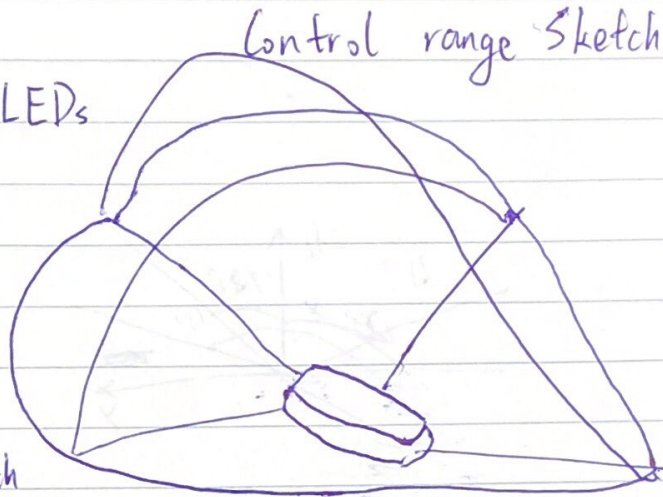


## Hardware

- 2 Cameras
- 3 Infrared LEDs

## Control Range

- 2 feet above
- 2 feet wide each side ( $150^\circ$ )
- 2 feet deep each side ( $120^\circ$ )



Total space: 8 cb ft

\* With Orion Beta Software, could extend to 2-6 ft above

## Software

- doesn't generate a depth map
- applies advanced algorithms to raw sensor data instead

## Processing flow:

Compensate background objects & ambient environment light →  
 Analyze image to reconstruct a 3D representation →  
 Tracking layer matches data to extract tracking info (center position) →  
 Leap Motion feeds results (series of frames, snapshots) into a transport protocol  
 → Service communicates w/ LEAP Motion Panel & native/web client libraries  
 (Through local socket connection, TCP/Websocket), organize data to an  
 object oriented API data structure (History management, helper functions) → Application Logic ties into  
 LEAP Motion input