source ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/environment-setup

qt랩 설치 문서 와 같이 source

ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/environment-setup 를 들어간다. qt를 들어가기전에

pkg-config --cflags opencv

pkg-config --libs opency

## 를 통해 경로를 확인한다. (경로를 잘 기억해두자.)

```
peon@jeon-Z20NH-AS51B1U: ~
x-devkit/environment-setup
[linux-devkit]: ~> pkg-config --cflags opencv
-1/home/jeon/ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/sysroots/arm
v7ahf-neon-linux-gnueabi/usr/include/opencv
[linux-devkit]: ~>
[linux-devkit]: ~> pkg-config --libs opencv
-L/home/jeon/ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/sysroots/arm
v7ahf-neon-linux-gnueabi/usr/lib -L/home/jeon/ti-processor-sdk-linux-am57xx-evm-03.0
2.00.05/linux-devkit/sysroots/armv7ahf-neon-linux-gnueabi/usr/share/OpencV/3rdparty/
lib -lopencv_stitching -lopencv_superres -lopencv_videostab -lopencv_aruco -lopencv_
bgsegm -lopencv bioinspired -lopencv_ccalib -lopencv_cv -lopencv_dnm -lopencv_dpm -
lopencv_fuzzy -lopencv_line_descriptor -lopencv_optflow -lopencv_plot -lopencv_reg -
lopencv_saliency -lopencv_stereo -lopencv_structured_light -lopencv_rgbd -lopencv_su
rface_matching -lopencv_tracking -lopencv_datasets -lopencv_text -lopencv_face -lope
ncv_xfeatures2d -lopencv_shape -lopencv_video -lopencv_ximgproc -lopencv_calib3d -lo
pencv_features2d -lopencv_flann -lopencv_xobjdetect -lopencv_objdetect -lopencv_ml -
lopencv_timgproc -lopencv_highgui -lopencv_videoio -lopencv_imgcodecs -lopencv_photo -
lopencv_imgproc -lopencv_core
[linux-devkit]:~>
```

이제 큐티를 들어가자 문서를 새로만든다.(나는 test4 로 만들었다.)

test4.pro 를 가서

아까 보았던 경로들을 복사한다.

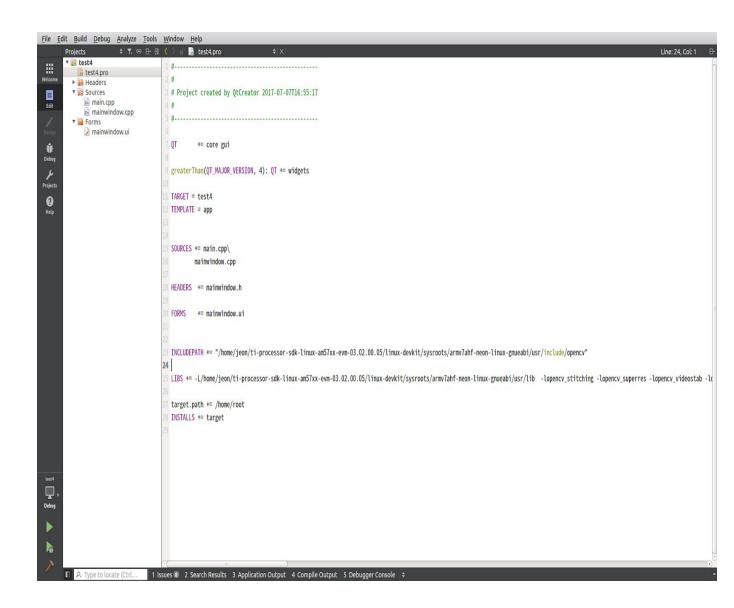
## INCLUDEPATH +=

"/home/jeon/ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/sysroots/armv7ahf-neon-linux-gnueabi/usr/include/opencv"

## LIBS +=

- -L/home/jeon/ti-processor-sdk-linux-am57xx-evm-03.02.00.05/linux-devkit/sysroots/armv7ahf
- -neon-linux-gnueabi/usr/lib -lopencv\_stitching -lopencv\_superres -lopencv\_videostab
- -lopency aruco -lopency bgsegm -lopency bioinspired -lopency ccalib -lopency cvv
- -lopencv\_dnn -lopencv\_dpm -lopencv\_fuzzy -lopencv\_line\_descriptor -lopencv\_optflow
- -lopency plot -lopency reg -lopency saliency -lopency stereo -lopency structured light
- -lopency\_rgbd -lopency\_surface\_matching -lopency\_tracking -lopency\_datasets
- -lopencv\_text -lopencv\_face -lopencv\_xfeatures2d -lopencv\_shape -lopencv\_video
- -lopency ximgproc -lopency calib3d -lopency features2d -lopency flann

-lopencv\_xobjdetect -lopencv\_objdetect -lopencv\_ml -lopencv\_xphoto -lopencv\_highgui -lopencv\_videoio -lopencv\_imgcodecs -lopencv\_photo -lopencv\_imgproc -lopencv\_core

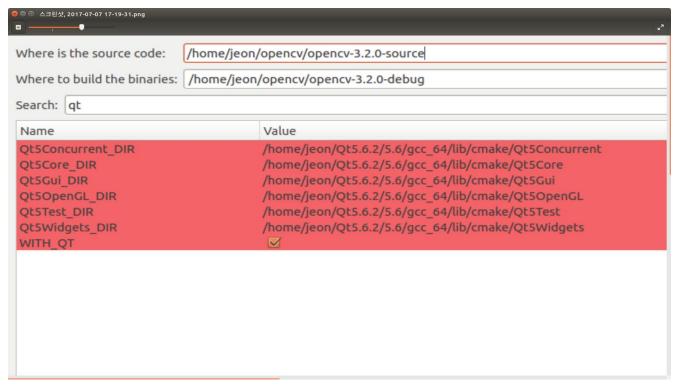


main.cpp 에 소스를 작성하면된다. opencv 를 작성한후 컴파일을 해보자.

만약 이렇게 했는데도 실행이 안되면 .cmake 를 해보자 .

https://www.youtube.com/watch?v=qA46fvP3O5A&t=389s

이거와 같이 하면 된다.



내가 동영상 보면서 수정했던 부분들

주의사항 : qt를 하기전에 컴터로 opencv 소스를 만들었으면 cap id를 0으로 잡았을 거다. dsp 포트번호에 맞게 번호를 잡아주자(ex : 0에서 1로)