
진행상황 발표

Finger Keyboard



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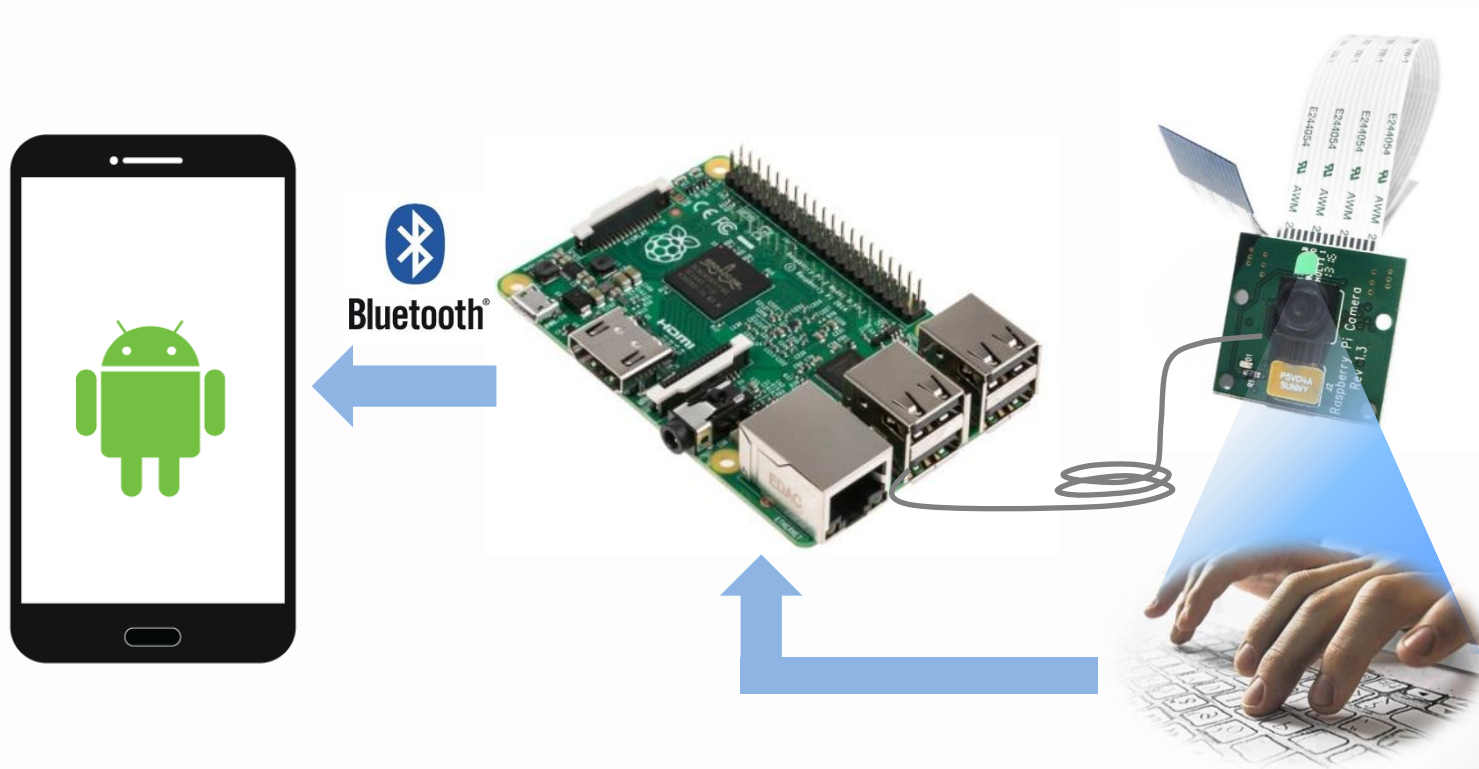
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2. 수행 결과
3. 문제점과 해결방법
4. 예정 작업



