**//model conversion and compile //**

**//LeNet MNIST**

cd /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/

python3 mo.py --input\_model ~/my\_model/test.caffemodel --output\_dir ~/my\_model

cd ~/sample

g++ -o sample1 -std=c++11 main\_test.cpp -I$INTEL\_CVSDK\_DIR/opencv/include -I$INTEL\_CVSDK\_DIR/deployment\_tools/inference\_engine/include -L$IE\_PLUGINS\_PATH -L$INTEL\_CVSDK\_DIR/opencv/lib -ldl -lopencv\_core -lopencv\_imgproc -lopencv\_imgcodecs -linference\_engine -lopencv\_video -lopencv\_highgui -lopencv\_videoio

./sample1

**//ssd300**

cd /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/

python3 mo.py --input\_model ~/my\_model/ssd300.caffemodel --output\_dir ~/my\_model --data\_type FP16

cd ~/sample

g++ -o sample1 -std=c++11 main\_ssd.cpp -I$INTEL\_CVSDK\_DIR/opencv/include -I$INTEL\_CVSDK\_DIR/deployment\_tools/inference\_engine/include -L$IE\_PLUGINS\_PATH -L$INTEL\_CVSDK\_DIR/opencv/lib -ldl -lopencv\_core -lopencv\_imgproc -lopencv\_imgcodecs -linference\_engine -lopencv\_video -lopencv\_highgui -lopencv\_videoio

./sample1

**//mobilenet-ssd**

cd /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/

python3 mo.py --input\_model ~/my\_model/mobilenet-ssd.caffemodel --output\_dir ~/my\_model –data\_type FP16

cd ~/sample

g++ -o sample1 -std=c++11 main\_mobilenet.cpp -I$INTEL\_CVSDK\_DIR/opencv/include -I$INTEL\_CVSDK\_DIR/deployment\_tools/inference\_engine/include -L$IE\_PLUGINS\_PATH -L$INTEL\_CVSDK\_DIR/opencv/lib -ldl -lopencv\_core -lopencv\_imgproc -lopencv\_imgcodecs -linference\_engine -lopencv\_video -lopencv\_highgui -lopencv\_videoio

./sample1

**//cifa10**

cd ~/sample\_code/opt-intel-computer\_vision\_sdk-deployment\_tools-model\_optimizer-mo-front-caffe-proto/

sudo cp ./caffe\_pb2.py /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/mo/front/caffe/proto/

cd /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/

python3 mo.py --input\_model ~/my\_model/cifar.caffemodel --output\_dir ~/my\_model

cd ~/sample

g++ -o sample1 -std=c++11 main\_cifar.cpp -I$INTEL\_CVSDK\_DIR/opencv/include -I$INTEL\_CVSDK\_DIR/deployment\_tools/inference\_engine/include -L$IE\_PLUGINS\_PATH -L$INTEL\_CVSDK\_DIR/opencv/lib -ldl -lopencv\_core -lopencv\_imgproc -lopencv\_imgcodecs -linference\_engine -lopencv\_video -lopencv\_highgui -lopencv\_videoio

./sample1

**//cifar10 Video input**

g++ -o sample1 -std=c++11 main\_cifar\_camera.cpp -I$INTEL\_CVSDK\_DIR/opencv/include -I$INTEL\_CVSDK\_DIR/deployment\_tools/inference\_engine/include -L$IE\_PLUGINS\_PATH -L$INTEL\_CVSDK\_DIR/opencv/lib -ldl -lopencv\_core -lopencv\_imgproc -lopencv\_imgcodecs -linference\_engine -lopencv\_video -lopencv\_highgui -lopencv\_videoio

./sample1

cd ~/sample\_code/R2\_caffe\_pb2

sudo cp ./caffe\_pb2.py /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/mo/front/caffe/proto/

cd /opt/intel/computer\_vision\_sdk/deployment\_tools/model\_optimizer/

python3 mo.py --input\_model ~/my\_model/ssd300.caffemodel --output\_dir ~/my\_model

cd ~/sample