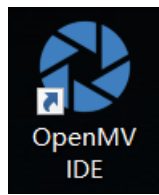
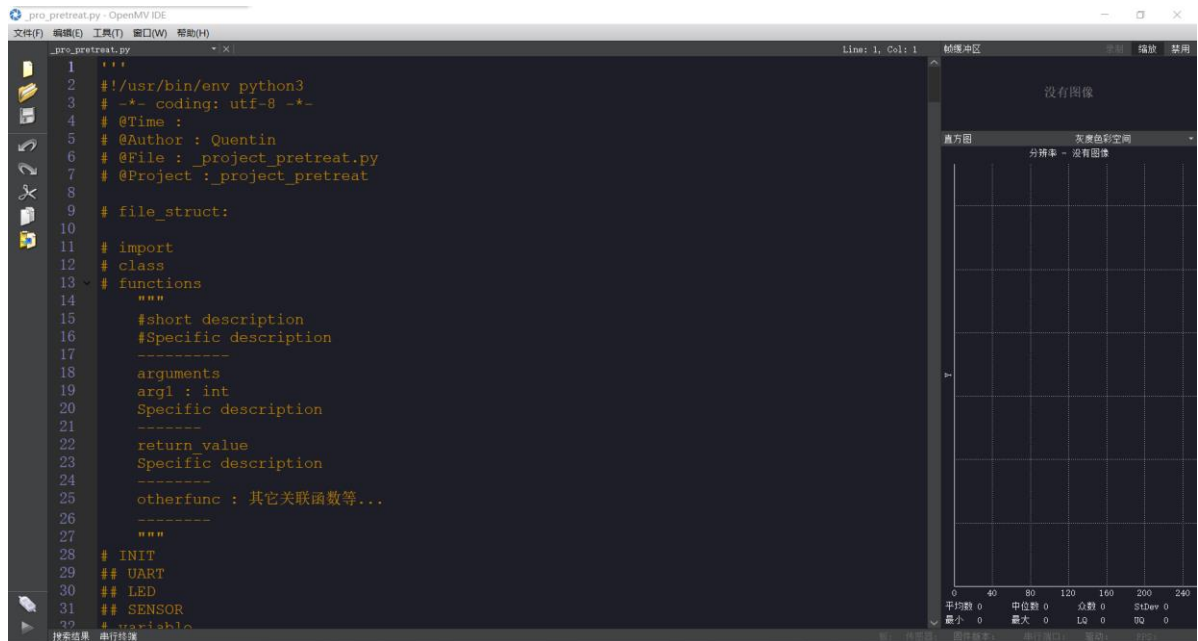


