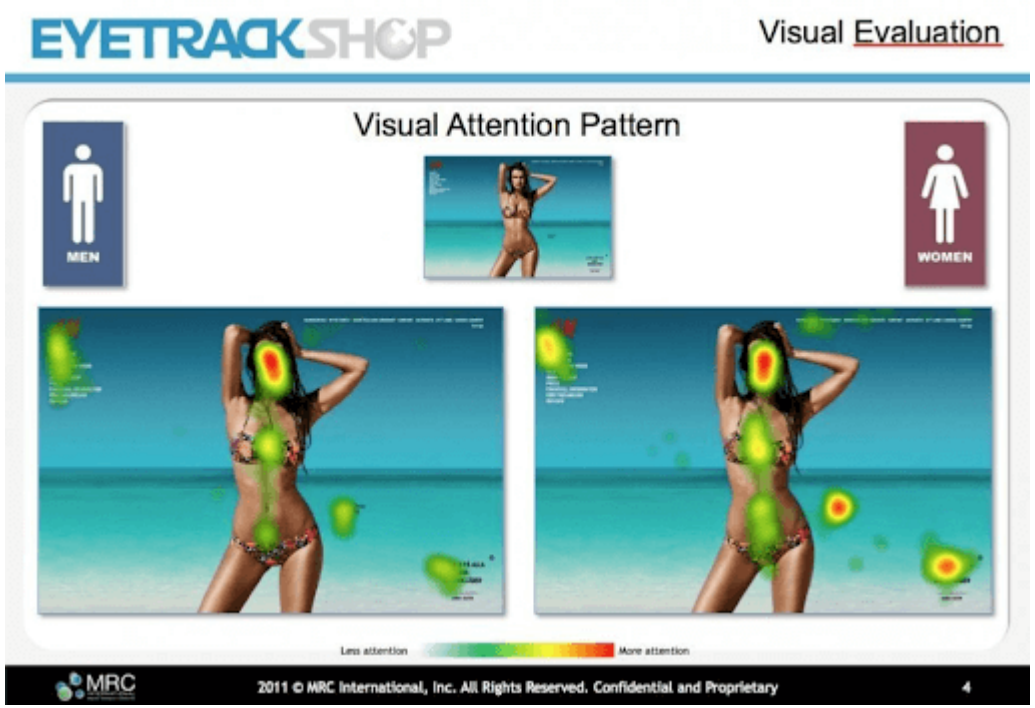


Retirado de: https://bit.ly/2GWbBzM

Exemplos de Aplicação:

