

# RB-WATCHER



AUTONOMOUS MOBILE ROBOT (AMR)

DESIGNED FOR  
INSPECTION TASKS IN  
**INDOOR & OUTDOOR**



- 🎯 PRECISION
- 🛡 RELIABILITY
- 🤖 AUTONOMOUS
- 📍 FREE NAVIGATION

**RB-WATCHER** is revolutionizing the field of inspection and surveillance by autonomously executing a wide range of tasks. This includes patrolling predefined areas, detecting objects and individuals (such as intruders), and identifying fire hazards.

A standout feature of **RB-WATCHER** is its ability to detect and report thermal anomalies, providing crucial data for early warning and prevention measures. All gathered information is processed by the robot and dispatched in real time to the control center, enabling prompt and informed decision-making. This capability is versatile and can be applied across various industries, enhancing security and inspection processes significantly.

## INCLUDED COMPONENTS

- 5G Router
- GPS
- RGBD Camera
- LIDAR 3D
- Beacon 360 LED Lighting
- Microphone IP65
- Speakers IP65
- Bi-spectral Pan-Tilt-Zoom
- Inspection Packages
- Battery UN38.3 - 48VDC@15Ah
- Charging station

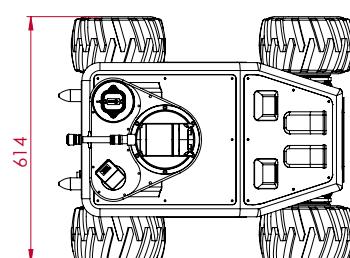
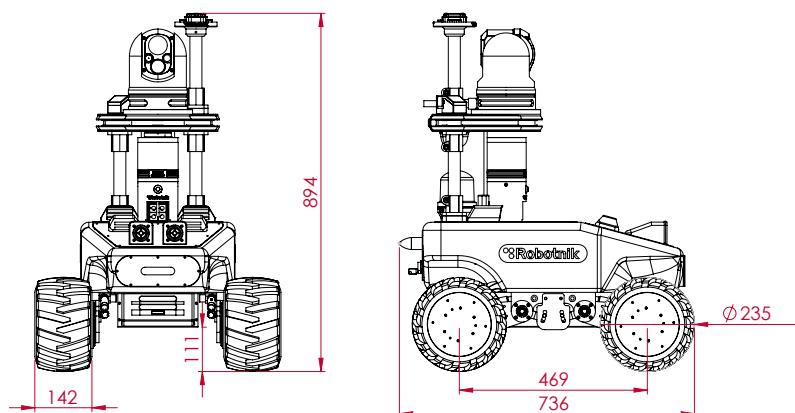
## MECHANICAL

Dimensions	<b>736 x 614 x 894 mm</b>
Weight	<b>73 Kg</b>
Payload	<b>50 Kg</b>
Speed	<b>2,5 m/s</b>
Environment	<b>Indoor / Outdoor</b>
Enclosure class	<b>IP54</b>
Autonomy	<b>Up to 5 h</b>
Traction motors	<b>4 x 500 W with brake</b>
Traction systems	<b>Skid steering</b>
Localization system	<b>SLAM</b>
Temperature range	<b>-10°C to +45°C</b>
Max. slope	<b>65%</b>

## CONTROL

Controller	<b>Ubuntu 20.04</b>
Communication	<b>WiFi 802.11 b/g/n/ac Bluetooth 4.0</b>
Connectivity	<b>USB x1 Ethernet x1</b>

## BLUEPRINTS



# Generation ROBOTS

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