# **Prototype Demo**

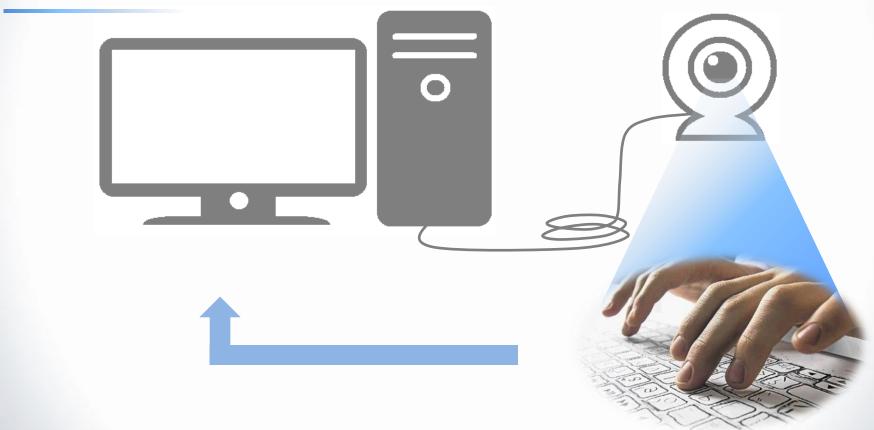
Finger Keyboard



#### **Contents**

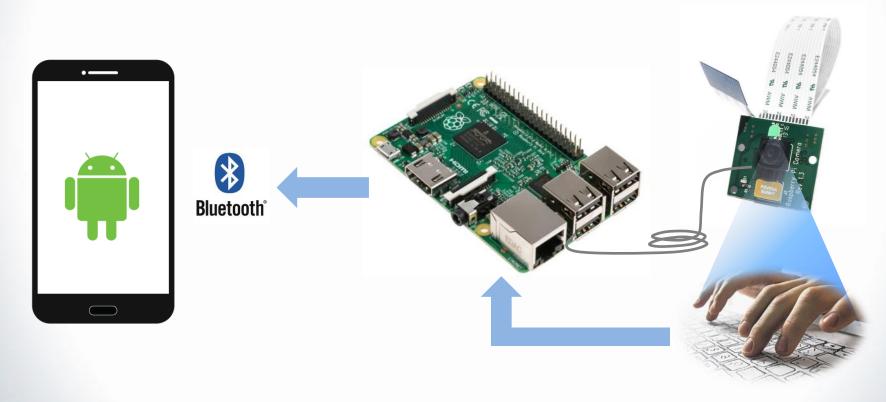
- 1. 프로젝트 소개
- 2. 구동 절차
- 3. 데모 비디오





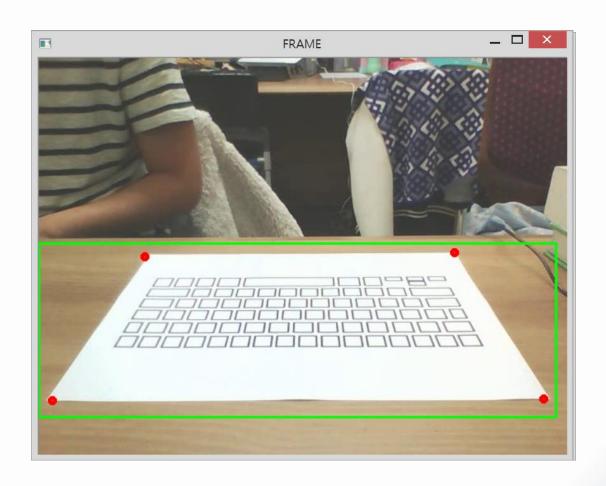


# 프로젝트 소개





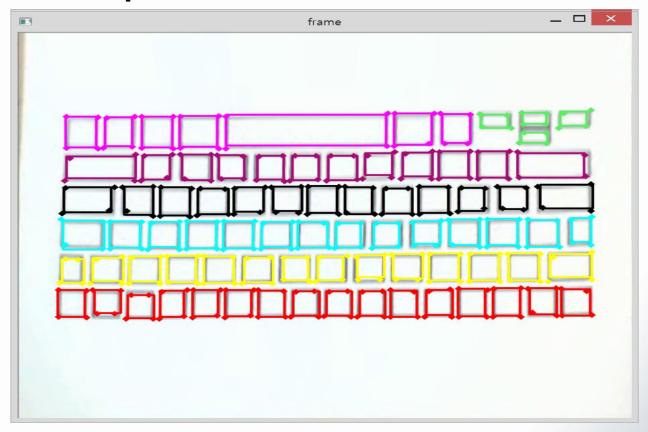
## **Set Image ROI**





#### **Key Data**

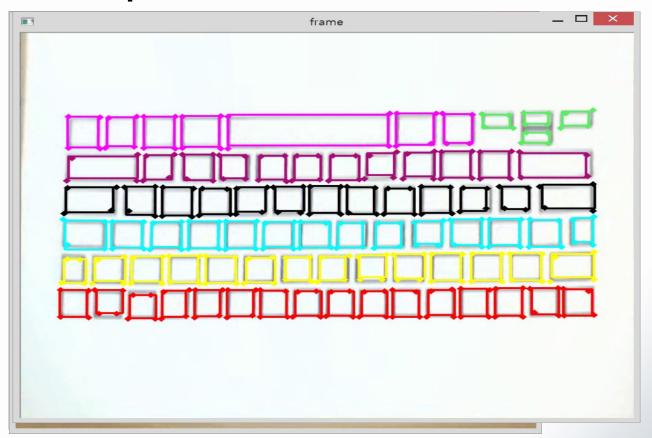
Perspective Transform





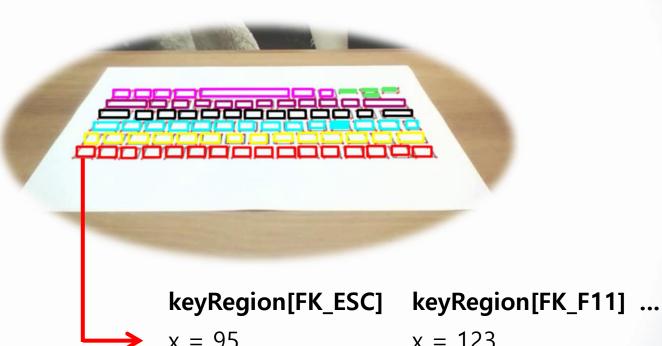
**Key Data** 

• Perspective Transform - Inverse





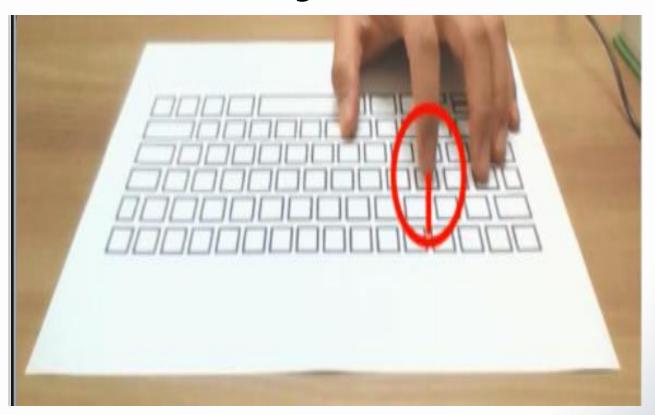
#### **Key Data**





### **Key Event**

Motion Tracking





03

#### **Demo Video**

```
Sorting.cpp
                                                           Test_4_9.cpp → × Main.cpp
                                                                                          GetVideo.cpp
                                                                                                           Main.cpp
                                                                                                                                                                                      types_c.h ' × ▼
                                                                                                                ▼ @ generate()
                               (전역 범위)
                                                          for(int i = 0 ; i < 4 ; i++)
솔루션 탐색기 검색(Ctrl+;)
                                533
                                                             cvResetImageROI(buffer[i]);
                                                          cvResetImageROI(siIh);
                                534
  ◢ ≨ 소스 파일
                                                         cvResetImageROI(mhi);
                                535
    ▶ ** DrawKeyboardROI.c
                                                         cvResetImageROI(moveMask);
                                536
     ▶ ** FingerCapture.cpp
                                537
