

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
- 4G Router
- IMU
- GPS
- Battery 48VDC@15Ah
- Charging station

OPTIONAL COMPONENTS

- 5G Router
- AI + Vision Package
- 3D Localization and Navigation Package
- Chassis IP54

MECHANICAL

Dimensions	731 x 614 x 720 mm
Weight	65 Kg
Payload	50 Kg
Speed	3 m/s
Environment	Indoor / Outdoor
Enclosure class	IP50 / Up to IP54 weatherproof (optional)
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 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x1 Ethernet x1 DC Power Output

BLUEPRINTS