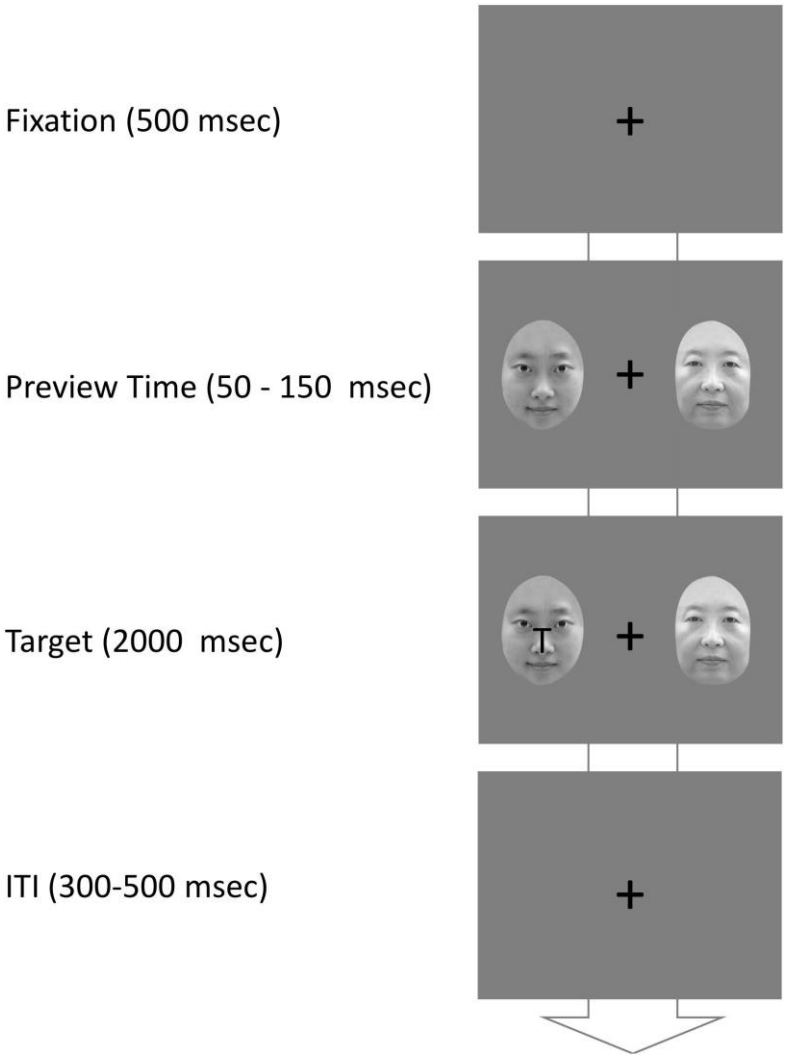


Retirado de: https://ca.tobiidynavox.com/



"**Where People Look**"– retirado de https://www.businessinsider.com/eye-tracking-heatmaps-2012-5

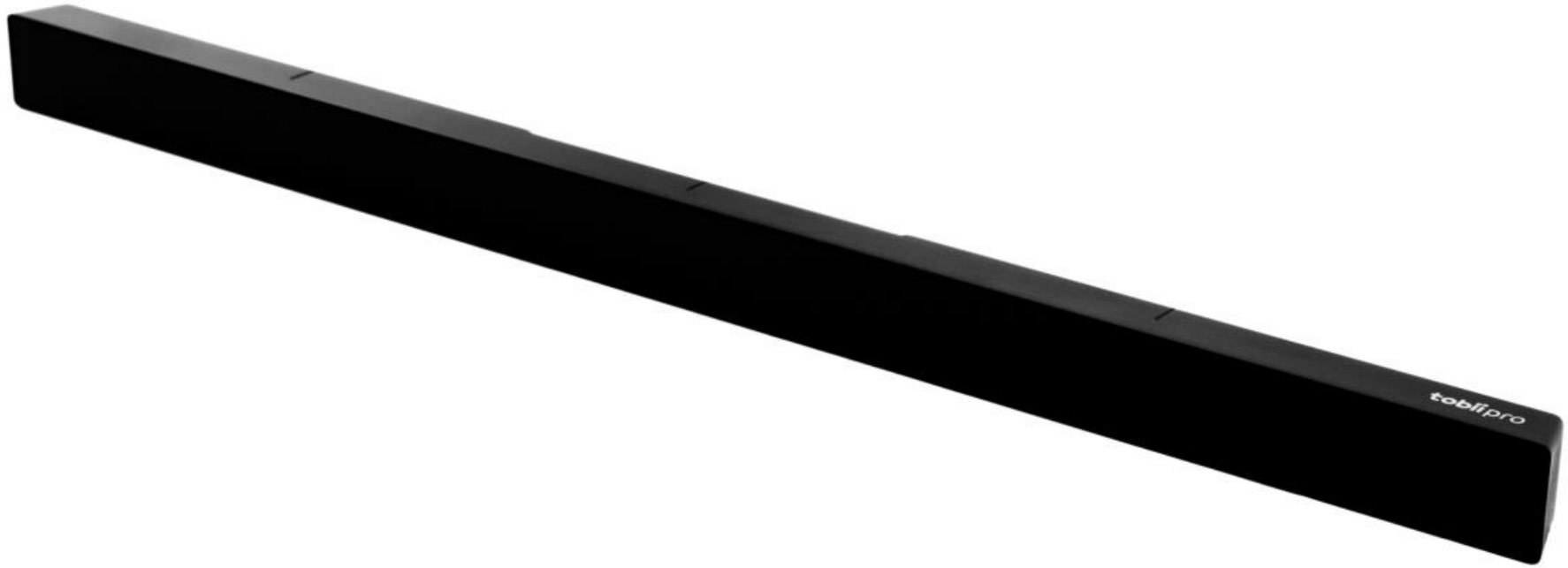
Eyetracking heat map Wikipedia - Wikimedia Commons



