



I-Hand

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Project Overview

I-Hand is a robotic hand that can finish some tasks based on operator's mind under different situations

Challenges

- Thumb movement is not as accurate as other fingers because the thumb is not long enough to be identified as a useful signal
- Bluetooth module cannot work as the distance exceeds 5 meters.

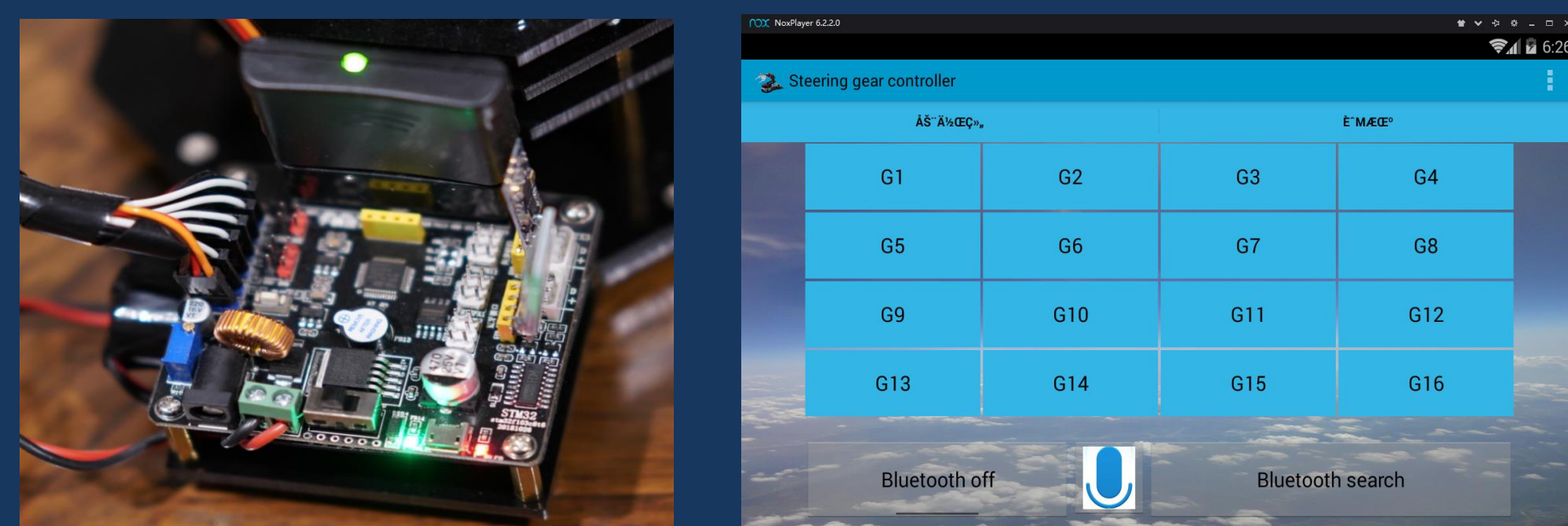
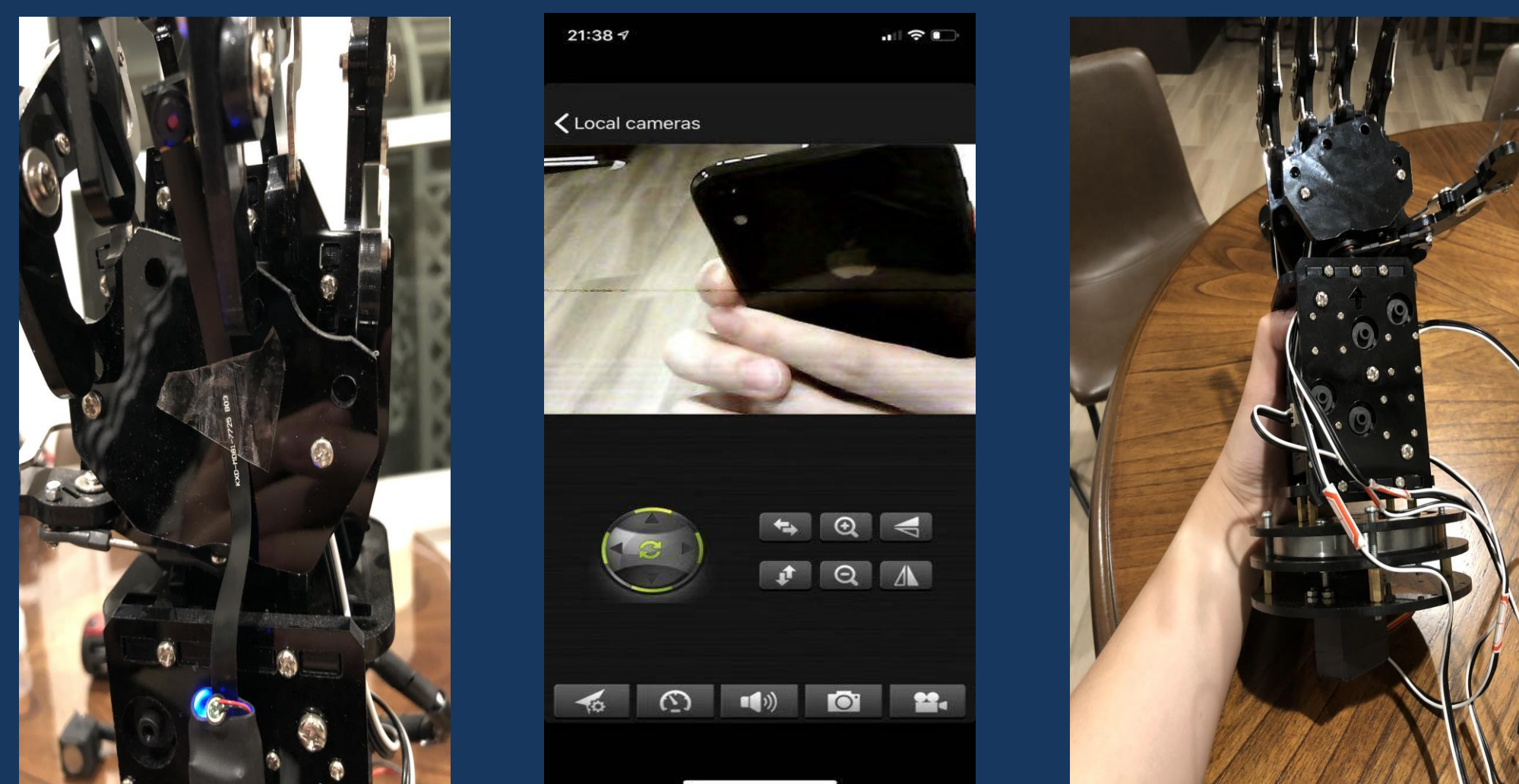
Reference



