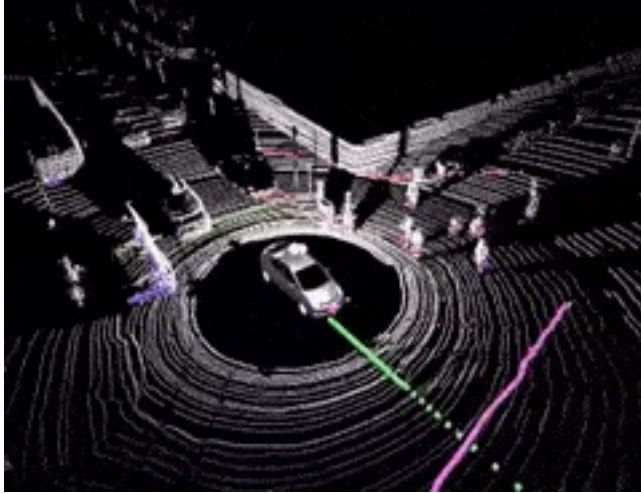
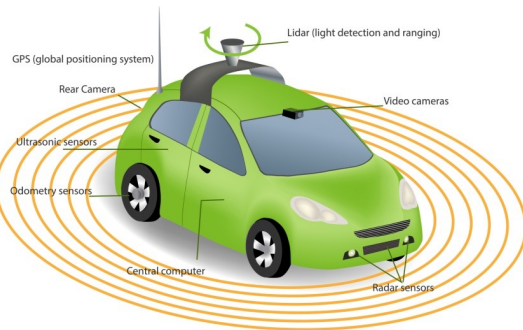


Problem:



- 3D environment is essential in autonomous driving



Current Studies:

- Deep Learning-Based depth estimation
- Monocular cameras-Dynamic
- Multi-view cameras -Static
- No need for LIDAR depth values
- Effective methods are limited within a dataset

Our Study:

- Combining strengths of previous studies
- State of the art results
- Large scale reconstruction
- Effective in other datasets: KITTI, Oxford Robot-Car
- Camera as lead sensor

Seq=07, KF=395

Keyframe



Depth Map

MonoRec

