

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

STANDARD VERSION

CONFIGURABLE AND VERSATILE

RB-SUMMIT is a highly versatile Autonomous Mobile Robot (AMR) capable of carrying loads of up to 50 Kg. The mobile robot can navigate autonomously or be teleoperated by means of a Pan-Tilt-Zoom camera that transmits video in real time.

COMPONENTS INCLUDED

- CPU
- 2D Laser
- RGBD Camera
- 4G Router
- IMU
- GPS
- Battery 48VDC@15Ah
- Docking station

OPTIONAL COMPONENTS

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

MECHANICAL

Dimensions	731 x 614 x 720 mm
Weight	65 Kg
Payload	50 Kg
Speed	3 m/s
Enclosure class	IP50 / Up to IP53 weatherproof
Autonomy	Up to 5 h
Temperature range	-10°C to + 45°C
Max. slope	80 %
Traction systems	Skid steering / Omnidirectional (mecanum)
Traction motors	4 x 500 W brushless servomotors

CONTROL

Controller	CPU ROS (Intel i7)
Communication	WiFi 802.11ac Bluetooth 5.1
Connectivity	1 x USB 1 x Ethernet DC Power Output

BLUEPRINTS

