

μRVS

The next generation LiDAR: Small, light and eye safe

Development of a new LiDAR sensor, which is going to be lighter and smaller than the RVS 3000-3D.

Within the frame of a DLR project we are - together with several partners - developing new LiDAR technologies, with the goal of a miniaturized space-qualified LiDAR sensor. Due to the selected key components, the new LiDAR will be significantly lighter, smaller and will have a reduced power consumption.

μRVS will be qualified in the upcoming years.

Possible application areas are:

- rendezvous and docking to cooperative as well as non-cooperative targets
- robotic in-orbit assembly
- support of the navigation system for rover or buggy