

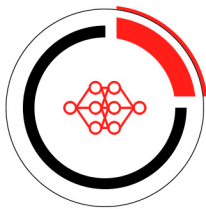
Robo-Taxi LiDAR Perception Solution

Provides stronger perception systems for higher speed autonomous driving.

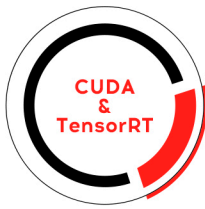
RoboSense combines hard-core technologies in excellent LiDAR sensor hardware and AI point cloud perception software to provide Smart Sensor Systems to various applications of autonomous driving.

Robo-Taxi relies on the most sophisticated autonomous driving technologies to engage itself with complex driving environments, such as coping with different speed limits and dealing with urban roads bustling with pedestrians and vehicles. Catered to the specific requirements of Robo-Taxi, RoboSense provides two systems: RS-Fusion-P3 and RS-Fusion-P5 to address the LiDAR perception needs with full-stack solutions.

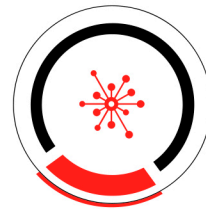
「AI Perception: RS-LiDAR-Perception」



AI +
Conventional Perception Software



Optimized for
NVIDIA CUDA and TensorRT



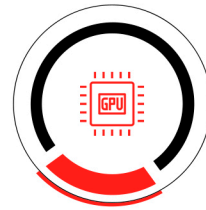
Data-driven, multi-scene,
large-scale point cloud data sets



Over 10 years point cloud
perception development experience



Verified by 100+ partners
and in various testing scenarios



Support desktop GPU
and low-power mobile platforms

RS-Fusion-P3



- RS-LiDAR-32 x1
- RS-LiDAR-16 x2
- System Hardware
- Perception System
- Training Service

Software Module



Multi-LiDAR Point Cloud Fusion



Obstacles Detection



Classification & Recognition



Dynamic Objects Tracking

RS-Fusion-P5



- RS-Ruby(128 beam) x1
- RS-Bpearl(short-range blind-spot LiDAR) x4
- System Hardware
- Perception System
- Training Service

L4+Perception / Robust / Smart / High Resolution / No Blind-zone

Applications



Robo-Taxi