**LiDAR Considerations**

1. Range and Resolution (>50m Range; >1000 points per m2)
2. Field of View
3. Size and weight
4. Power consumption
5. Accuracy and precision
6. Robustness and durability
7. Scanning Speed
8. SLAM compatibility (???)
9. Environmental Sensitivity/working underground
10. Data output format
11. Cost
12. Mounting integration
13. Support and maintenance

**LiDAR Comparison**

1. Ouster OSO-64

(<https://www.researchgate.net/publication/358795290_RMF-Owl_A_Collision-Tolerant_Flying_Robot_for_Autonomous_Subterranean_Exploration>)

* A
* A
* A

1. 360 deg planar lidar

* A
* A

1. Velodyne Puck Lite

* A

1. Velodyne VLP 16s

* A

1. RoboSense 3D lidar

* A

1. SICK LMS151 lidar on pivot

* A

1. RPLidar A3

* A

1. RPLidar A2

* A

1. Robosense BPeral LiDAR

* A