

ORB-SLAM2 将编译出什么结果？有几个库文件和可执行文件？

回答：

根据 ORB-SLAM2 代码目录下的 CMakeLists.txt，可以看出：

包含库文件有

src/System.cc

src/Tracking.cc

src/LocalMapping.cc

src/LoopClosing.cc

src/ORBextractor.cc

src/ORBmatcher.cc

src/FrameDrawer.cc

src/Converter.cc

src/MapPoint.cc

src/KeyFrame.cc

src/Map.cc

src/MapDrawer.cc

src/Optimizer.cc

src/PnPsolver.cc

src/Frame.cc

src/KeyFrameDatabase.cc

src/Sim3Solver.cc

src/Initializer.cc

src/Viewer.cc

再链接上

OpenCV_LIBS

EIGEN3_LIBS

Pangolin_LIBRARIES

\${PROJECT_SOURCE_DIR}/Thirdparty/DBoW2/lib/libDBoW2.so

```
${PROJECT_SOURCE_DIR}/Thirdparty/g2o/lib/libg2o.so
```

所以包含的库文件一共有 24 个。

生成可执行文件一共有 6 个，如下所示。

```
add_executable(rgbd_tum
Examples/RGB-D/rgbd_tum.cc)
```

```
add_executable(stereo_kitti
Examples/Stereo/stereo_kitti.cc)
```

```
add_executable(stereo_euroc
Examples/Stereo/stereo_euroc.cc)
```

```
add_executable(mono_tum
Examples/Monocular/mono_tum.cc)
```

```
add_executable(mono_kitti
Examples/Monocular/mono_kitti.cc)
```

```
add_executable(mono_euroc
Examples/Monocular/mono_euroc.cc)
```