Make environment . Python version is 3.6

cd C3D-v1.0/python/

pip install -r requirements.txt

conda install -c conda-forge libprotobuf

conda install -c anaconda leveldb

conda install -c mvn libsnappy

conda install -c anaconda libopencv  
conda install -c statiskit libboost

conda install -c anaconda hdf5

conda install -c conda-forge glog

conda install -c conda-forge ffmpeg

conda install -c conda-forge opencv

In environment folder,(ex. c3d\_py36)

mkdir -p ./etc/conda/activate.d

mkdir -p ./etc/conda/deactivate.d

touch ./etc/conda/activate.d/env\_vars.sh

touch ./etc/conda/deactivate.d/env\_vars.sh

cd ./etc/conda/activate.d/

vim env\_vars.sh

export LD\_LIBRARY\_PATH = /home/callbarian/bin/miniconda3/envs/c3d\_py36/lib

Cd ./etc/conda/deactivate.d/

Vim env\_vars.sh

export LD\_LIBRARY\_PATH = /usr/lib

unset LD\_LIBRARY\_PATH

cd C3D-v1.0/

vim Makefile

line 226,1 check

CXXFLAGS += -pthread -fPIC $(COMMON\_FLAGS) -std=c++11

vim Makefile.config

Set the route for library

PYTHON\_INCLUDE := /home/your account(계정)/bin/miniconda3/envs/your environment(콘다환경)/include \

/home/your account(계정)/bin/miniconda3/envs/your environment(콘다환경)/include/python3.6m \

/home/your account(계정)/bin/miniconda3/envs/your environment(콘다환경)/lib/python3.6/site-packages/numpy/core/include

make clean

make all -j 32

cd /home/callbarian/C3D/C3D-v1.0/examples/c3d\_feature\_extraction

Vim run\_feature\_extraction.py

Check line 39, 41 and set your route

Ex) /home/callbarian/vidsurveil/videos

Vim extract\_C3D\_feature.py

Check line 669, 673 and set your route

Check line 852, 855, 856 and set your route

Make another environment. Python version is 3.6

Change the environment

cd AnomalyDetectionCVPR2018-master

pip install -r requirements.txt

Check line 147 and set your route

Check line 163 and set your route

ex) /home/callbarian/vidsurveil/videos

Check line 245 and set your route

ex) /home/callbarian/vidsurveil/saved\_videos/

Run ‘run\_feature\_extraction.py’ for split

Run ‘extract\_C3D\_feature.py’ for feature extraction

Run ‘Demo.Gui.py’ for analysis and detection. Videos will be saved if anomaly is detected.

Features are saved in ‘videos’.

Anomaly videos are saved in ‘saved\_videos’