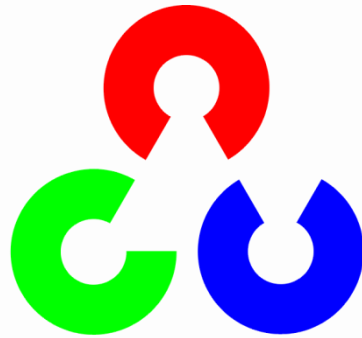
01

프로젝트 소개

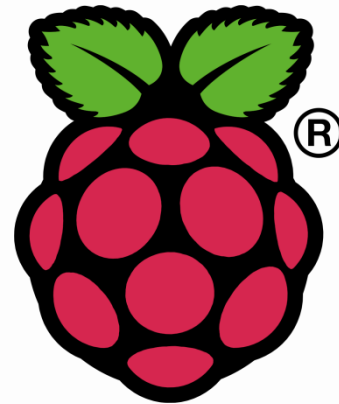




1. Open CV

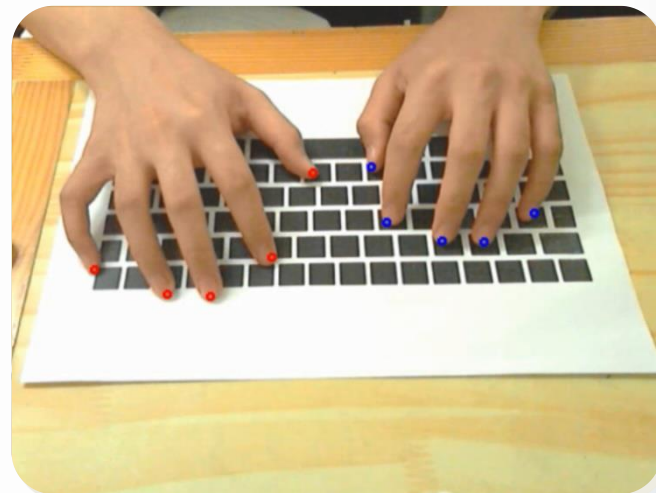


2. Raspberry Pi



1. Open CV

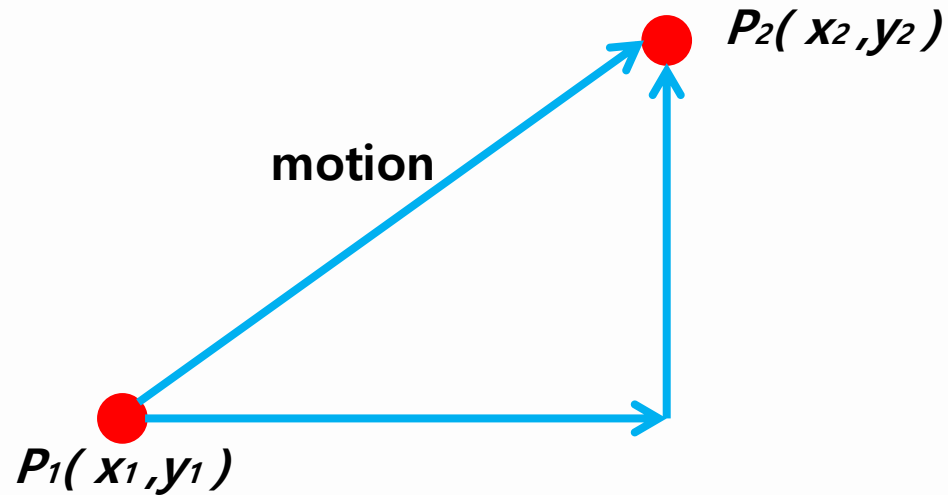
- Finger Tip Detection



