AUTOWARE Open Source Autonomous Kit

Open source navigation

Supporting DEMO

ROS structure

Ready to use

The Open Source Autonomous Kit (Localization kit for research and development)AgileX Autoware is the first fully integrated, Autonomous Driving Research and Development kit. Utilizing 3D Slam localization technology, Autoware is suitable for all driving environments including on and off-road environments.

Autoware is an open-sourced development kit built ROS (Robot Operating System) allowing you to easily integrate existing libraries or new payloads and sensors.

Autoware Includes	Table of Configuration List
Intel i7-9700 CPU	8 cores 8 threads 3.0GHz
	Max memory size 32GB
Multi line lidar Robosense RS-LiDAR-16	16 Channel, 905nm wave lenght, Accuracy +-2cm(typical), Measurement range 20cm to 150m (on 20% reflectivity target), data rate 320,000 pts/s
Display Module	Liquid crystal display screen
	mini-hdmi to hdmi wire
	USB to Type-C wire
Communication	USB-to-CAN module
Power Module	24V to 12V 24V to 19V
Communication Module	Interchanger
	HUNTER
Compatible products	HUNTER 2.0
	SCOUT 2.0
	BUNKER

* GPS module is not included in the standard package

FEATURE
Wire controlling of the vehicle introduction, control the vehicle by ROS
Utilize 3D point cloud for localization and Navigation
Path planning with obstacle avoidance.
Parking – Forward and Reverse
Lane Changes
Edit vector maps (Lane lines, zebra crossings, curbs, etc.)

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