

#1. Configure RealSense

>###Install the driver of RealSense F200/R200

EX:

intel_rs_dcm_f200_1.4.27.41944.exe
intel_rs_dcm_r200_2.0.3.39488.exe

>####\$ (RSSDK_DIR) / props

VS2010-13.Integration.MD.props
VS2010-13.Integration.MT.props

>####Visual Studio 2010-2013 Integration:

- . Open property manager in view->PropertyManager. For multi-threaded runtime projects, add property sheet VS2010-13.Integration.MT.props to all Debug/Release builds. For multi-threaded DLL runtime projects, add property sheet VS2010-13.Integration.MD.props to all Debug/Release builds.
- . Build your SDK projects

#2. Configure OpenCV 3.0

>###Install the Opencv 3.0 for Windows to

EX:

D:\OpenCV3.0

>####Configure environment variables

>>####System variables:

[Path] add D:\OpenCV3.0\opencv\build\x86\vc12\bin

>>####User variables:

new [opencv] = D:\OpenCV3.0\opencv\build\x86

>####New VS2013 Project

>>####Include directory:

EX:

D:\OpenCV3.0\opencv\build\include
D:\OpenCV3.0\opencv\build\include\opencv
D:\OpenCV3.0\opencv\build\include\opencv2

>>####Library directory:

EX:

D:\OpenCV3.0\opencv\build\x86\vc12\lib

>>####Linker->Input->Additional dependencies

opencv_ts300d.lib
opencv_world300d.lib
libjasperd.lib
libjpegd.lib
libpngd.lib
libtiffd.lib
libwebpd.lib
opencv_calib3d300d.lib
opencv_core300d.lib
opencv_features2d300d.lib
opencv_flann300d.lib
opencv_highgui300d.lib
opencv_imgcodecs300d.lib
opencv_imgproc300d.lib
opencv_ml300d.lib
opencv_objdetect300d.lib
opencv_photo300d.lib
opencv_shape300d.lib
opencv_stitching300d.lib
opencv_superres300d.lib
opencv_video300d.lib
opencv_videoio300d.lib
opencv_videostab300d.lib
zlibd.lib
msvcrtd.lib

libcmdt.lib

#3. Usage

>###Train the dataset and save model

EX:

```
string dir = "C:\\Users\\yiyangzh\\Desktop\\Mug\\DATASET\\";  
HOG_SVM hog_svm;  
hog_svm.EndToEnd(dir);
```

>###DataSet Dir Configure

EX:

```
dir is at      D:\\DATASET-MUG  
train:         D:\\DATASET-MUG\\train\\1  
               D:\\DATASET-MUG\\trian\\-1  
test:          D:\\DATASET-MUG\\test\\1  
               D:\\DATASET-MUG\\test\\-1
```