Zheng W, Luo T, Hu P,, Peng K (2018) **Glued to Which Face? Attentional Priority Effect of Female Babyface and Male Mature Face**. Front Psychol 9:. https://doi.org/https://doi.org/10.3389/fpsyg.2018.00286

Hardware

Tobii Pro X3-120

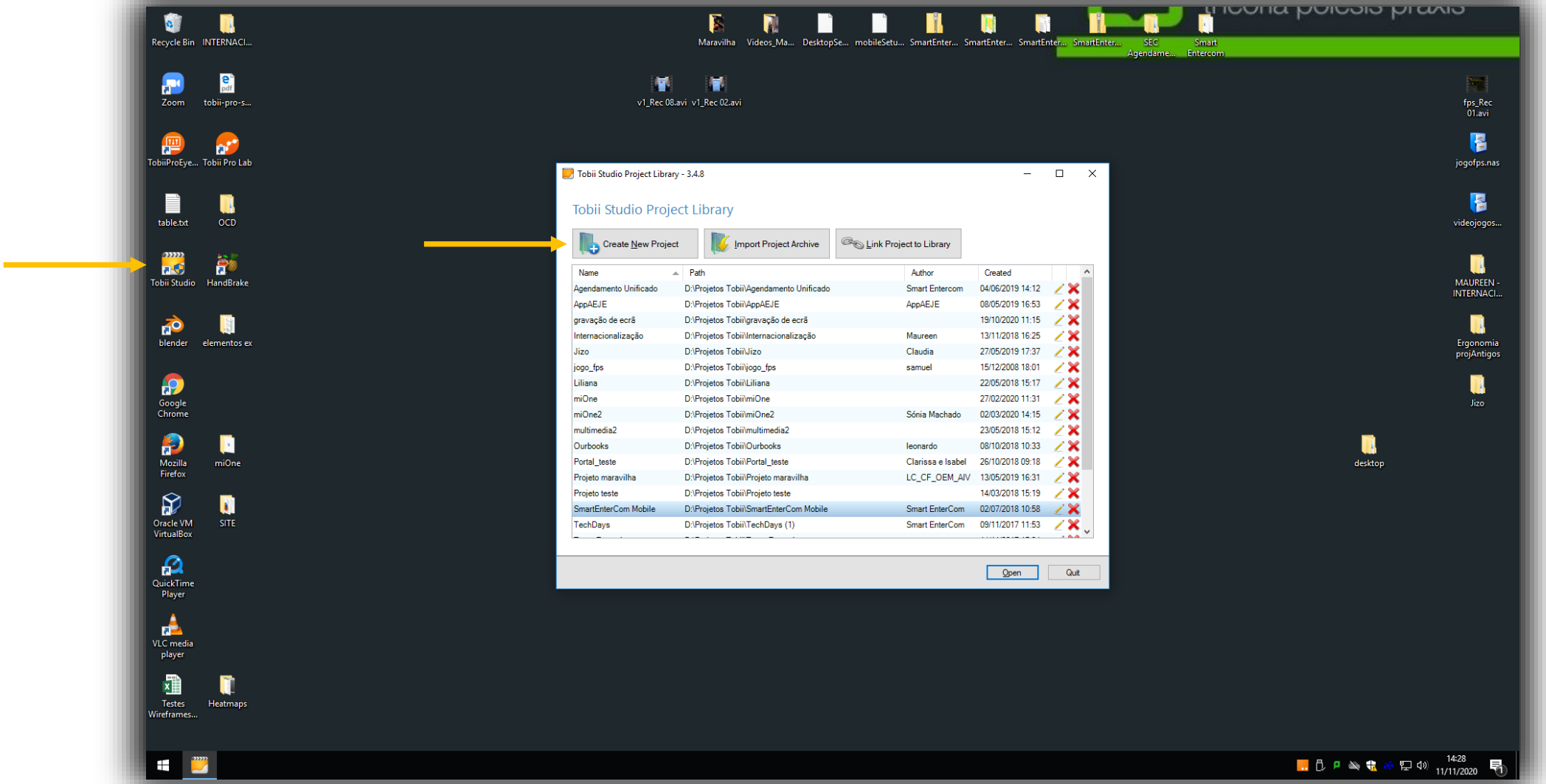


Software

Tobii Studio

Password

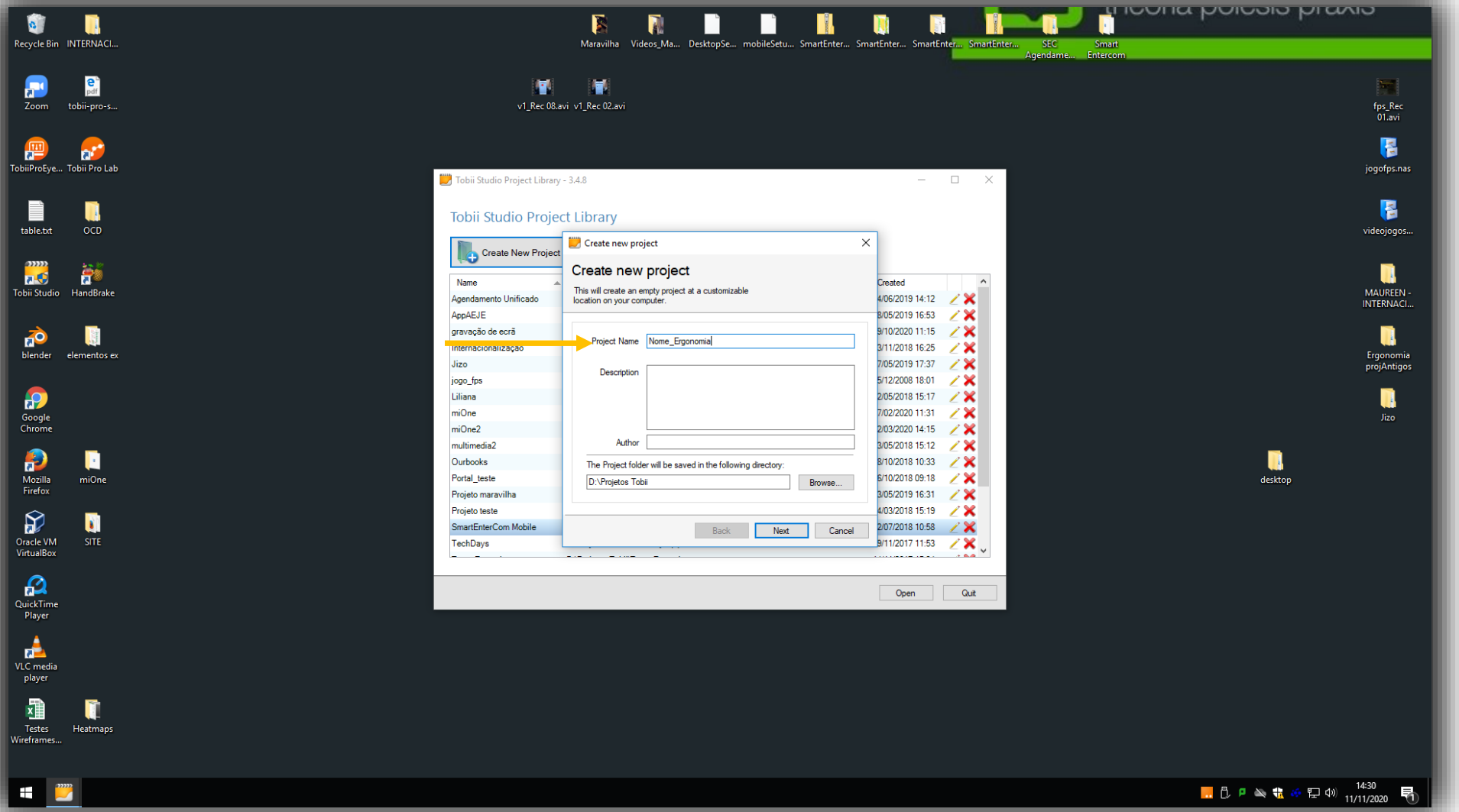
SmartEntercom_2017


Tobii Studio Project Library - 3.4.8
Tobii Studio Project Library
Create New Project
Import Project Archive
Link Project to Library
Name
Path
Author
Created
Agendamento Unificado D:\Projetos Tobii\Agendamento Unificado Smart Entercom 04/06/2019 14:12
AppAEJE D:\Projetos Tobii\AppAEJE AppAEJE 08/05/2019 16:53
gravação de ecrã D:\Projetos Tobii\gravação de ecrã 19/10/2020 11:15
Internacionalização D:\Projetos Tobii\Internacionalização Maureen 13/11/2018 16:25
Jizo D:\Projetos Tobii\Jizo Claudia 27/05/2019 17:37
