



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



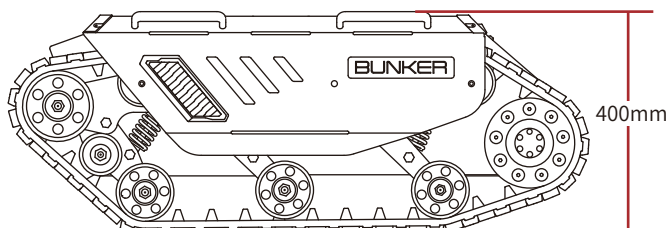
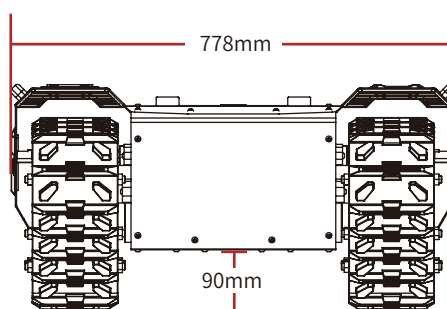
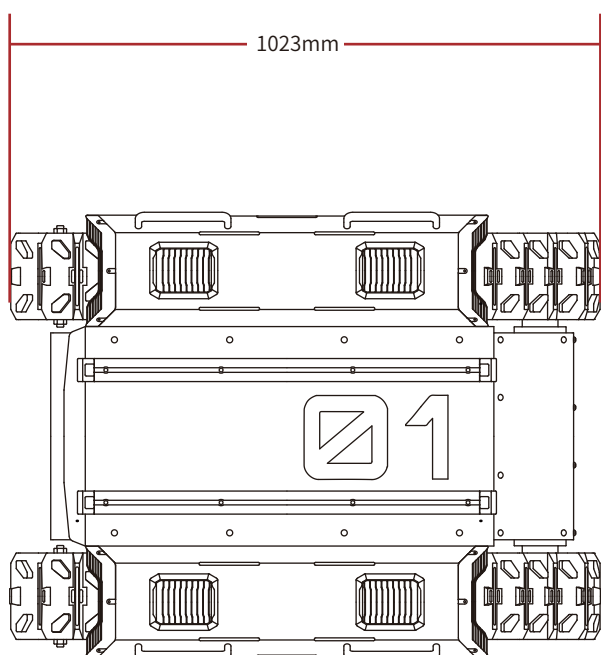
Supports access of more advanced automatic driving system (such as ROS, Apollo, etc.)

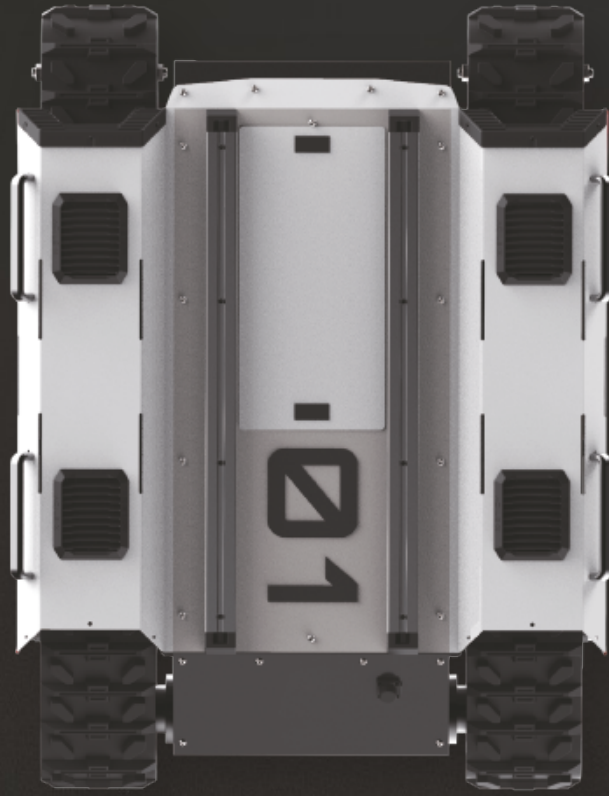


» SPECIFICATIONS

| | |
|--------------------------|---|
| Model | BUNKER |
| Dimensions | 1023* 778*400mm WxHxD |
| Wheelbase | 360mm |
| Weight | 130~ 135KG |
| Minimum Ground Clearance | 90mm |
| Rated Travelling Load | 80KG |
| Rated Spin Load | 60KG |
| Climbing Capacity | 36°(No Load and With Loading) Can Climb Stairs |
| Minimum Turning Radius | 0m In-situ Rotation |
| Obstacle Abilit | 170mm |
| MAX Travel | 10KM |
| Shock Absorber | Left and Right Lndependent * 6 Shock Absorbers |

| | |
|-------------------------|---|
| Operating Temperature | -20~60°C |
| Drive Form | Left and Right Independent Drive Track Differential Steering |
| Charger | AC220V Independent Charger |
| Charging Time | 6~7H |
| Outward Supply | 48V |
| Battery | 48V30Ah (Standard) 48V60Ah (Optional) |
| Motor | 2X650W (brushless servo motor) |
| Code Wheel | 1024 Lines |
| Gyroscope Parameters | 9-axis Gyroscope 0.01°Resolution |
| Suspension Form | Christie Suspension |
| Communication Interface | Standard CAN |
| Protection Level | IP52 (Standard) IP54 (Optional) |





Génération ROBOTS

Distributeur officiel

sales@generationrobots.com

+33 5 56 39 37 05

www.generationrobots.com