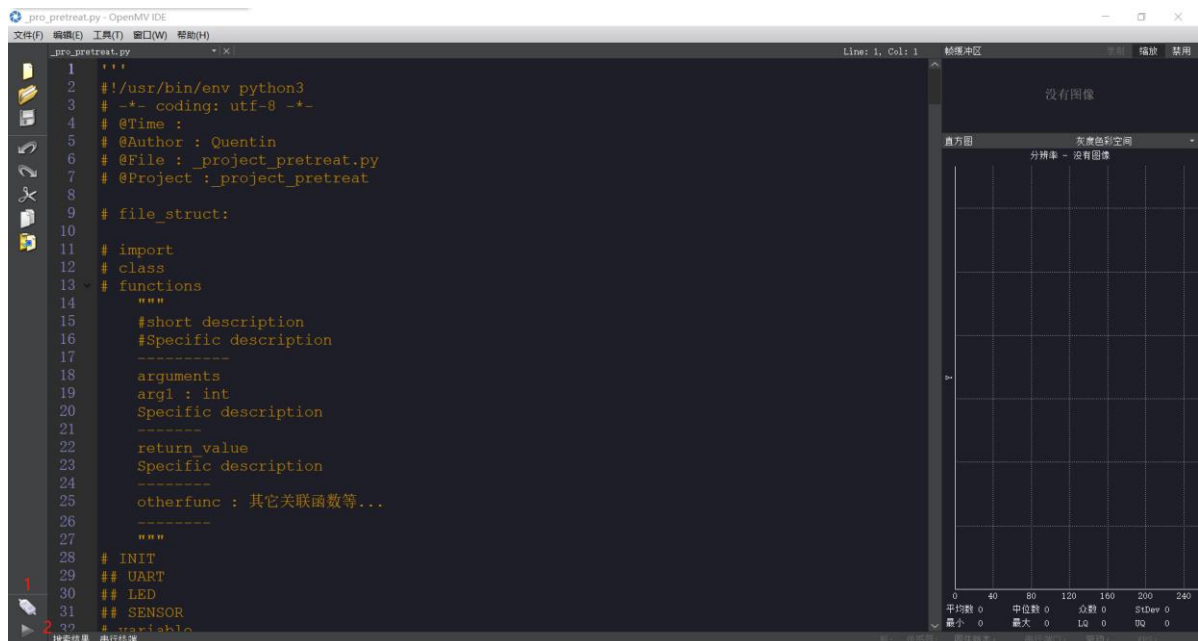
1、双击该图标



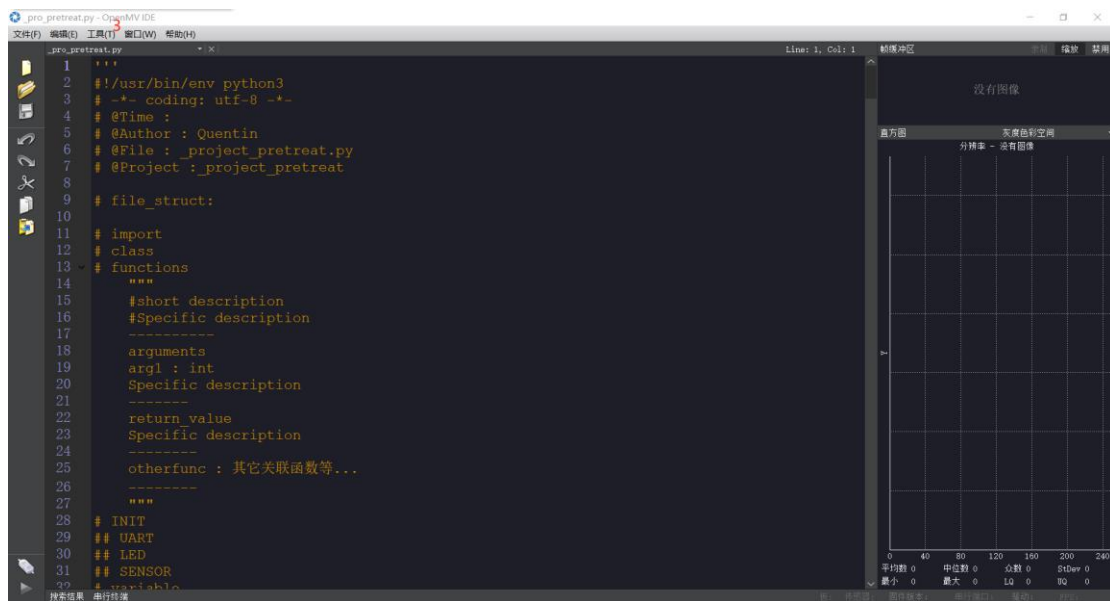
2、打开界面



3、连接 openmv 摄像头



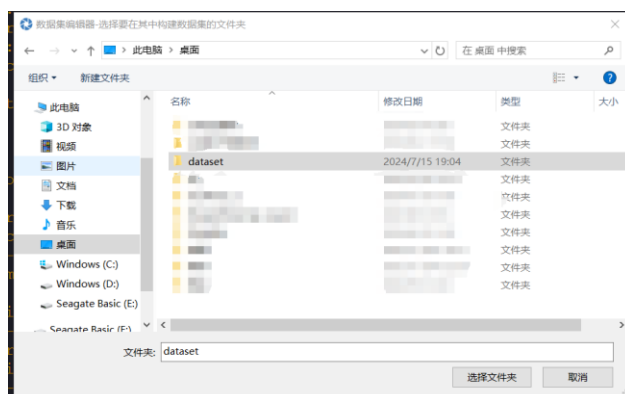
4、打开工具



