**Cifar10 download**

cd ~/work/caffe

./data/cifar10/get\_cifar10.sh

**Save Images files to png**

cd ~/work/caffe/cifar2png

g++ cifar2png.cpp -std=gnu++11 -o cifar2png -I /opt/intel/computer\_vision\_sdk/opencv/include -L /opt/intel/computer\_vision\_sdk/opencv/lib -lopencv\_core -lopencv\_videoio -lopencv\_imgcodecs -lopencv\_imgproc -lopencv\_highgui

**Capture Images from camera**

./cifar2png

g++ caphand.cpp -o caphand -I /opt/intel/computer\_vision\_sdk/opencv/include -L /opt/intel/computer\_vision\_sdk/opencv/lib -lopencv\_core -lopencv\_videoio -lopencv\_imgcodecs -lopencv\_imgproc -lopencv\_highgui

./caphand

**Create DB**

export LD\_LIBRARY\_PATH=/home/intel/work/caffe/build/lib/:$LD\_LIBRARY\_PATH

g++ createdb.cpp -std=gnu++11 -o createdb -I /home/intel/work/caffe/build/include -I /home/intel/work/caffe/include -L /home/intel/work/caffe/build/lib -L /usr/lib/x86\_64-linux-gpu -lopencv\_core -lopencv\_imgproc -lopencv\_highgui -lcaffe -lboost\_system -lprotobuf

./createdb

**Create Image\_mean**

cd ~/work/caffe

./build/tools/compute\_image\_mean -backend=lmdb examples/study/study\_train\_lmdb examples/study/mean.binaryproto

**Model training**

cd ~/work/caffe

./examples/study/train\_full.sh