



BUNKER

- | Tracked Differential Steering
- | ZERO Turning Radius
- | Independent Suspension
- | 36° Climbing Ability
- | 17CM Obstacle Surmounting Capacity
- | ROS/SDK Supported

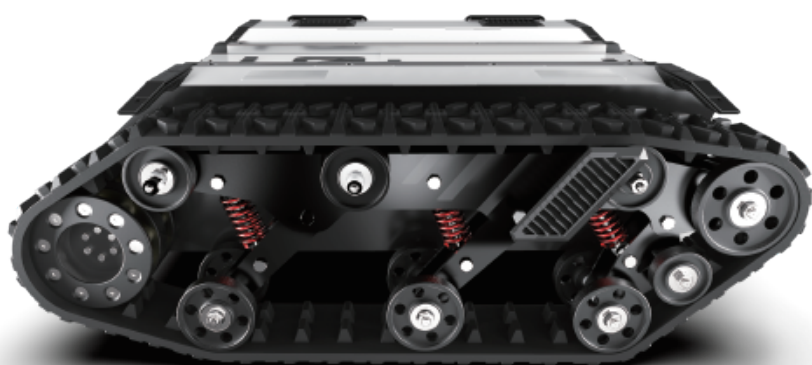
» Crawler-type Differential Wire-controlled Chassis

BUNKER adopts crawler-type differential mechanical mechanism, which has extremely strong terrain adaptability. It is specially designed for special working environment and features differential rotation, strong load capacity, small mechanical loss and high ingress protection rating.



» Tough Process Design, Special Operation Platform

Multiple sets of servo motors provide extremely strong power system and differential rotation ability. The Christie suspension equipped with multiple sets of shock absorbers provides extremely strong system stability. The integrated forward tilt design brings superior climbing ability. The tough industrial design makes BUNKER competent for various field complex environments.



Extreme terrain adaptability



High-performance track structure conquers muds



Able to climb slope gradient $< 36^\circ$ and stair with single step $< 17\text{ cm}$

» Multiple-load Expansion, Rapid Secondary Development

BUNKER can be customized for a variety of advanced operation modes. Users can communicate with the main control through CAN bus protocol, and the open source SDK and ROS_ PACKAGE are also provided.



Slide rails are reserved for quick building top load (sensing, industrial control, IMU, routing, camera, etc.)



Supports customized design of sensor AI profile bracket

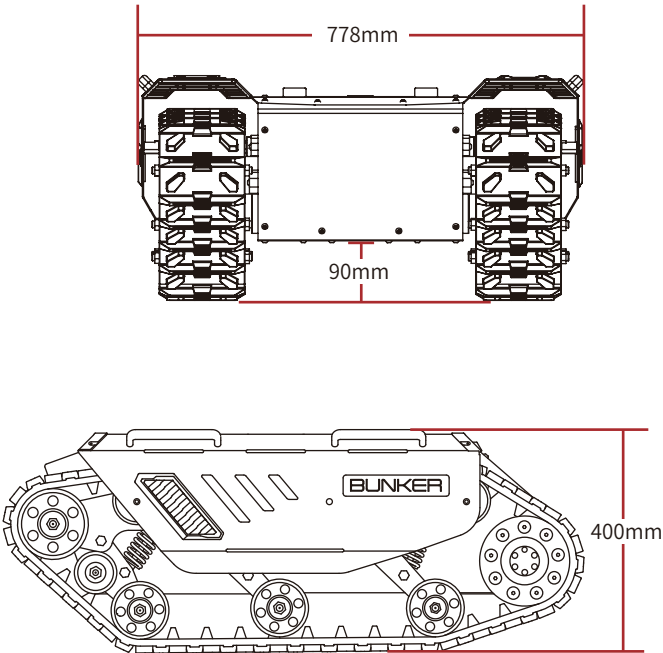
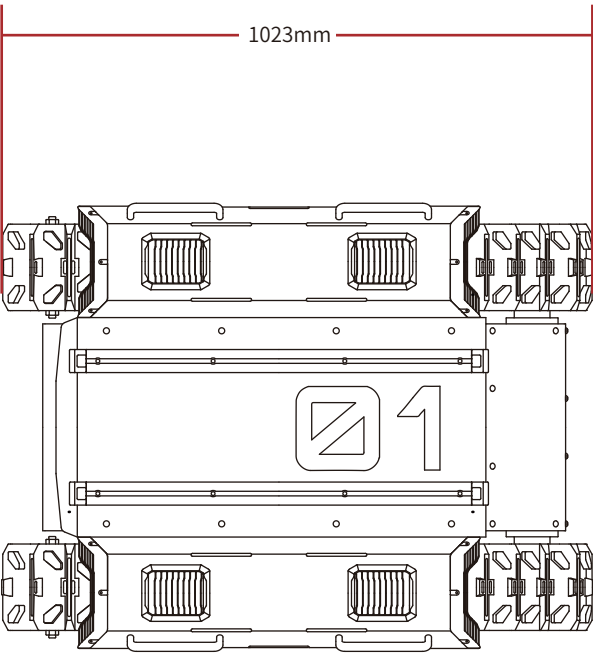