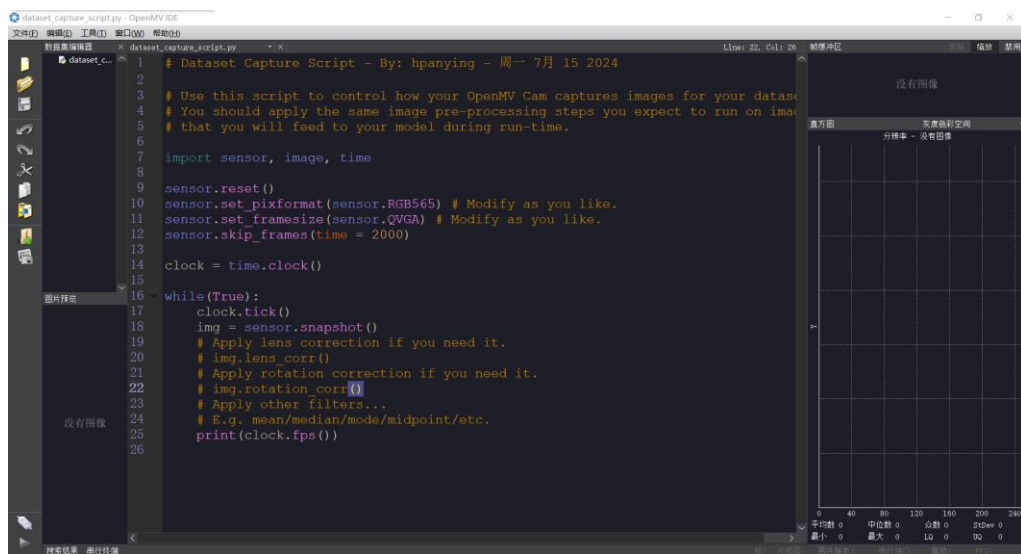
5、点击工具，点击数据集编辑器，点击新数据集



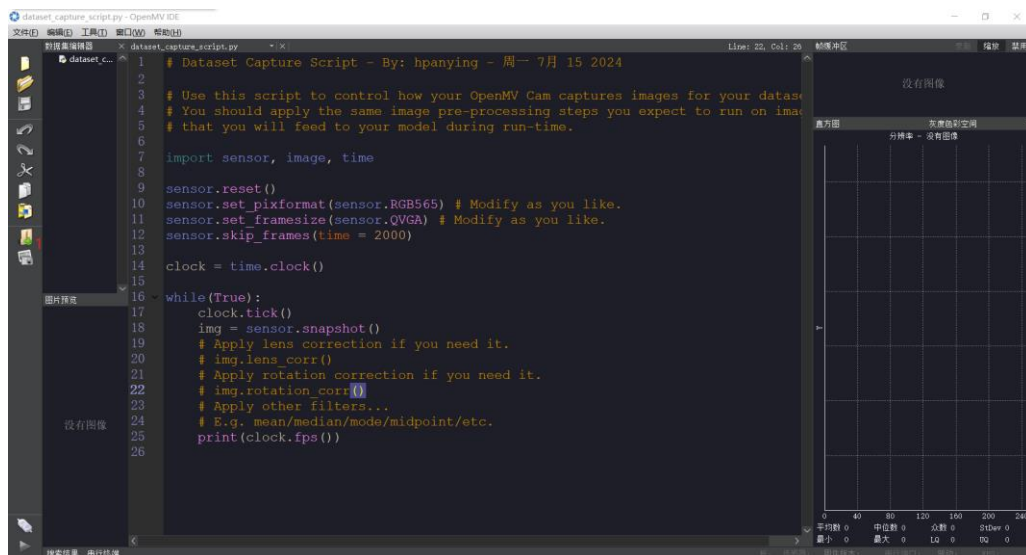
6、创建数据集文件夹并选择文件夹



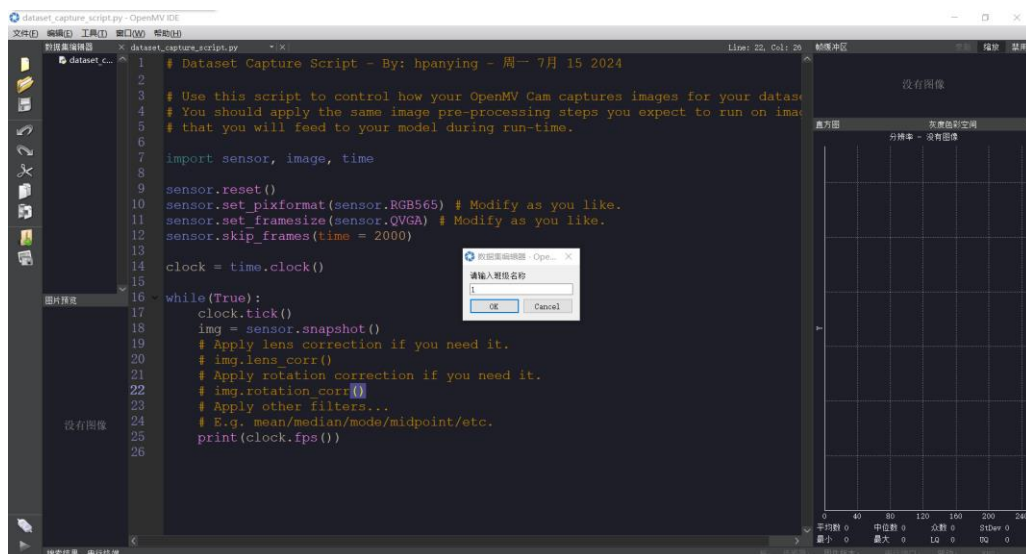
7、界面改变



