

README

This project has realized the ultra-wide OCTA image quality assessment based on the VIT and Inception-V3 network.

Features

- Image quality assessment
- Vision Transformer
- Inception-V3

Install

The following development environment needs to be installed

```
torch
torchvision
torchmetrics
tqdm
segmentation-models-pytorch==0.2.1
scikit-learn
opencv-python
albumentations[imgaug]
matplotlib
```

Data preparation

- Modify the storage path in the code according to the data set storage location;
- Create a new " logs" folder under the root directory of the source file.

Config

- Before training or testing the model, open config.py to change the configuration you use during training and testing.

Run

Vision Transformer

```
python main.py --model vit --KK 0 --visname 2_vit_mix_cut_KK0_pre
```

Inception-V3

```
python main.py --model inceptv3 --KK 0 --visname 2_vit_mix_cut_KK0_pre
```

Result

You can view various parameters during training and testing in the " logs" folder.