

RB-VOGUI XL

AUTONOMOUS MOBILE ROBOT (AMR)

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

 AGRICULTURE

 R & D

 ORDER PREPARATION DELIVERY

 GOODS TRANSPORT



RB-VOGUI XL

ROBUST AND READY FOR HIGH PAYLOADS

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

This version developed from the **RB-VOGUI** has an increased payload capacity and can transport materials up to 200 kg.

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
- Safety Pack
 - » 2x 2D safety scanner Outdoor Scan
 - » Safety PLC
- Robotic arm
- Telescopic column
- Load basket

MECHANICAL

Dimensions	1.413 x 912 x 885 mm
Weight	250 Kg
Payload	Up to 200 Kg
Speed	1 m/s
Environment	Indoor / Outdoor
Enclosure class	IP50 / Up to IP53 weatherproof
Autonomy	Up to 6 h
Traction motors	4 x 750 W with brake
Traction system	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

