Lantern

Tobias Schaffner

Lantern

A mixed reality
device running
android things

Hardware
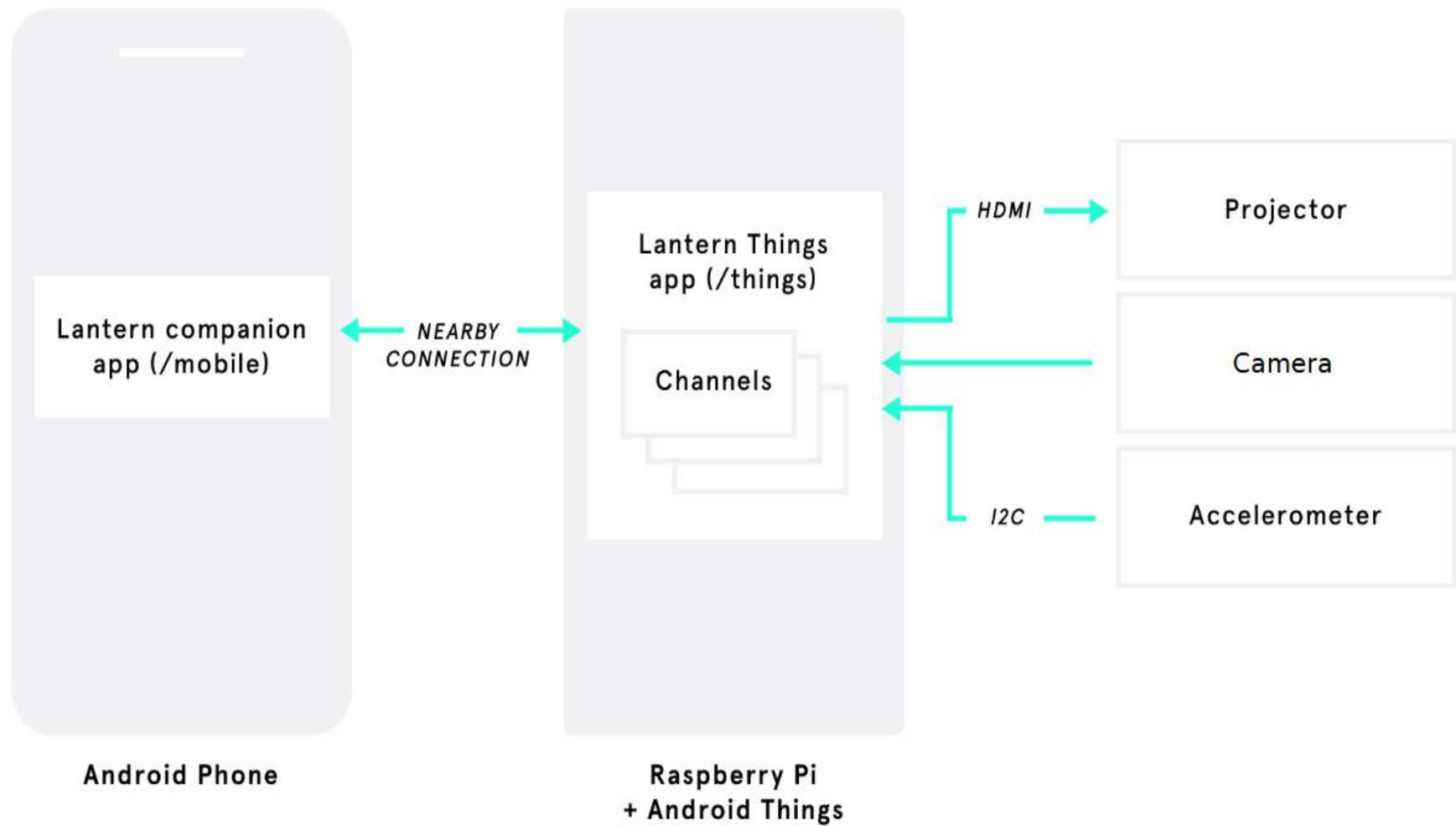
https://www.hackster.io/nord-projects/android-things-lantern-9f0c28

- **IKEA Tertial Lamp**

- **Raspberry PI running Android Things**

- **Rasperry PI Camera module**

- **UO Smart Beam Laser projector**

- **Acceleromter**

Software

https://github.com/nordprojects/lantern

- **Based on Android**

- **Java/Kotlin**

- **Channel concept (configurable app fragments)**

Lantern

Idea

- **Input with camera**

- **Output with projector**

- **Processing of input pictures something like OpenCV or Tensorflow opens countless possibilities**

Getting started

- **Stick to the documentation on**
  https://github.com/nordprojects/lantern

- **Please use your own phone for the companion app**

- **Connect with adb to the provided IP**

Questions?