

Know the Kinect

There is a [Tech Demo](#) from MicroSoft of what Kinect can do.

Kinect can do:

- Skeletal tracking in 3D space with human body joints
- IR image
- Depth image
- Spatial audio recording

Kinect can't do:

- High precision motion capture
- Hand(gesture)/face(landmark) tracking (with only native Kinect SDK)

** Kinect offers native support on Windows only

** For macOS users, the alternative option is to use webcam with OpenCV, MediaPipe for tracking. LeapMotion is also an option, but limited to hand and gesture on a smaller scale.

There are two versions of Kinect available from the Kit Room, Kinect for Windows V2 and Azure Kinect. The functionality is mostly the same, with some difference in specs and formfactor. Kinect for Windows V2 is set up and installed in the Darklab.



Kinect for Windows V2



Azure Kinect

Revision #6
Created 17 June 2025 09:54:19 by Ruiyang Wang
Updated 26 June 2025 10:01:49 by Ruiyang Wang