

# Types of Depth camera's

At HKU we have most of these camera's available. Inform about the possibilities at the Blackbox



**[kinect 360](#)**

[Kinect on Mac](#)

[Kinect on Pc](#)



**[Kinect One \(Xbox\)](#)**

[Kinect on Mac](#)

[Kinect on Pc](#)



**[Kinect Azure](#)**

[Kinect on Mac](#)

[Kinect on Pc](#)



**[RealSense](#)**



**[Orbec Astra](#)**

**[plugin for Touchdesigner](#)**



**[Orbec Femto Bolt & Mega](#)**



**[zed 2i](#)**

Camera for depth perception, motion and AI, the ZED 2i is a durable and versatile stereo camera that can be deployed in most environments. (also outside!)

**[Zed in Touchdesigner](#)**



### Oak D Lite

Spatial AI camera (open source) OAK stands for OpenCV AI Kit.

PC & Mac compatible, python setup necessary! For loan @ Blackbox

[Touchdesigner setup](#)

[Data sheet](#) or [datasheet](#)



### Leap motion 1



### Leap motion 2



### Hokuyo

The URG-04LX-UG01 scanning laser rangefinder is a low power, small, accurate, high-speed device for obstacle detection. Using the USB interface for power and communication, this unit can obtain measurement data in a 240° field of view up to a distance of 4 meters.

[download driver \(link\)](#)

<https://www.hokuyo-aut.jp/products/data.php?id=2>

Touchdesigner has a chop for it, the Hokuyo will work when connected, in mac

### **Some comparison articles:**

<https://www.generationrobots.com/blog/en/luxonis-vs-realsense-which-depth-camera-should-i-choose/>

[https://docs.ipisoft.com/Depth\\_Sensors\\_Comparison](https://docs.ipisoft.com/Depth_Sensors_Comparison)

the 3 kinects compared: <https://www.mdpi.com/1424-8220/21/2/413>

[https://www.youtube.com/embed/KRZWev1N\\_uw](https://www.youtube.com/embed/KRZWev1N_uw)

depth maps compared

[https://www.youtube.com/embed/tqb\\_0xAqm3w](https://www.youtube.com/embed/tqb_0xAqm3w)

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