1.Open CV



- Motion Vector



`graph[finger][frame] = motion`



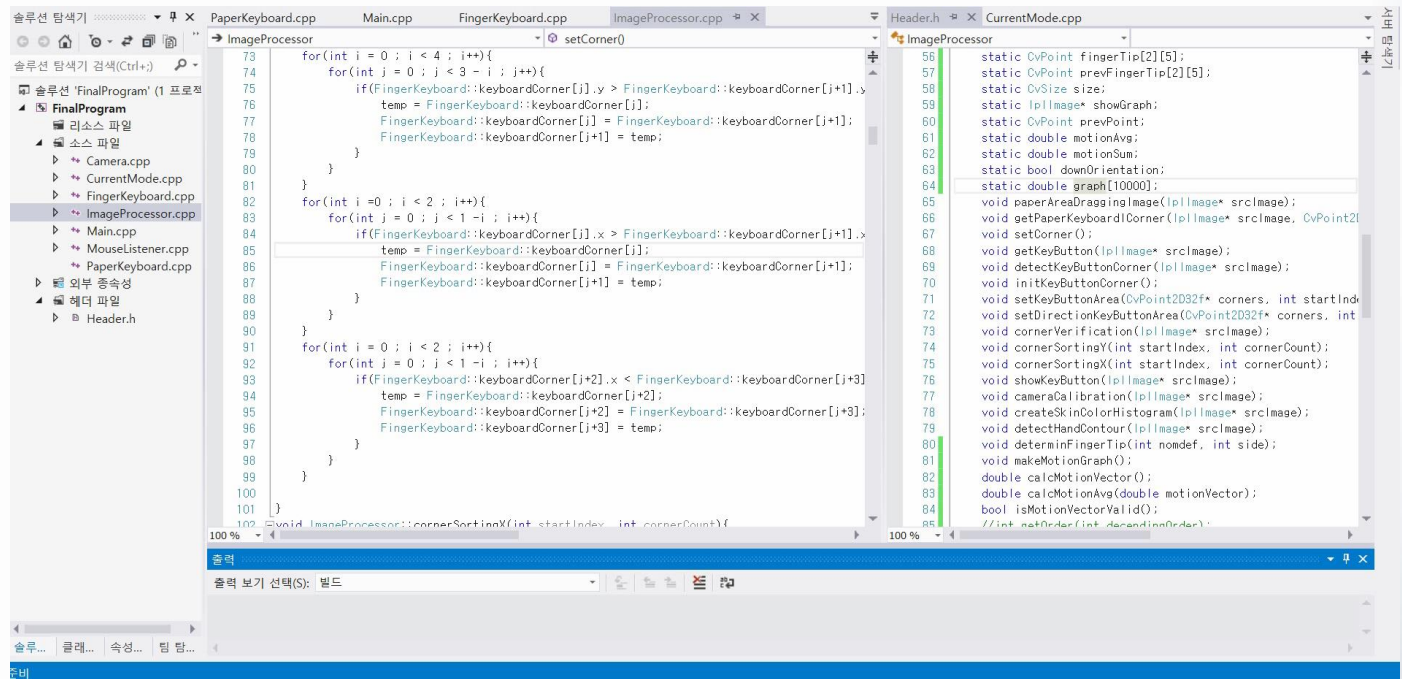
02

수행결과

1.Open CV



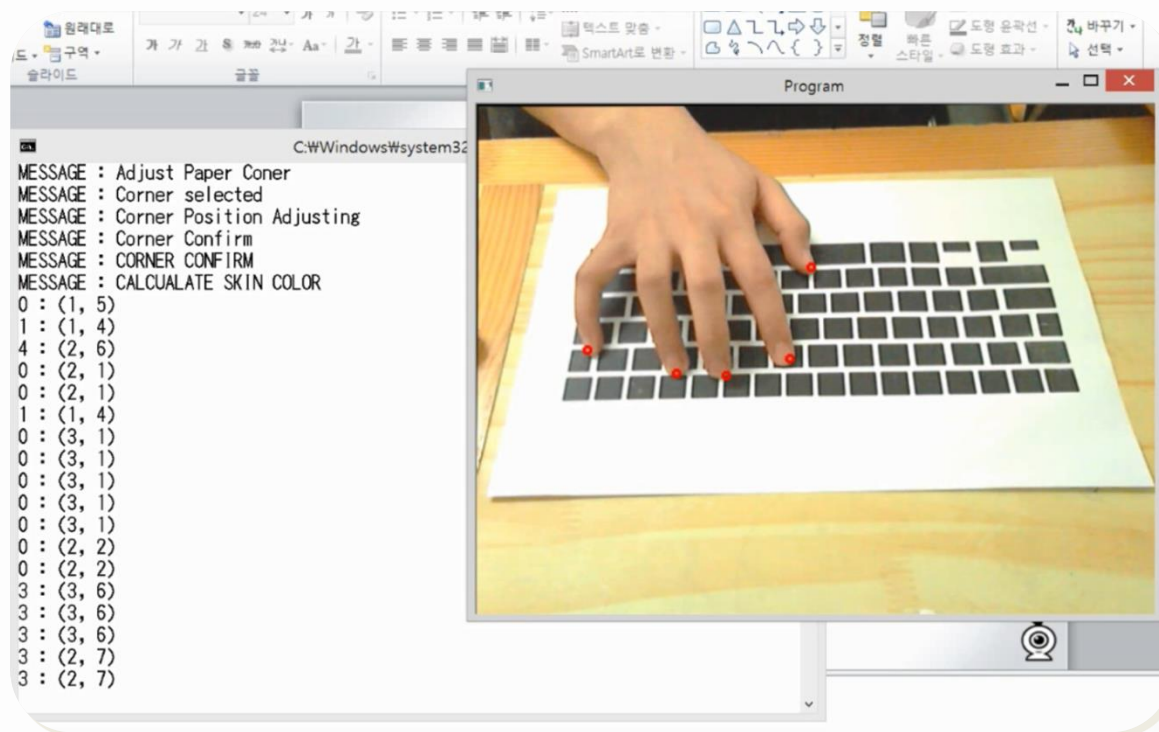
- Motion Vector



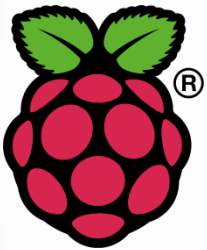
