INDRO ROBOTICS

LIMO PRO

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.



ORIN NANO POWER:

Built on NVIDIA's advanced Orin Nano, a high-performance embedded AI computing platform.

ROS COMPATIBILITY:

Supports ROS 1 NOTICE and aligns with ROS 2 FOXY, making it compatible with popular robotic software frameworks.

ADVANCED SENSORS:

Equipped with the EAI T-mini Pro LiDAR and Orbbec Dabai depth camera, enhancing its environment perception capabilities

EXTENDED BATTERY LIFE:

Features a significantly improved battery life, allowing up to 2.5 hours of continuous operation.

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TECH SPECS

ITEMS	PARAMETERS	VALUES
Mechanical	Overall dimension	322*220*251mm
	Wheel base	200mm
	Tread	175mm
	Dead load	4.8kg
	Load	1kg (Four-wheel differential)
		4kg (Ackermann mode)
		4kg (Wheat wheel)
	Minimum ground clearance	24mm
Drive type	Hub motor (4x14.4W)	
Performance	No-load max. speed	1m/s
	Ackermann minimum turning radius	0.4m
	Work environment	-10~+40°C
	Max. climbing capacity	40° (under track mode)
System	Power interface	DC (5.5x2.1mm)
	OS	Ubuntu 20.04
	IMU	HI226
	CPU	6 Core Arm@ Cortex@-A78AE
	GPU	1024-core CUDA
	Battery	10Ah 12V
	Working time	2.5H
	Stand-by time	4H
	Communication interface	WIFI,Bluetooth
Sensor	LIDAR	EAI T-mini Pro
	Depth camera	DaBai
	IPC	NVIDIA Orin Nano (8G)
	USB-HUB	TYPE-C x1，USB2.0 x2
	Front display	1.54 inch 128x64 white OLED display screen
	Rear display	7 inch touch screen
Control	Control mode	Mobile APP，command control
	Mobile APP	Bluetooth maximum distance 10m

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