jogo_fps D:\Projetos Tobii\jogo_fps samuel 15/12/2008 18:01
Liliana D:\Projetos Tobii\Liliana 22/05/2018 15:17
miOne D:\Projetos Tobii\miOne 27/02/2020 11:31
miOne2 D:\Projetos Tobii\miOne2 Sónia Machado 02/03/2020 14:15
multimedia2 D:\Projetos Tobii\multimedia2 23/05/2018 15:12
Ourbooks D:\Projetos Tobii\Ourbooks leonardo 08/10/2018 10:33
Portal_teste D:\Projetos Tobii\Portal_teste Clarissa e Isabel 26/10/2018 09:18
Projeto maravilha D:\Projetos Tobii\Projeto maravilha LC_CF_OEM_AIV 13/05/2019 16:31
Projeto teste D:\Projetos Tobii\Projeto teste 14/03/2018 15:19
SmartEnterCom Mobile D:\Projetos Tobii\SmartEnterCom Mobile Smart EnterCom 02/07/2018 10:58
TechDays D:\Projetos Tobii\TechDays (1) Smart EnterCom 09/11/2017 11:53
Open
Quit
Recycle Bin
INTERNACI...
Zoom
tobii-pro-s...
TobiiProEye...
Tobii Pro Lab
table.txt
OCD
Tobii Studio
HandBrake
blender
elementos ex
Google Chrome
Mozilla Firefox
miOne
Oracle VM VirtualBox
SITE
QuickTime Player
VLC media player
Testes Wireframes...
Heatmaps
Maravilha
Videos_Ma...
DesktopSe...
mobileSetu...
SmartEnter...
SmartEnter...
SmartEnter...
SmartEnter...
SEC Agendame...
Smart Entercom
v1_Rec 08.avi
v1_Rec 02.avi
fps_Rec 01.avi
jogofps.nas
videojogos...
MAUREEN - INTERNACI...
Ergonomia projAntigos
Jizo
desktop
14:28
11/11/2020

Título do projeto

Nome/grupo_turma_UC_ano

Grupo1_TP2_CognicaoInteracao_2023


Tobii Studio Project Library - 3.4.8
Tobii Studio Project Library
Create New Project
Create new project
Create new project
This will create an empty project at a customizable location on your computer.
Project Name
Nome_Ergonomia
Description
Author
The Project folder will be saved in the following directory:
D:\Projetos Tobii
Browse...
Back
Next
Cancel
Open
Quit