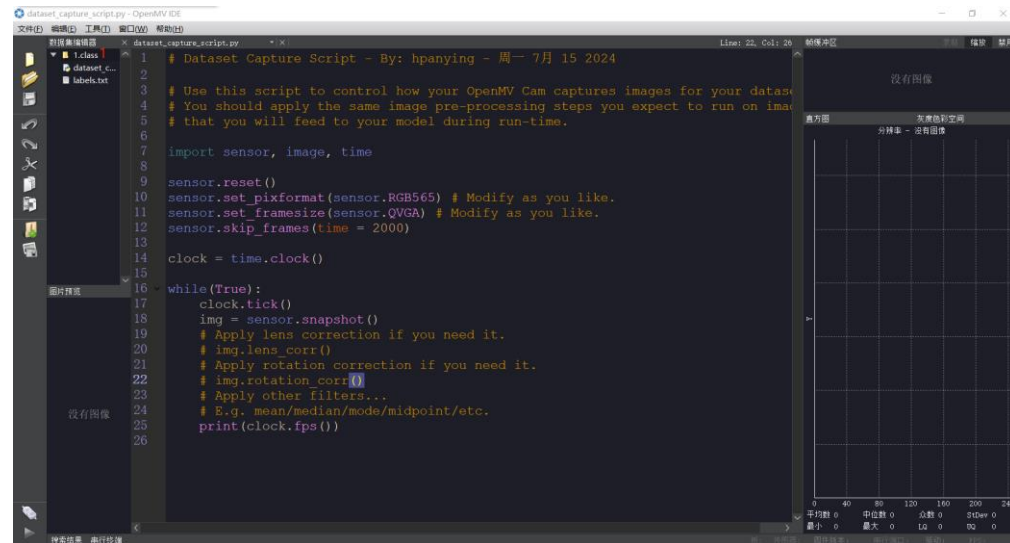
8、创建数据集类别



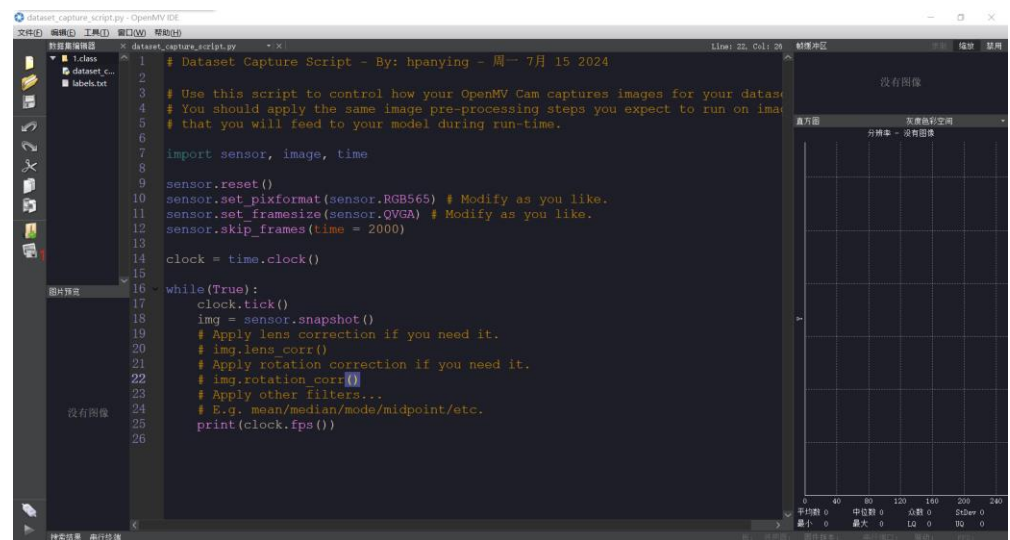
9、添加名称，自定义即可



10、选中该类别

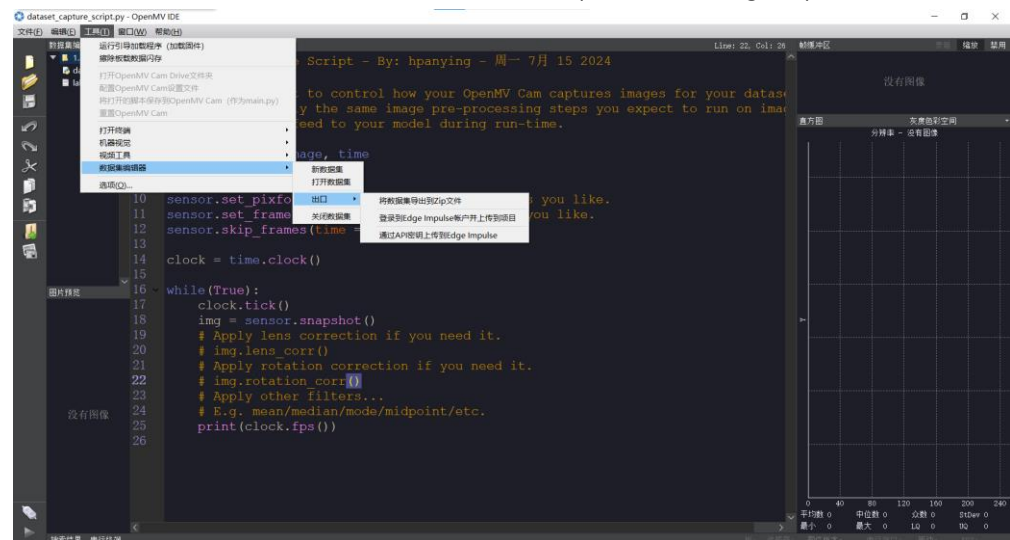


11、点击采集数据，采集 100 张左右，注意保持内容大致在正中央

