Manual of the program

Group:14

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Because the Code is kind of too big, please download the code from <https://drive.google.com/drive/folders/1eykv8-l2i_IN9ea0GQZclHqFzi9ZR8yG?usp=sharing>

You can change the thread hold value in the main.m file under folder FRcode from line 63 to 71.

This is a must do process as different cameras have different conditions.

After trying out the code, it will print out the scores, and the corresponding name in two lists. Then you can adjust to a good value so that if the face is already recognized, the score will be low enough. And of course, if it is a new face, the score must be higher than the thread hold.

If wanting to change the resolution, please open the finaldemo.m and change line 33.

And change all the value in line 50,58,72,84,119 with the same ratio.

(line 50,58,72,84 is face detection, but with some fixed size check)

(line 119 is delete condition checking, the “250” is for the timeout value)

And you can also change the update rate in line 43.

Run the code (finaldemo.m)!

Remember to add only one person at a time. (yellow box means new face detected, should be only one at a time, or else the count down with keep reseting.)

When it countdown to 0, it will ask you to enter your name if the new face detected is higher than the thread hold.