Evaluate the Camera on SPOT

In this project you will be working on our new robot SPOT. The goal is to provide the robot with a *Perception* capability: The robot is equipped with a video camera and a LIDAR: How can the robot make use of these perception devices? For example the robot can identify humans in front of it?

Your task in this project will be to explore state-of-art image processing techniques on the robot and to evaluate how well they work. E.g. it is not yet clear to us how much computational power the build-in PC has. E.g. can YoLo be used with it?

To do this work, you should have good python skills. You should know linux, ideally you have completed the applied machine learning and a course in Computer Vision or Image processing with a good grade. Ideally, you have also a good software engineering background.

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