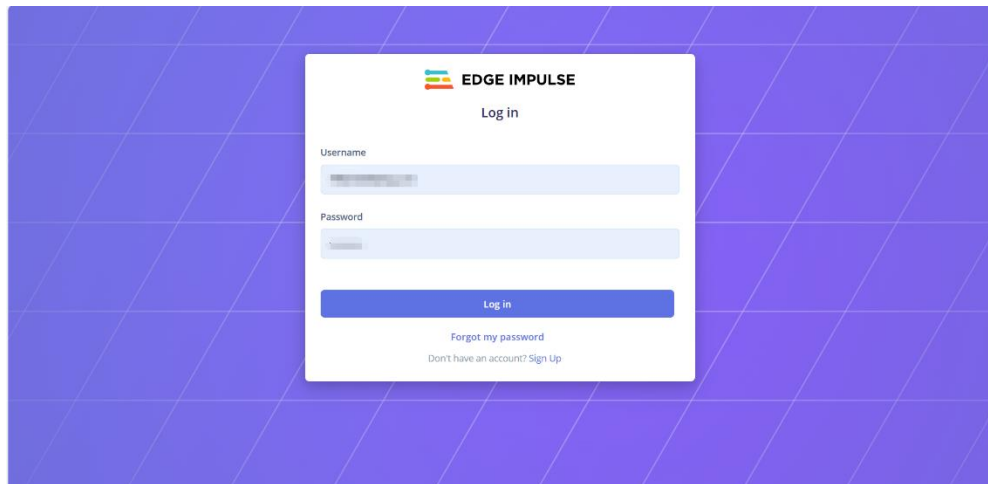


12、采集完成后，点击工具，点击数据集编辑，点击出口，点击上传

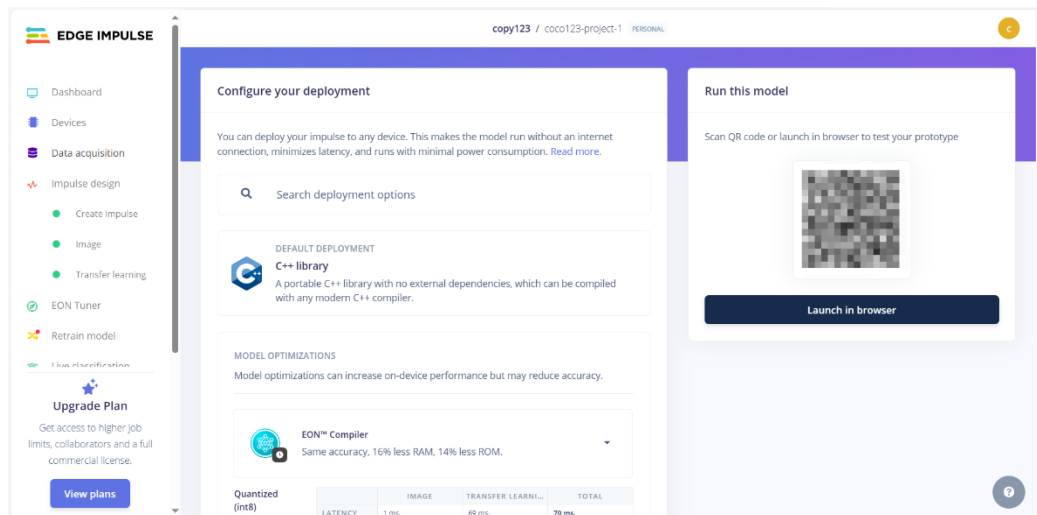
//如之前没用过，则从浏览器打开网址 <https://studio.edgeimpulse.com/>



