5.1 Logical camera

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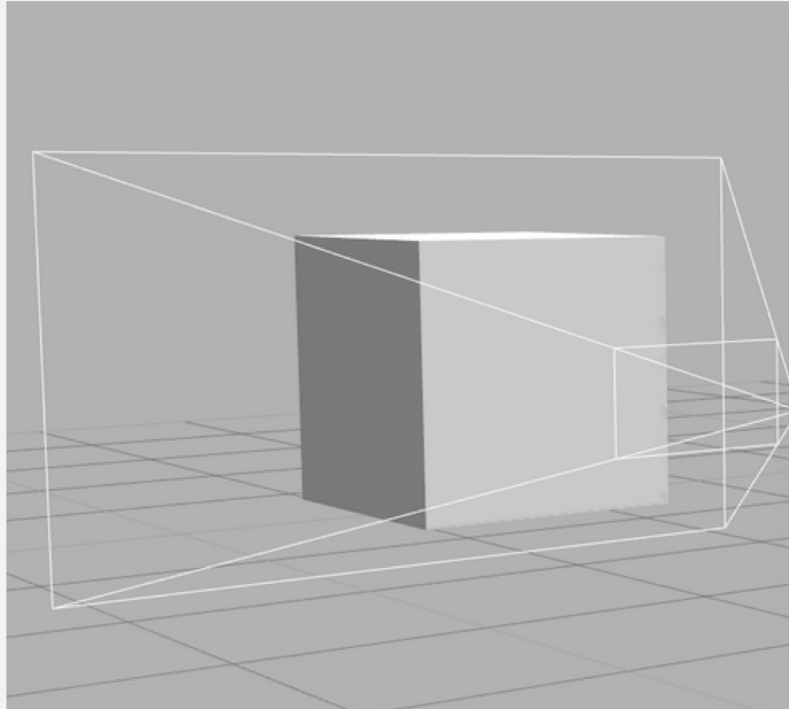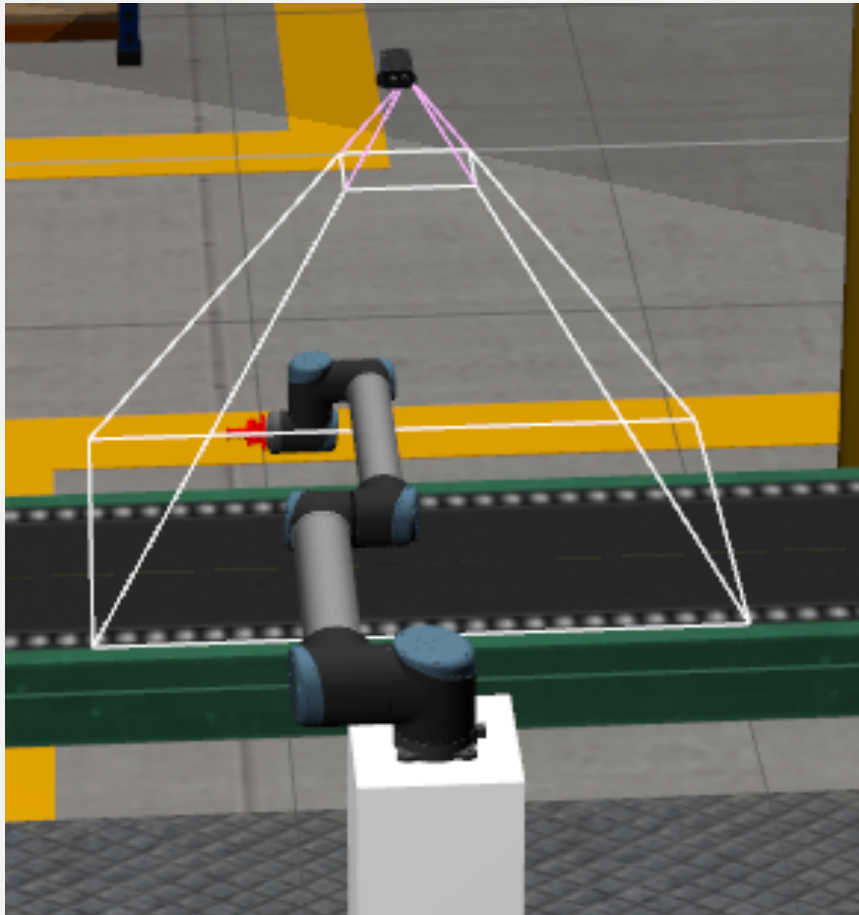
Logical camera: operational principle

- Logical camera outputs model names and poses [1]
  - models are created as **.stl/.dae files**. (Meshlab, Blender, SolidWorks®) by the user.
  - intersection of camera frustrum with object.

Image: gazebosim.org

[1] http://gazebosim.org/tutorials?tut=logical_camera_sensor

Logical camera: factory simulation

Disclaimer

Attention!

- Logical camera is only a simulation concept.

- Real world applications use 2D/3D cameras for robot vision (PCL [2], OpenCV [3]).

- This course: The pose of an object for manipulation is the main goal.

[2] https://github.com/PointCloudLibrary
[3] https://opencv.org/