

Qt Setup and openCV: <https://www.youtube.com/watch?v=ZOSu-2Oju-A&list=PLYUJFzTcfkHwZzUejtQtEZe5ILP0egU7n&index=13>

Qcustomplot download: <https://www.qcustomplot.com/index.php/download>

Note: choose your qt version.

.Pro file:

```
QT += core gui
QT += core gui charts

greaterThan(QT_MAJOR_VERSION, 4): QT += widgets printsupport

CONFIG += c++17

INCLUDEPATH += C:\Users\Arwar\Desktop\OpenCv\opencv\release\install\include

LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_core478.dll
LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_highgui478.dll
LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_imgcodecs478.dll
LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_imgproc478.dll
LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_calib3d478.dll
LIBS += C:\Users\Arwar\Desktop\OpenCv\opencv\release\bin\libopencv_calib3d478.dll

# You can make your code fail to compile if it uses deprecated APIs.
# In order to do so, uncomment the following line.
#DEFINES += QT_DISABLE_DEPRECATED_BEFORE=0x060000 # disables all the APIs deprecated before Qt 6.0.0

SOURCES += \
    Filters/convolution.cpp \
    Filters/edge_detection.cpp \
    Filters/gaussian.cpp \
    Frequency/frequency.cpp \
    Histogram/Histogram.cpp \
    Noise/noise.cpp \
    Noise/remove_noise.cpp \
    Threshold/Thresholding.cpp \
    cannyparameters.cpp \
    gaussiannoiseparameters.cpp \
    ImageClass.cpp \
    main.cpp \
    mainwindow.cpp \
    qcustomplot.cpp \
    saltpepperparameters.cpp \
    thresholdwindow.cpp \
    uniformnoiseparameters.cpp

HEADERS += \
    Filters/convolution.hpp \
    Filters/edge_detection.hpp \
    Filters/gaussian.hpp \
    Frequency/frequency.hpp \
    Histogram/Histogram.hpp \
    Noise/noise.hpp \
    Noise/remove_noise.hpp \
    Common.hpp \
    Threshold.hpp \
    Threshold/Thresholding.hpp \
    cannyparameters.h \
    gaussiannoiseparameters.h \
    ImageClass.hpp \
    mainwindow.h \
    qcustomplot.h \
    saltpepperparameters.h \
    thresholdwindow.h \
    uniformnoiseparameters.h

FORMS += \
    cannyparameters.ui \
    gaussiannoiseparameters.ui \
    mainwindow.ui \
    saltpepperparameters.ui \
    thresholdwindow.ui \
    uniformnoiseparameters.ui

# Default rules for deployment.
qnx: target.path = /tmp/$(TARGET)/bin
else: unix:android: target.path = /opt/$(TARGET)/bin
isEmpty(target.path): INSTALLS += target
```

```
DISTFILES += \  
  .gitignore \  
  Icons/DropdownIcon.png \  
  Icons/FilterIcon.png \  
  Icons/Histogram.png \  
  Icons/NoiseIcon.png \  
  Icons/Threshold.jpg \  
  Icons/UploadIcon.png \  
  Icons/close.png \  
  Icons/convert_color_to_gray.png \  
  Icons/edge_detection.png \  
  Icons/hybrid.png \  
  Images/Haley-Powers-photo-1546921919-d445a1a9c18c.jpg \  
  Images/Kalen-Emley-photo-1464822759923-fed622ff2c3b.jpg \  
  Images/Kara-Eads-photo-1554995297-c18c293692cb.jpg \  
  Images/Matteo-Catanese-photo-1518391846815-55a0cc083b25.jpg \  
  Images/lenna.png \  
  Images/sudoku.png  
  
RESOURCES += \  
  Fonts.qrc \  
  Fonts.qrc \  
  Fonts.qrc \  
  Icons.qrc \  
  Icons.qrc \  
  Icons.qrc
```