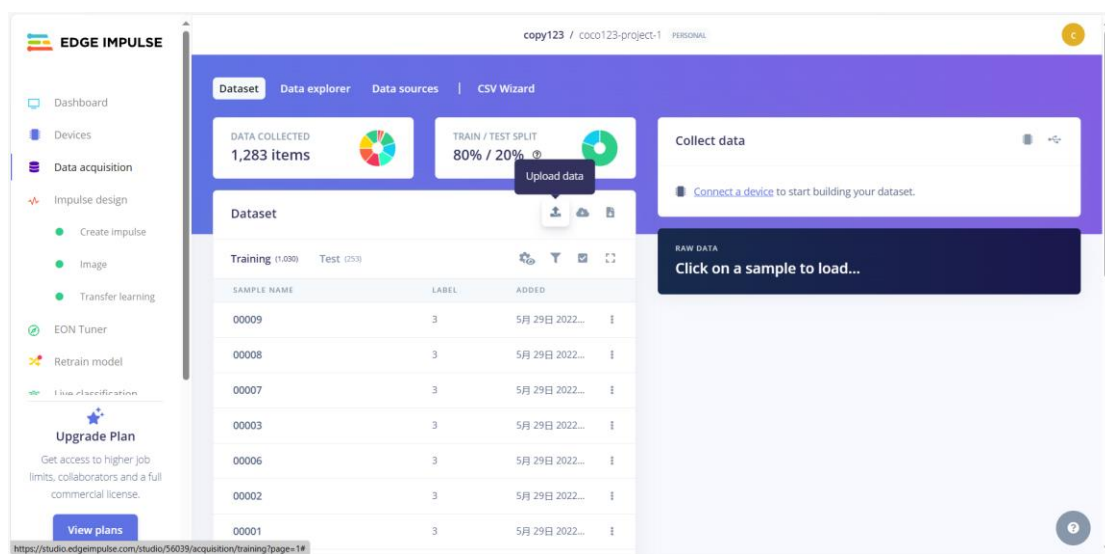
13、注册并登录



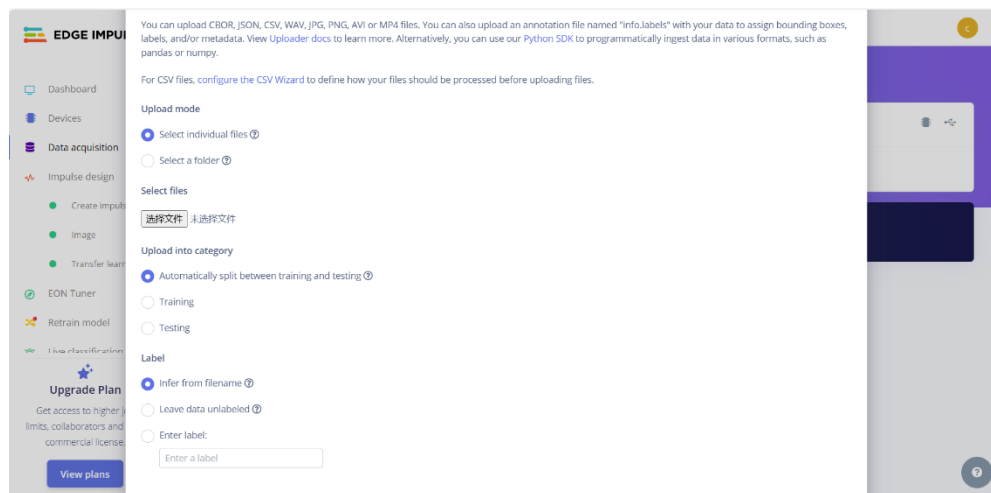
14、界面如此



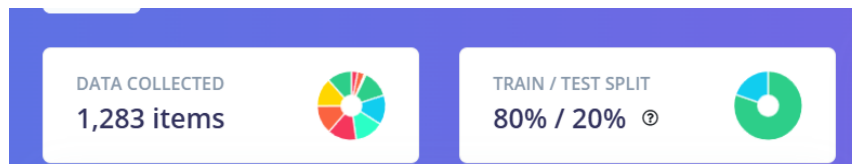
14、点击 data acquisition，点击 upload data，界面可能和我不同，因为我不是初次进入。



