Running the final Particle Counter Program

Below are all the dependencies and related versions used in the program.

matplotlib>=3.2.2

opencv-python>=4.6.0

Pillow>=7.1.2

PyYAML>=5.3.1

requests>=2.23.0

scipy>=1.4.1

torch>=1.7.0

torchvision>=0.8.1

tqdm>=4.64.0

pandas>=1.1.4

seaborn>=0.11.0

gradio==3.35.2

psutil==6.0.0

nicegui==1.4.37

How to install the program:

1. Check if python is installed, by running python --version in terminal. If a version number appears (eg. Python 3.x.x), then it is installed. If not, then go to <https://www.python.org/downloads/> and download the version of python suitable for your device.
2. Traverse into the folder named finalparticlecounter through your terminal, using the command cd to enter into directories. The resulting path in the terminal should be your/path/to/finalparticlecounter
3. In terminal, run pip install -r requirements.txt and wait for all of the packages to install.
4. Open up a browser tab in the background.
5. Run python main.py to launch the program!