

MOBILE MANIPULATOR ROBOT (MMR)

RB-VOGUI

FOR **INDOOR** & **OUTDOOR**
MANIPULATION APPLICATIONS

VERSATILITY & **HIGH MOBILITY**

-  AGRICULTURE
-  CONSTRUCTION
-  RESEARCH & DEVELOPMENT



RB-VOGUI

SUITABLE FOR INDOOR AND OUTDOOR APPLICATIONS

RB-VOGUI+ is a highly mobile, all-terrain modular base that can operate in indoor environments, but especially outdoors. This MMR is suitable for automating manipulation tasks of different nature in sectors such as R&D, agriculture or construction.

INCLUDED COMPONENTS

- CPU Intel i7
- Safety Pack
 - » 2D safety scanner Outdoor x2
 - » Safety PLC
- RGBD Camera
- 5G Router
- IMU
- Robotic arm: **UR5e**
 - » Payload: 5 kg
 - » Reach: 850 mm
- Battery 48VDC@30Ah
- Charging station

OPTIONAL COMPONENTS

- GPS
- Base station
- AI+Vision Package
- 3D Localization and Navigation Package
- OnRobot VGC10
- OnRobot RG2
- OnRobot RG6
- OnRobot RG2FT
- OnRobot 2FG7
- Robotiq 2F-85
- Robotiq 2F-140
- OnRobot Eyes Camera + Box

MECHANICAL

Dimensions	1.044 x 776 x 742 mm
Weight	Platform: 165 kg Arm: 25 kg
Payload	Platform: Up to 125 kg Arm: Up to 5 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 x2 DC Power Output

BLUEPRINTS

