RS-Reference, Ground Truth System

Efficiently access massive and reliable ground truth data

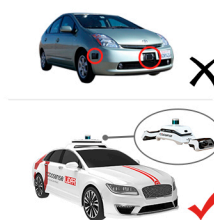Automatically evaluate every sensor in your DuT systems

RoboSense combines high-performance sensor systems with mature AI perception algorithms to provide a set of accurate, efficient, complete, and customizable sensory performance evaluation toolchains.

The system solves the problems of high-cost, low-efficiency, and error-prone manual calibration, which lack evaluation tools and mature toolchains. The RS-Reference significantly improves project development efficiency and accelerates the mass production process of AD and ADAS applications.

RS-Reference Advantages

High-performance and mature sensor system

Systematic, integrated installation process design.
Comprehensive system toolchain, with no more car modifications

Comprehensive Toolchain

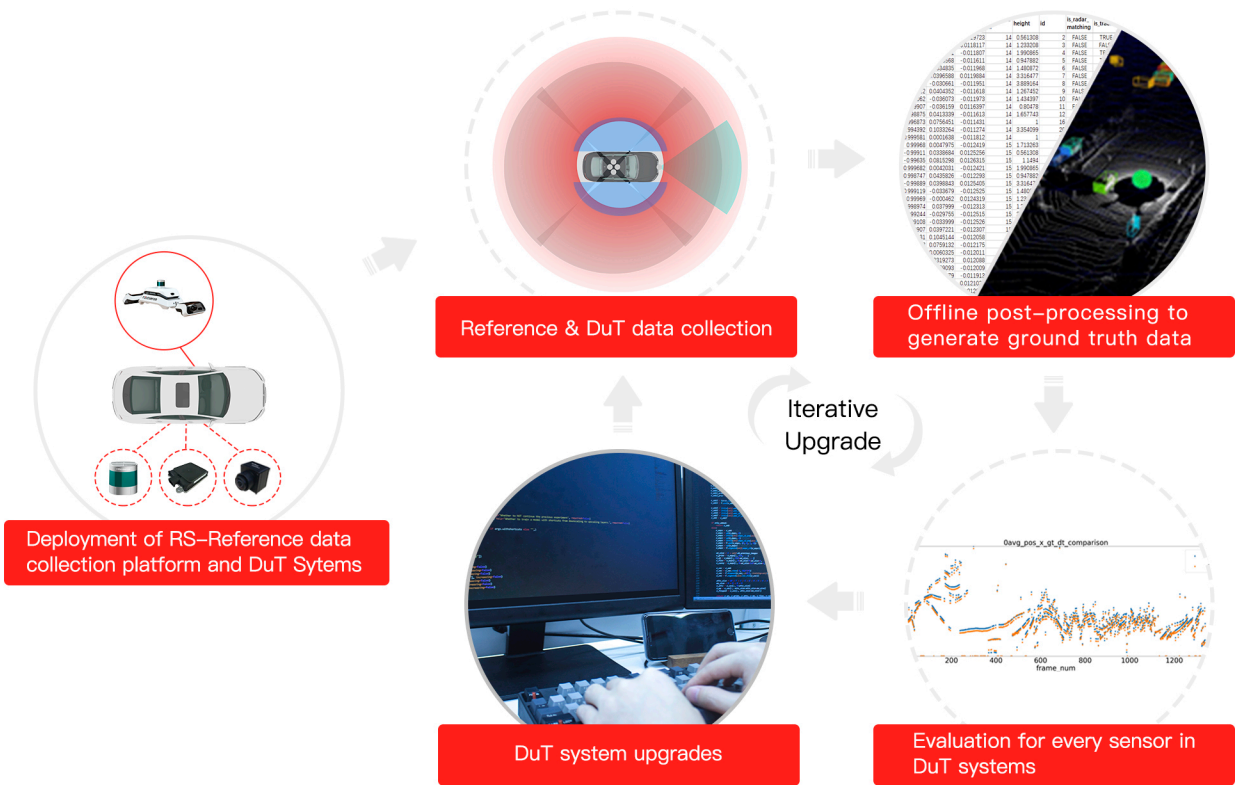Over 10 years of R&D experience in point cloud algorithm technology

RoboSense LiDAR

www.robosense.ai

RS–Reference Validation Workflow

Reference & DuT data collection

Offline post–processing to generate ground truth data

Deployment of RS–Reference data collection platform and DuT Sytems

Iterative Upgrade

DuT system upgrades

Evaluation for every sensor in DuT systems

Ground Truth

Urban arterial road scenes

Multi–lane parallel & lane merge scene

Fork in the road scene

In the tunnel

RoboSense LiDAR

www.robosense.ai