

## Image-recognition

Caution: This document is not fully complete yet

[https://github.com/tue-robotics/image\\_recognition](https://github.com/tue-robotics/image_recognition)

Install image recognition

```
sudo apt-get install ros-kinetic-image-recognition
```

Annotate

[https://github.com/tue-robotics/image\\_recognition/tree/master/image\\_recognition\\_rqt](https://github.com/tue-robotics/image_recognition/tree/master/image_recognition_rqt)

```
roslaunch image_recognition_rqt annotation_gui
```

select topic name

select service:

image\_recognition\_msgs/Recognize

image\_recognition\_msgs/GetFaceProperties

Test after annotate

<https://www.youtube.com/watch?v=OJKYLB3myWw>

```
roslaunch image_recognition_rqt test_gui
```

Train neural network with tensorflow\_rqt

[https://github.com/tue-robotics/image\\_recognition/tree/master/image\\_recognition\\_tensorflow\\_rqt](https://github.com/tue-robotics/image_recognition/tree/master/image_recognition_tensorflow_rqt)

```
roslaunch image_recognition_tensorflow_rqt train_gui
```