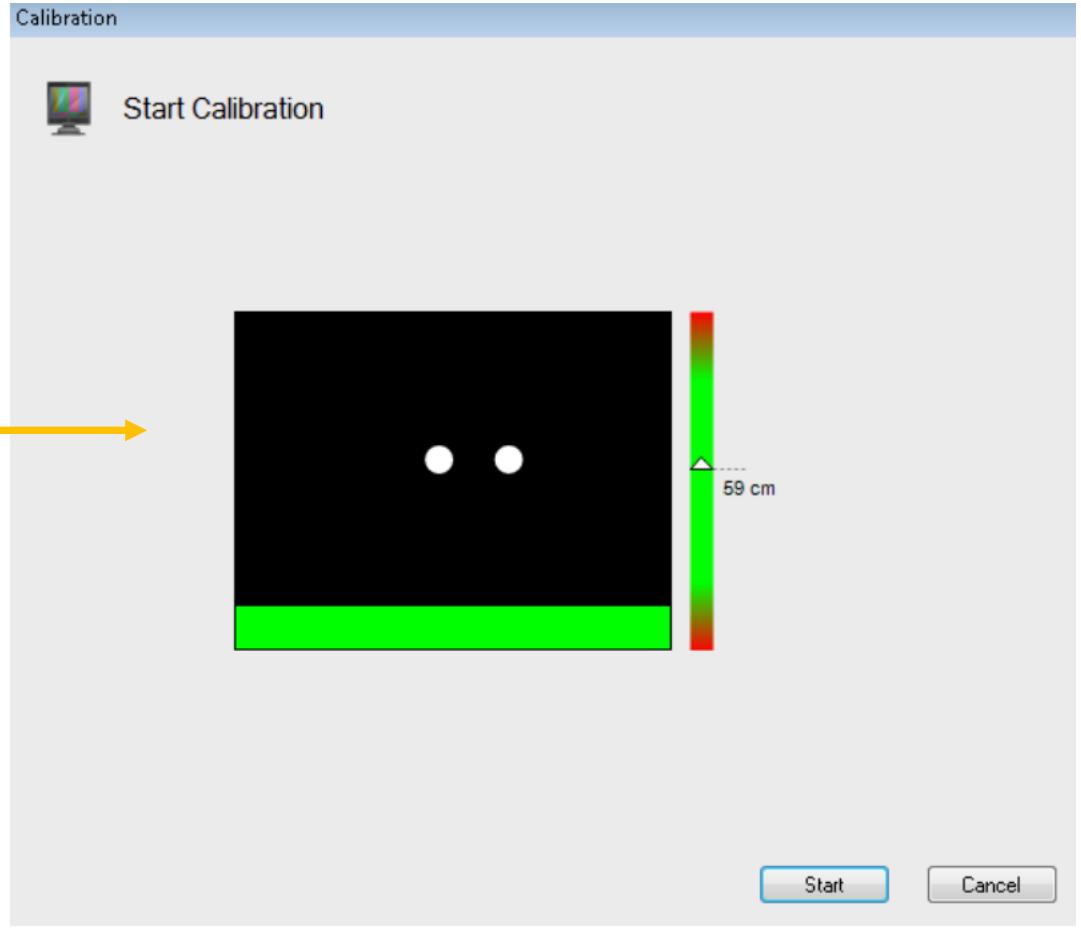
Preocupações

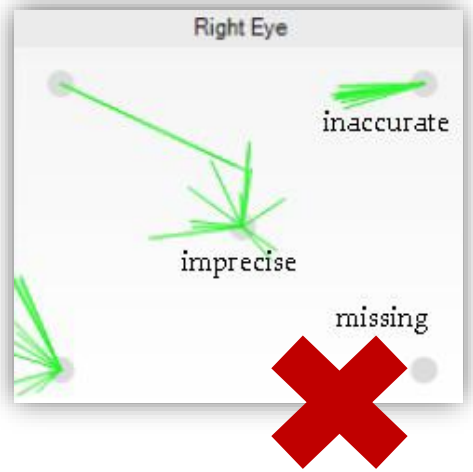
Indivíduos com óculos progressivos (não resulta);

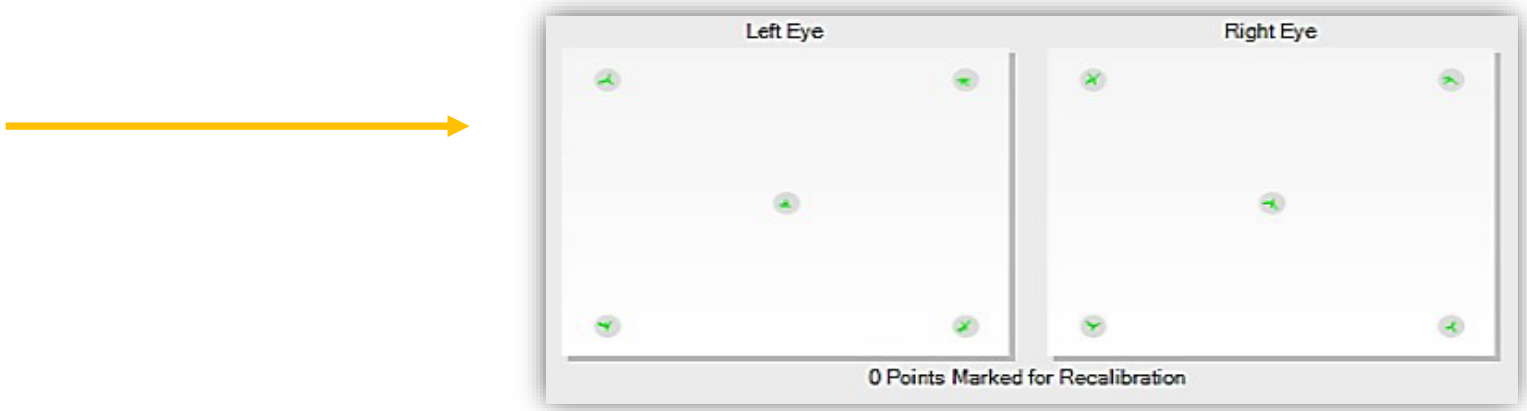
Garantir uma calibração adequada;