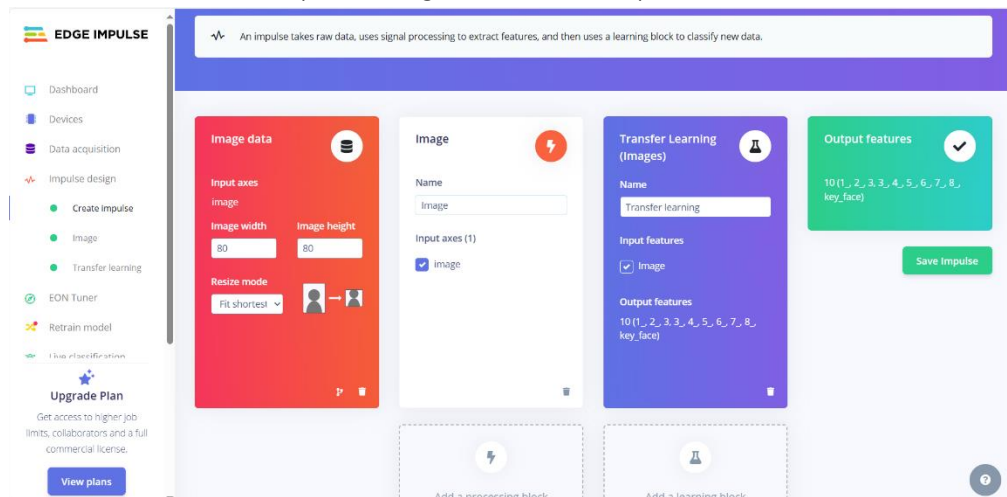
15、点击选择文件即可，把之前的数据集文件夹选中



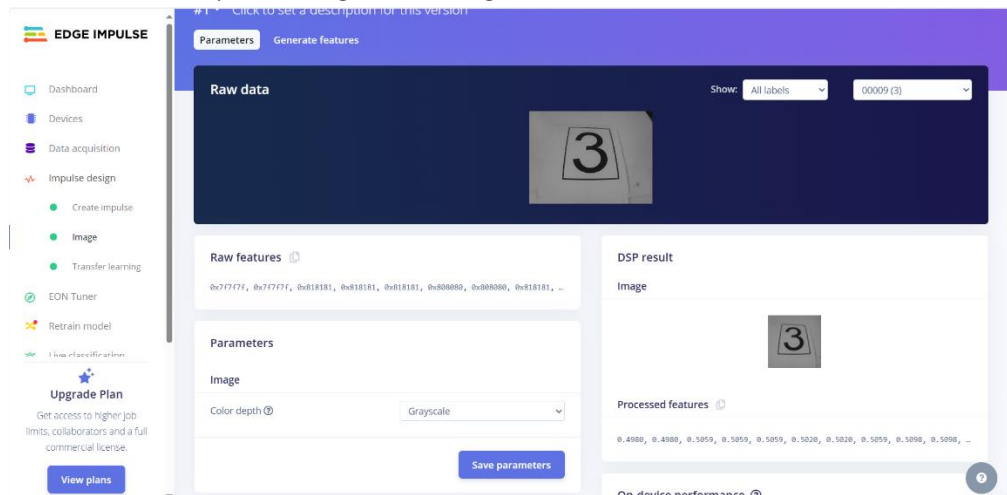
16、上传后给出数量情况



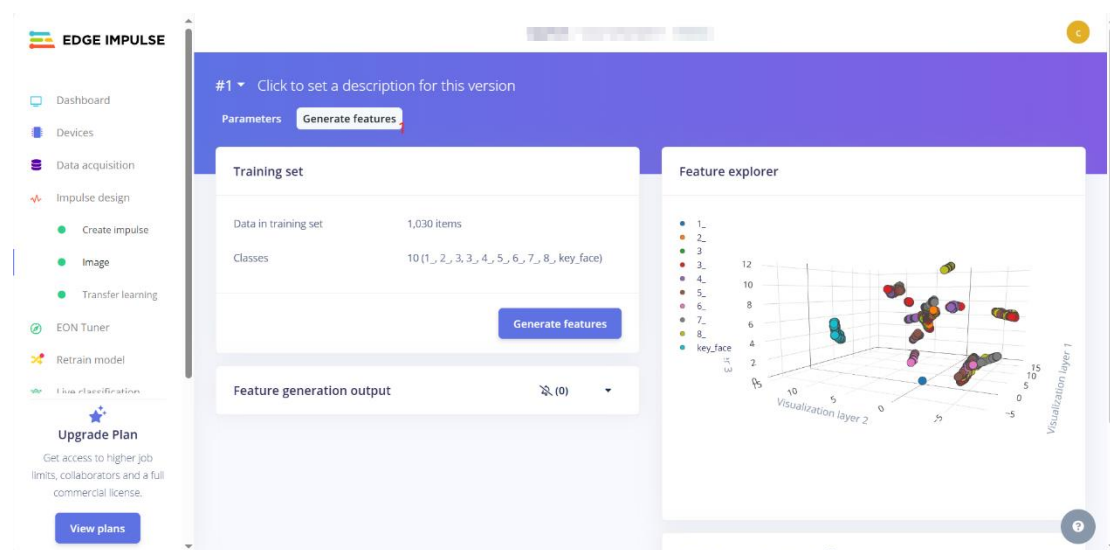
17、按顺序点击左侧 Impulse design 中的 Create impulse，参数大致如图



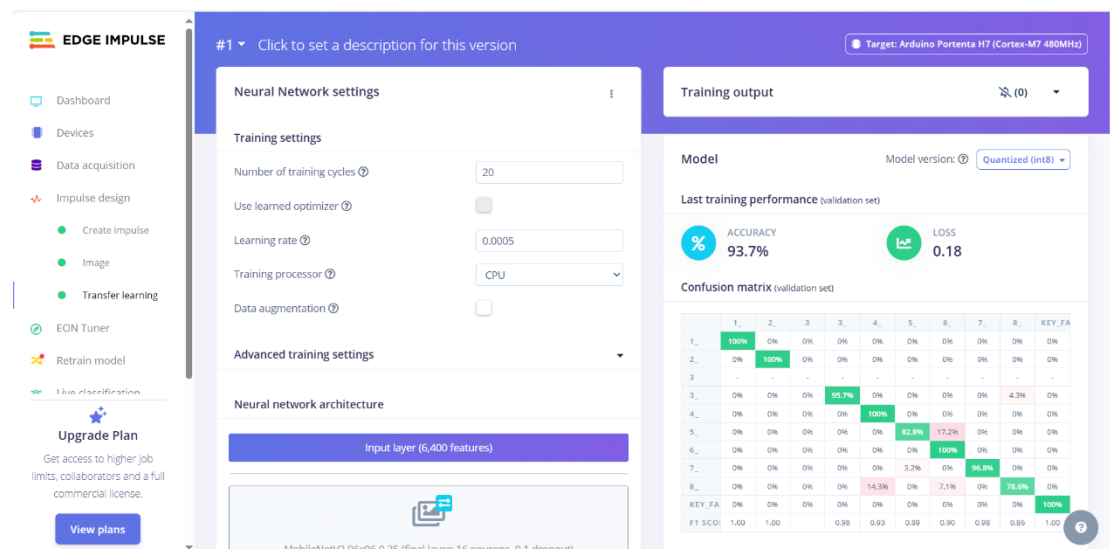
18、点击左侧 Impulse design 中的 Image，此处选择是灰度图片还是 RGB 的彩色图片。



