

Expanse

<https://github.com/joshpaulchan/expanse>

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What is Expanse?

Expanse is a VR desktop application virtualization system that renders the application windows from your host computer into a virtual scene. In this virtual scene, you can reposition, scale, and reorient windows in the 3-dimensional space around you, freeing yourself from the physical constraints of a monitor. It uses Google Cardboard and a phone as an HMD, the Kinect for hand-tracking, and a Windows PC to run the application.

Hardware Requirements

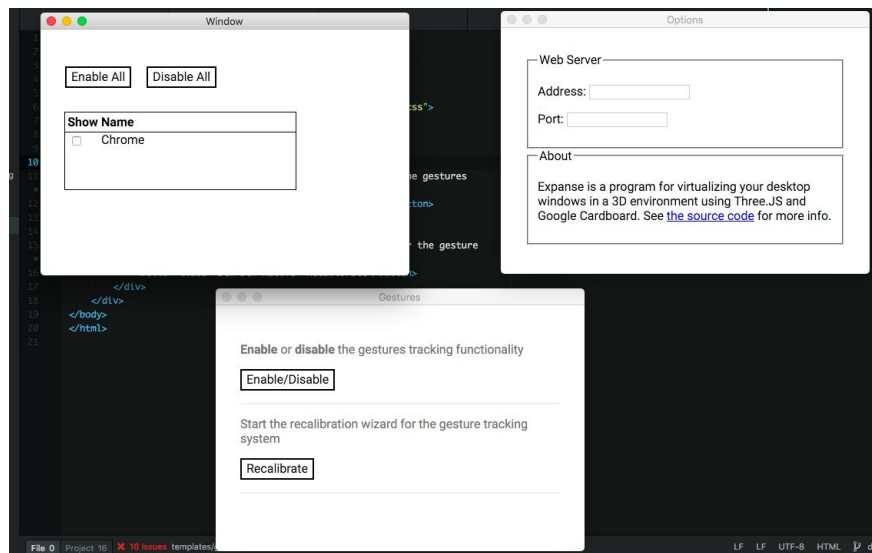
**See website for full hardware specifications (including Kinect, Smartphone)

Computer Specification

| | Min | Recommended |
|---------------------|---------------------------------------|---|
| OS | Windows 7/8 | Windows 7/8 |
| RAM | 2 GB | 4GB |
| Graphical Processor | Intel HD 4400(DX 11 supported) | Nvidia GTX 660(DX 11 supported) |
| Processor | 64 bit processor Dual-core 2.66Ghz | 64 bit processor Dual-core 3.1 Ghz or better |
| Storage | Any | Any |

Features

- + Easy-to-use GUI Interface
- + Low-cost
- + Immersive
- + Low Latency
- + High Productivity



System Diagram