                                                         cvResetImageROI(segmask);
     ▶ ** GetFrameSize.cpp
                                538
                                                         cvResetImageROI(orient);
     ▶ ** HandCapture.cpp
                                539
                                                         //cvResetImageROI(dstImage);
    Main.cpp
                                540
    ▶ ** RunningCapture.cpr
                                541
  ▷ 歸 외부 종속성
                                542
  ◢ ♬ 헤더 파일
                                              if(mode > ROI_CONFIRM && mode < CATCH_SKIN_COLOR)</pre>
                                543
     ▶ B Header.h
                                544
                                                  cvRectangleR(dstImage, kbRegion, CV_RGB(0, 255, 0), 2);
                                545
                                              //cvShowlmage("silh", silh);

■ KeyboardBoundary

                                              cvShowImage("FRAME", dstImage);
     ■ 리소스 파일
                                546
                                547
                                              //cvShowImage("motion", silh);
  ▲ 될 소스 파일
                                548
                                              char key = cvWaitKey(30);
     ▶ * CamTest.cpp
                                549
                                              if(key == 27)
     ▶ ** DrawRect.cpp
                                550
                                                  break;
     ** getCaptureSize.cpp
                                551
    ▶ ** GetCornerIdentified
                                552 }
     ▶ ** GetImage.cpp
     ▶ ** GetVideo.cpp
     ▶ ** ImageSort.cpp
    ▶ ** ImageTest.cpp
    ▶ ** Main.cpp
     ▶ * Sorting.cpp
    ▶ ** Test_4_9.cpp
  ▶ 歸 외부 종속성
  ◢ ♬ 헤더 파일
                                                                                    출력 보기 선택(S): 빌드
    ▶ B Header.h
```



