

RB-VOGUI

AUTONOMOUS MOBILE ROBOT (AMR)

DESIGNED FOR **OUTDOOR**
APPLICATIONS DUE TO ITS
VERSATILITY & HIGH MOBILITY

-  AGRICULTURE
-  CONSTRUCTION
-  RESEARCH & DEVELOPMENT



RB-VOGUI

MULTI-PURPOSE ROBOTIC PLATFORM FOR OUTDOORS

RB-VOGUI is a general purpose platform designed for outdoor R&D tasks, allowing the development of final applications in sectors such as agriculture or construction. It stands out for being the only outdoor omnidirectional robotic platform available in the market.

INCLUDED COMPONENTS

- CPU Intel i7
- Safety Pack
 - » 2D Safety Outdoor Scanner x2
 - » Safety PLC
- RGBD Camera
- 5G Router
- IMU
- Battery 48VDC@29Ah
- Charging station

OPTIONAL COMPONENTS

- GPS
- Base station
- Load Basket
- AI + Vision Package
- 3D Localization and Navigation Package

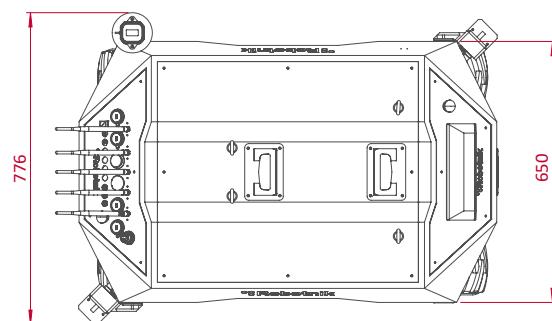
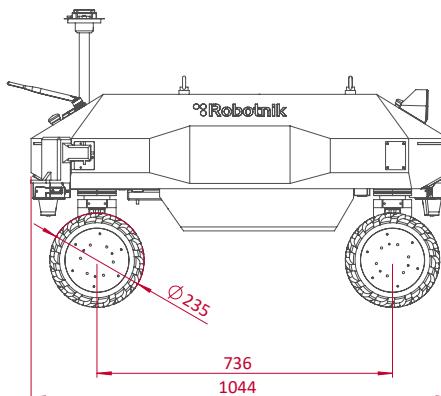
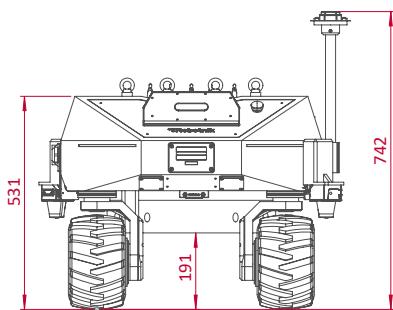
MECHANICAL

Dimensions	1.044 x 776 x 742 mm
Weight	165 Kg
Payload	Up to 150 Kg
Speed	2,5 m/s
Environment	Indoor / Outdoor
Enclosure class	IP53 weatherproof
Autonomy	Up to 6 h
Traction motors	4 x 500 W with brake
Kinematics	Omnidirectional - Dual Ackerman
Localization system	SLAM
Temperature range	-10°C to + 45°C
Max. slope	47 %

CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x3 Ethernet x2 HDMI x1 Power Outputs: <ul style="list-style-type: none"> » 12V » 24V » VBATT

BLUEPRINTS



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