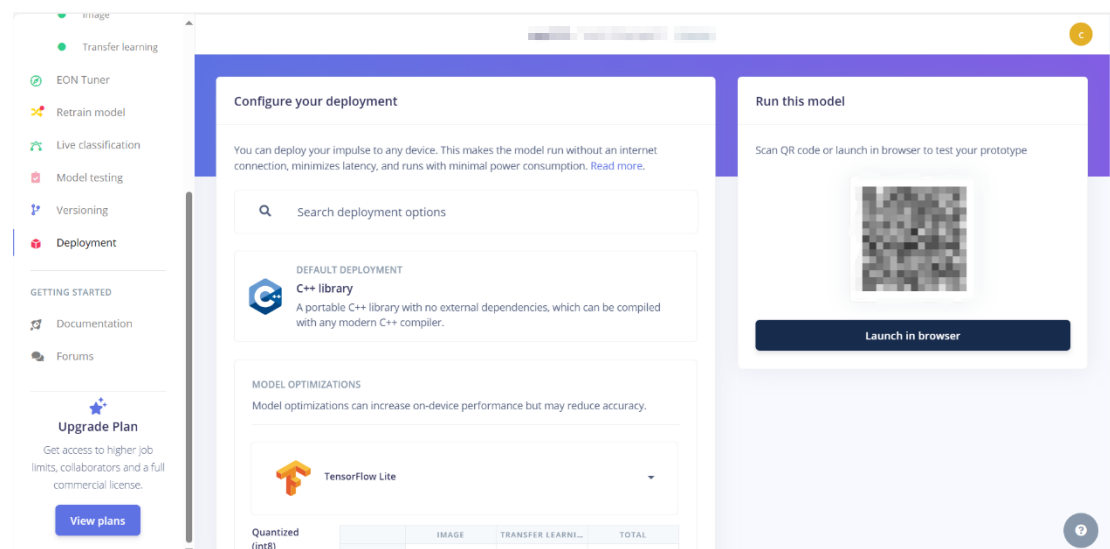
19、点击左侧 generate features，点击生成 generate features。



20、点击左侧 Impulse design 中的 Transfer learning，此处调节参数，但是默认即可。



20、点击左侧 deployment。



21、选择 openmv firmware

The screenshot shows the 'Deployment' tab in the EdgeImpulse interface. On the left is a sidebar with navigation options. The main area displays 'SELECTED DEPLOYMENT' as 'OpenMV Firmware'. Below this, 'MODEL OPTIMIZATIONS' are shown with two tables: 'Quantized (int8)' and 'Unoptimized (float32)'. The 'Quantized' table shows a total latency of 70 ms, while the 'Unoptimized' table shows 181 ms. A 'Launch in browser' button is visible on the right, and a 'Run model testing' button is at the bottom right.

	IMAGE	TRANSFER LEARN...	TOTAL
LATENCY	1 ms.	69 ms.	70 ms.
RAM	4.0K	270.8K	270.8K
FLASH	-	681.5K	-
ACCURACY	-	-	-

	IMAGE	TRANSFER LEARN...	TOTAL
LATENCY	1 ms.	180 ms.	181 ms.
RAM	4.0K	824.4K	824.4K
FLASH	-	1.7M	-
ACCURACY	-	-	-

22、build

This screenshot shows the 'Build' step in the EdgeImpulse interface. The 'MODEL OPTIMIZATIONS' section is visible, showing the same latency and memory requirements as in the previous step. A large blue 'Build' button is prominently displayed at the bottom of the main content area.

23、等待 build output 完成

The screenshot shows the 'Build output' window, which displays the progress of the build process. The output text includes steps like 'Calculating arena size for "Transfer learning" OK', 'Writing templates...', 'Scheduling job in cluster...', 'Container image pulled!', 'Job started', 'Exporting TensorFlow Lite model...', 'Found operators', 'Exporting TensorFlow Lite model OK', 'Removing clutter...', 'Copying output...', and 'Scheduling job in cluster...'. The window has a 'Cancel' button in the top right corner.

24、下载文件复制即可

名称	修改日期	类型	大小
 ei_image_classification.py	2021/11/4 8:50	Python File	2 KB
 labels.txt	2021/11/4 8:50	文本文档	1 KB
 trained.tflite	2021/11/4 8:50	TFLITE 文件	711 KB

