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 Hokuyu 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

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

https://www.youtube.com/embed/KRZWev1N_uw

depth maps compared

https://www.youtube.com/embed/tqb_0xAqm3w

Revision #34
Created 2023-09-26 10:40:13 UTC by Astrid
Updated 2026-03-03 11:18:23 UTC by Astrid