1. Open CV



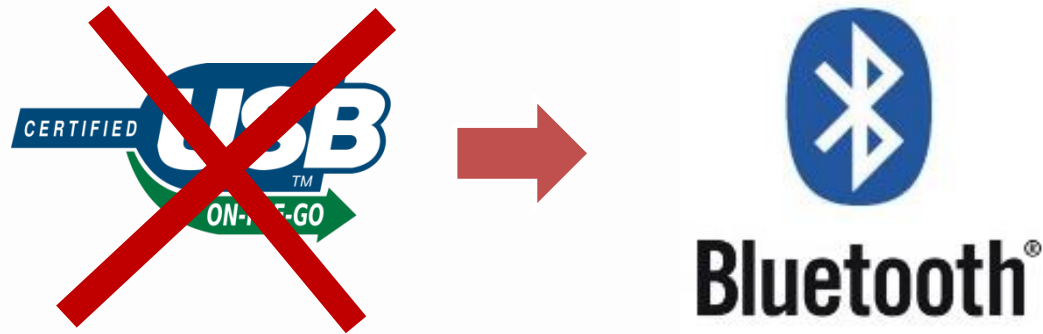
• Key Event



2. Raspberry Pi



1. Bluetooth 통신



2. SDP 프로토콜을 사용

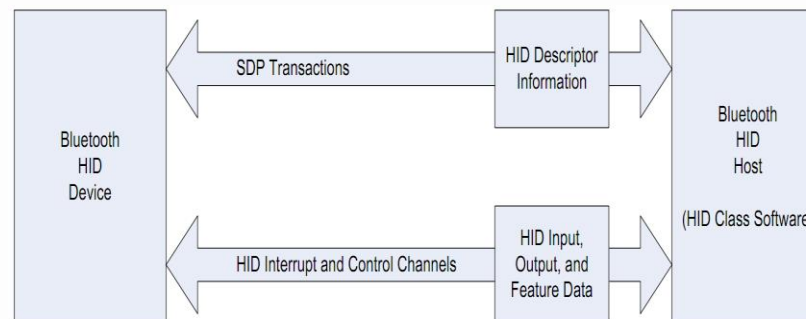


Figure 2.1: How Descriptors and Data are transferred from the HID Class Device



