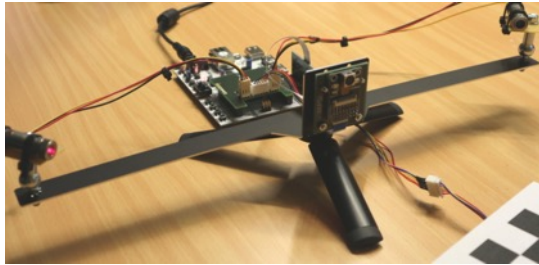


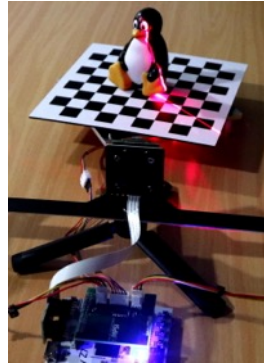
Whiznium Starter Kit: Tabletop 3D Laser Scanner



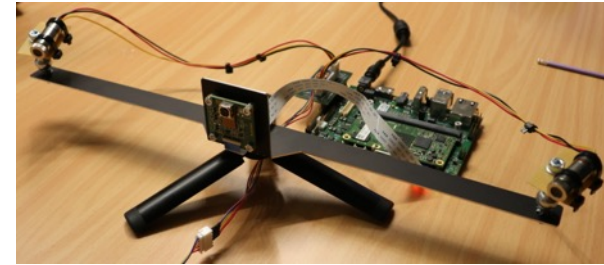
FPGA Option



- ✓ Xilinx Zynq Z7 hardware by Digilent (dual ARM core + PL)
- ✓ WhizniumDBE project: FPGA-based camera read-out, edge and laser trace detection
- ✓ WhizniumSBE project: calibration, point cloud calculation, web-based UI, Java/C++ API examples



- ✓ Turntable driven by stepper motor
- ✓ Tripod-mounted camera + laser holder
- ✓ OV5640 5MP camera
- ✓ Two intensity-modulated red line lasers



Embedded Option



- ✓ NXP i.MX6 hardware by Toradex (quad ARM core)
- ✓ WhizniumSBE project: calibration, V4L2 camera read-out, edge and laser trace detection, point cloud calculation, web-based UI, Java/C++ API examples