LIMO

AGILEX

» Autonomous Navigation

» SLAM & V-SLAM

» Obstacle Detection

ROS-BASED MULTI-MODAL® MOBILE ROBOT FOR EDUCATION AND RESEARCH

FEATURES

PATENTED FOUR STEERING MODES

» Four-wheel differential steering

» Tracked steering

» Omni-directional steering

» Ackermann

SCALABLE STRUCTURE FOR DIY NEEDS

» 0.9L internal expansion space

» Four USB Serial Ports

METAL STRUCTURE, POWERFUL MOTOR

» Metal sturdy appearance

» Wheel-motor integration

EASIER TO DEVELOP WITH SIMULATION TABLE	AGILEX OPEN-SOURCE COMMUNITY
SLAM & V-SLAM	Built-in ROS & ROS2 Packages
Autonomous Traffic Light Recognition	Programming Demos
Autonomous Reversing and Warehousing	Simulations powered by Gazebo
Autonomous Navigation and Detection	Robot Development Manual

SPECIFICATIONS

DIMENSIONS (MM) (LXWXH)	322 x 215 x 247	POWER INTERFACE	DC (5.5x2.1mm)	TRUMPET	Left + Right Channels (2x2W)
WEIGHT	4.2 kg	LIDAR	EAI X2L	MONITOR	7-inch 1024 x 600 touch screen
CLIMBING ABILITY	25°	CAMERA	Stereo Camera	OPEN SOURCE PLATFORM	100mm
WORK TIME	40 minutes	INDUSTRIAL PC	NVIDIA Jetson Nano	COMMUNICATION PROTOCOL	UART
STANDBY TIME	2 hrs	VOICE MODULE	IFLYTEK Voice Assistant /Google Assistant	STANDARD WHEELS	Off Road Wheel 4x Mecanum Wheel 4x Track 2x