2023 Synopsys ARC AIoT Design Contest

Smart Analog Gauge Reader Applied in Traditional Factory

Software version

- python = 3.8.0
- tensorflow=2.5.0

Hardware specification

- GPU
  - NVIDIA GeForce GTX 1080 Ti
  - NVIDIA GeForce GTX 2080 Ti

Create Environment

conda create -n 2023ARC python=3.8

Activate Environment

conda activate 2023ARC

Installation

conda install jupyter notebook

pip install tensorflow-gpu==2.5.0

conda install numpy==1.23.4

conda install matplotlib

conda install pandas

conda install -c anaconda scikit-learn

conda install –c conda-forge keras

pip install opencv-python

pip install tqdm