STM32F101xx, STM32F102xx, STM32F103xx, STM32F105xx and STM32F107xx advanced Arm®-based 32-bit MCUs

RM0008
Reference manual

Features

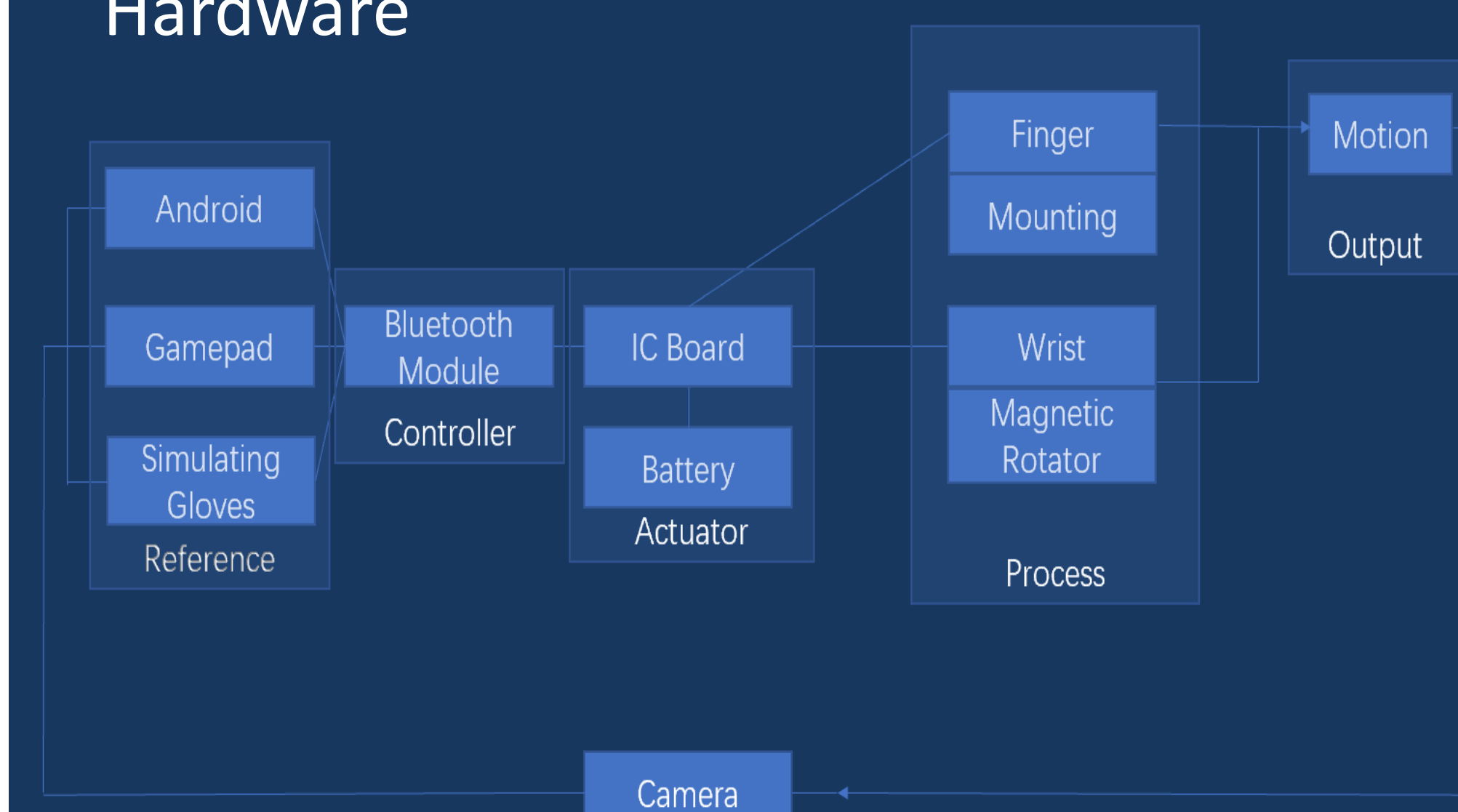


- Imitate human hand movement
- Multi Wireless Control
- Real time image of operation



Approach

Hardware



Software