Garantir uma distância adequada ao equipamento;

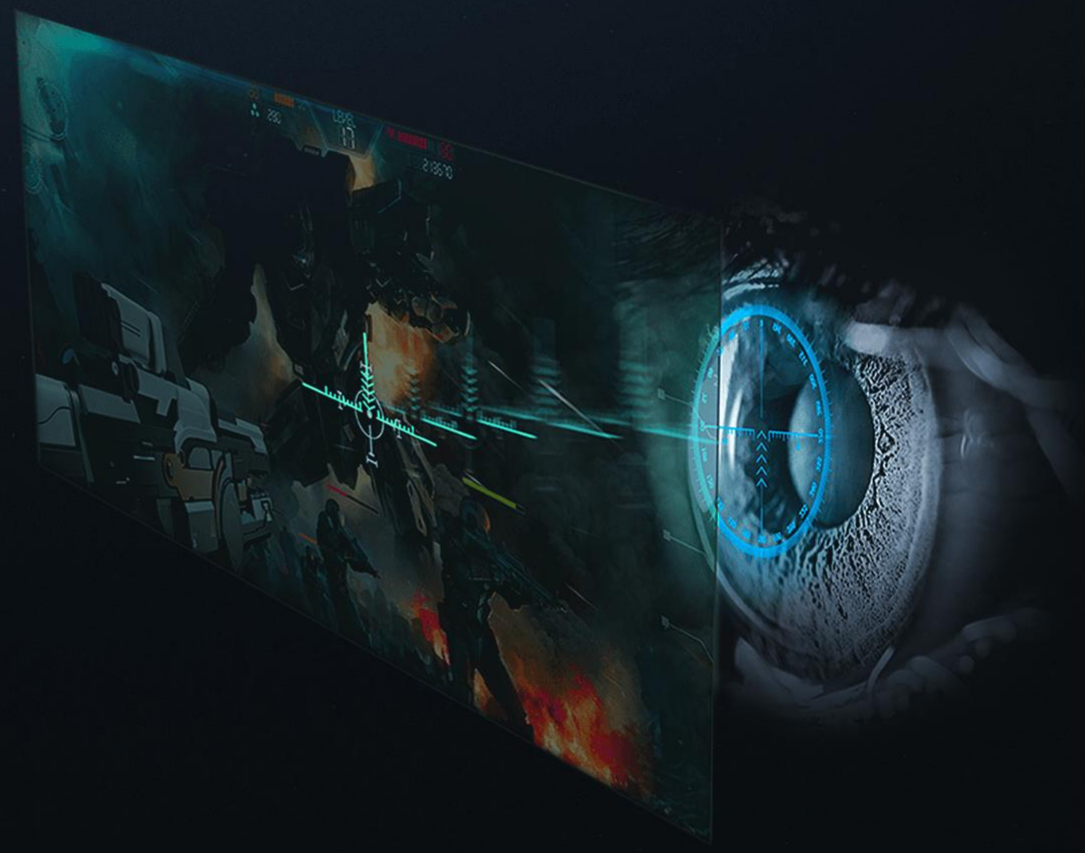
Calibração ideal




Right Eye
inaccurate
imprecise
missing


Left Eye
Right Eye
0 Points Marked for Recalibration

Demonstração
Eye Traking



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