

# RB-VOGUI 6

AUTONOMOUS MOBILE ROBOT (AMR)

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

 AGRICULTURE

 R&D

 ACCESS TO DANGEROUS ENVIRONMENTS

 GOOD TRANSPORT



# RB-VOGUI 6

## ROBUST AND READY FOR ALL TERRAINS

**RB-VOGUI 6** is a general-purpose mobile robotic platform designed primarily for outdoor transport tasks.

This version developed from the **RB-VOGUI** has 6 skid steering kinematic wheels and can overcome obstacles up to 200 mm and move through rough environments.

### COMPONENTS INCLUDED

- CPU Intel i7
- 2D Laser
- RGBD Camera
- 4G Router
- IMU
- GPS
- Battery 48VDC@60Ah
- Charging station

### OPTIONAL COMPONENTS

- 5G Router
- AI + Vision Package
- 3D Localization and Navigation Package
- Robotic arm
- Safety Pack
  - » 2D Safety scanner "Outdoor Scan" x2
  - » Safety PLC
- Load basket

## MECHANICAL

Dimensions	<b>1.135 x 829 x 810 mm</b>
Weight	<b>142 Kg</b>
Payload	<b>Up to 100 Kg</b>
Speed	<b>2,5 m/s</b>
Environment	<b>Indoor / Outdoor</b>
Enclosure class	<b>IP50 / Up to IP53 weatherproof</b>
Autonomy	<b>Up to 6 h</b>
Traction motors	<b>6 x 500 W with brake</b>
Traction system	<b>Omnidirectional / Dual Ackerman</b>
Localization system	<b>SLAM</b>
Temperature range	<b>-10°C to + 45°C</b>
Max. slope	<b>47 %</b>

## CONTROL

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

## BLUEPRINTS

