

mnn_example

alibaba MNN, mobilenet classifier, centerface detector, pfland landmarker and zqlandmarker, mobilefacenet

2020.02.21: add mobilefacenet

2020.02.20: use template to reduce the reaptly code in NMS

2020.02.18: refactor the project

2020.02.17: add zwnet and face database

2020.02.16: refactor the project and add zqlandmarker

2020.02.15: add pfland landmarker and face aligner

2020.02.14: add centerface detector

2020.02.05: add object detection

2020.01.28: add image classification

How to use?

1. convert model

classifier model comes from:

<https://github.com/tensorflow/models/tree/master/research/slim>

object detection model comes from: https://github.com/C-Aniruddh/realtime_object_recognition

```
./MNNConvert -f TF --modelFile mobilenet_v1_1.0_224_frozen.pb --MNNModel
mobilenet.mnn --bizCode MNN
```

```
./MNNConvert -f Caffe --modelFile MobileNetSSD_deploy.caffemodel --prototxt
MobileNetSSD_deploy.prototxt --MNNModel mobilenetssd.mnn --bizCode MNN
```

2. build

```
mkdir build && cd build && make -j3 && cd src && ./classifier && ./object &&
./face
```

3. classifier result:



4. object result:



5. face detection result:



6. TODO:

- ☒ add pose