

RB-SUMMIT

AUTONOMOUS MOBILE ROBOT (AMR)

VERSATILITY & HIGH MOBILITY

INDOOR & **OUTDOOR** APPLICATIONS

TWO KINEMATIC CONFIGURATIONS
WITH **RUBBER** OR **MECANUM WHEELS**

-  RESEARCH & DEVELOPMENT
-  SURVEILLANCE & INSPECTION
-  REMOTE MONITORING
-  ACCESS TO HAZARDOUS AREAS



RB-SUMMIT

CONFIGURABLE AND VERSATILE

RB-SUMMIT is an autonomous mobile robot (AMR) specially designed for outdoor R&D applications.

This versatile mobile robot can carry loads up to 50 kg, navigate autonomously or be teleoperated by means of a Pan-Tilt-Zoom camera that transmits video in real time.

COMPONENTS INCLUDED

- CPU Intel i7
- 2D Laser
- RGBD Camera
- 5G Router
- IMU
- Battery UN38.3 - 48VDC@15Ah
- Chassis IP54
- Charging station

OPTIONAL COMPONENTS

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

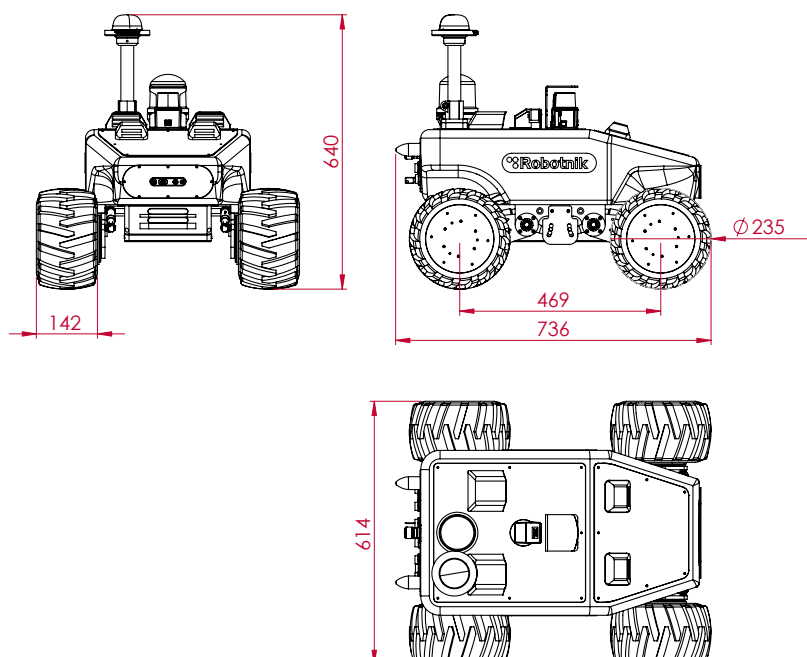
MECHANICAL

Dimensions	736 x 614 x 640 mm
Weight	65 Kg
Payload	50 Kg
Speed	2,5 m/s
Environment	Indoor / Outdoor
Enclosure class	IP54
Autonomy	Up to 5 h
Traction motors	4 x 500 W with brake
Kinematics	Skid steering
Localization system	SLAM
Temperature range	-10°C to + 45°C
Max. slope	80 %

CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x1 Ethernet x1 Power Outputs: » 5V » 12V » VBATT

BLUEPRINTS



Generation ROBOTS

Brand of **NGX** ROBOTICS



+33 (0)5 56 39 37 05



contact@generationrobots.com



1 rue Pierre-Georges Latécoère 33700 Mérignac, France

www.generationrobots.com

