You will learn to how to setup and run demo in this guide.

Setup and run demo (Pedestrian Tracker)

1. Build directory for demo
mkdir OpenVINO-samples-build
cd OpenVINO-samples-build

2. Build Cmake inference engine samples
cmake /opt/intel/computer_vision_sdk/inference_engine/samples/

3. Build demo (Choose to specify or build all)
(make <demo_name> only builds specified demo, you can build all demos by entering “make” only)
make pedestrian_tracker_demo

4. Export models
export models=/opt/intel/computer_vision_sdk/deployment_tools/intel_models/
cd intel64/Release

5. Put input video file in intel64/Release

6. Run demo (Specify INPUT DIR, M_DET (name of model.xml) & M_REID (name of model.xml)

e.g) ./pedestrian_tracker_demo -i ~/OpenVINO-samples-build/intel64/Release/video.mp4 -m_det $models/person-detection-retail-0013/FP32/person-detection-retail-0013.xml d_det CPU -m_reid $models/person-reidentification-retail-0031/FP32/person-reidentification-retail-0031.xml d_reid CPU

Loading demo with setup done (Pedestrian Tracker)

1. cd /opt/intel/computer_vision_sdk/
source bin/setupvars.sh

2. Export models
export models=/opt/intel/computer_vision_sdk/deployment_tools/intel_models/
cd intel64/Release

3. Run demo (Specify INPUT DIR, M_DET (name of model.xml) & M_REID (name of model.xml)

./pedestrian_tracker_demo
-i ~/OpenVINO-samples-build/intel64/Release/video.mp4
-m_det $models/person-detection-retail-0013/FP32/person-detection-retail-0013.xml
d_det CPU

-m_reid $models/person-reidentification-retail-0031/FP32/person-reidentification-retail-0031.xml
d_reid CPU

Using another demo

- **Build demo, then export model and run demo (Note that when using another demo, the .xml files for -m/-m_det/-m_reid have to change as well)**

./human_pose_estimation_demo -i ~/OpenVINO-samples-build/intel64/Release/video.mp4 -m $models/human-pose-estimation-0001/FP32/human-pose-estimation-0001.xml