

RB-VOGUI

AUTONOMOUS MOBILE ROBOT (AMR)

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

-  AGRICULTURE
-  INDUSTRIAL TASKS
-  ORDER PREPARATION FOR DELIVERY
-  GOODS TRANSPORT
-  RESEARCH & DEVELOPMENT



RB-VOGUI

ROBUST AND COLLABORATIVE

RB-VOGUI is a general purpose mobile robotic platform designed primarily for outdoor transport tasks. This AMR is suitable for automating tasks of different nature in sectors such as R&D, agriculture or logistics, performing final applications based, for example, on last mile delivery.

COMPONENTS INCLUDED

- CPU Intel i7
- Safety Pack
 - » 2D safety scanner "Outdoor Scan" x2
 - » Safety PLC
- RGBD Camera
- 4G Router
- IMU
- GPS
- Battery 48VDC@30Ah
- Charging station

OPTIONAL COMPONENTS

- 5G Router
- AI + Vision Package
- 3D Localization and Navigation Package
- Load Basket
- Telescopic column

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 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x3 Ethernet x2 HDMI x1 DC Power Output

BLUEPRINTS

