The Illustration of A Basic VScan

A Frame of 3D Point-Cloud

Project to 2D Grid

The Rotation Axis of a 3D LiDAR (e.g. Velodyne)

A Basic VScan's Range Value in a 2D Grid

Shortest Range

Height Range — Ceiling / Floor

Bearing Grid

3D Point in a 2D Grid

2D Grid (height, bearing) in Cylindrical Coordinates