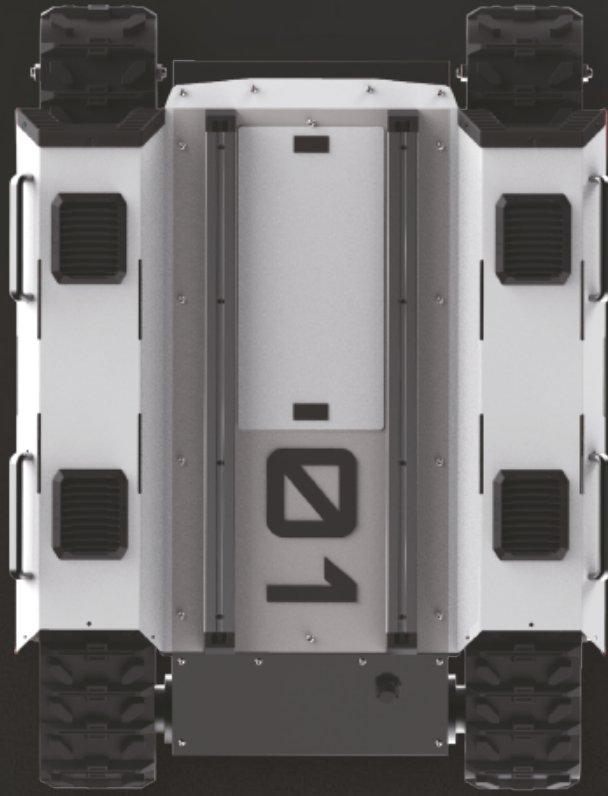
Supports access of more advanced automatic driving system (such as ROS, Apollo, etc.)



>> SPECIFICATIONS

Model	BUNKER	Operating Temperature	-20~60℃
Dimensions	1023* 778*400mm	Drive Form	Left and Right Independent Drive
	WxHxD		Track Differential Steering
Wheelbase	360mm	Charger	AC220V Independent Charger
Weight	130~ 135KG	Charging Time	6~7H
Minimum Ground Clearance	90mm	Outward Supply	48V
Rated Travelling Load	80KG	Battery	48V30Ah (Standard)
			48V60Ah (Optional)
Rated Spin Load	60KG	Motor	2X650W (brushless servo motor)
Climbing Capacity	36°(No Load and With Loading)	Code Wheel	1024 Lines
	Can Climb Stairs		
Minimum Turning Radius	0m	Gyroscope Parameters	9-axis Gyroscope
	In-situ Rotation		0.01°Resolution
Obstacle Abilit	170mm	Suspension Form	Christie Suspension
MAX Travel	10KM	Communication Interface	Standard CAN
Shock Absorber		Protection Level	IP52 (Standard)
	Left and Right Lndependent * 6 Shock Absorbers		IP54 (Optional)





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