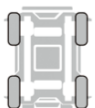


LIMO PRO

ROS2 EDUCATIONAL MOBILE ROBOT PLATFORM



PATENTED FOUR STEERING MODES



Four-wheel differential



Tracked steering



Omni-directional steering



Ackermann

SCALABLE STRUCTURE FOR DIY NEEDS



0.9L internal expansion space



Four USB Serial Port



YouTube



LinkedIn

Introduction

LIMO PRO integrates the NVIDIA Orin Nano alongside the EAI T-mini Pro LiDAR and Orbbec Dabai depth camera. This enables robust environmental perception and intelligence for autonomous navigation, obstacle avoidance, and visual recognition applications. Compatibility with both ROS 1 Noetic and ROS 2 Foxy provides flexible software integration. An extended 2.5 hour battery life ensures continuous research and experimentation.

Highlight

Orin Nano



3d mapping



Autonomous driving



obstacle avoidance



visual recognition



2.5 hours battery life



Specifications:

size 322*220*251	Weight 4.8kg	Payload 4kg	GC 24mm	Steering 40N·m
Max Speed 1m/s	Display 7 inch	IPC Orin Nano	Depth Camera Orbbec DaBai	LiDAR EAI T-mini Pro
Battery 10Ah 12V	Working Time 2.5H	Standby 4H	OS Ubuntu 20.04	Version ROS1 Noetic ROS2 Foxy
Method Mobile App Command Control	Control Range 10m			

