

Specifications List

Required:

1. Head mounted wearable and portable device in a glasses form factor
2. Device should be running the Android Mobile Operating System (Android 4.2 or greater) and should be compatible with the Android app ecosystem
3. Developer kit should include a complete software developer kit (SDK)
4. Developer kit should have multiple inputs including: HDMI, USB, Audio (earphone and microphone), and Power
5. Device should include sensors including: 3D optics, RGB camera (5 MP or greater), proximity sensor, ambient light sensor, capacitive touch sensor, accelerometer, gyroscope, infrared depth sensor, and magnetometer
6. Hardware and software should be capable of hand detection for at least 10 fingers. Gesture recognition should be built in to the software to allow gestures such as touch, tap, swipe, pinch and zoom, and any other common computer gestures
7. Hardware and software should allow for head position tracking
8. Optics should be see-through with stereoscopic capability with a field of view of at least 28 degrees and a screen resolution of at least 1024x768