1.Open CV



움직임에 대한 Detecting 불안정

Testing과 Refactoring 통해 개선



1. Open CV



움직임에 대한 Detecting 정확도 개선

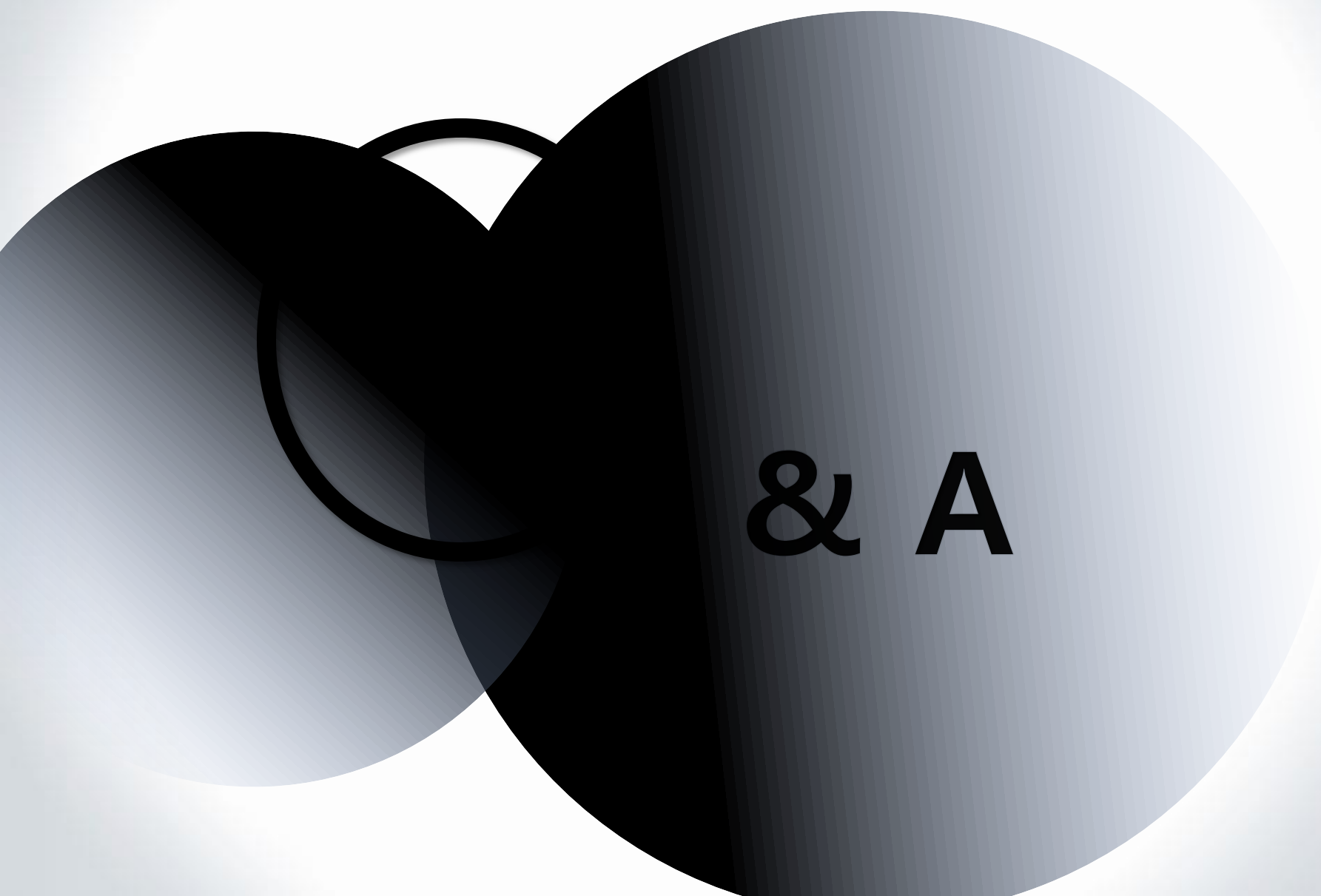
Single key 이벤트 처리

Modifier key 이벤트 처리

2. 기타 작업

UI 구현 및 단일 프로그램 완성





& A