Robotnik

RB-WATCHER

AUTONOMOUS MOBILE ROBOT (AMR)

NEW ERA FOR
SURVEILLANCE & **SECURITY**

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

- PRECISION
- RELIABILITY
- AUTONOMOUS
- FREE NAVIGATION

ROS

robotnik.eu

RB-WATCHER

STANDARD VERSION

A NEW ERA FOR INSPECTION AND SURVEILLANCE TASKS

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.

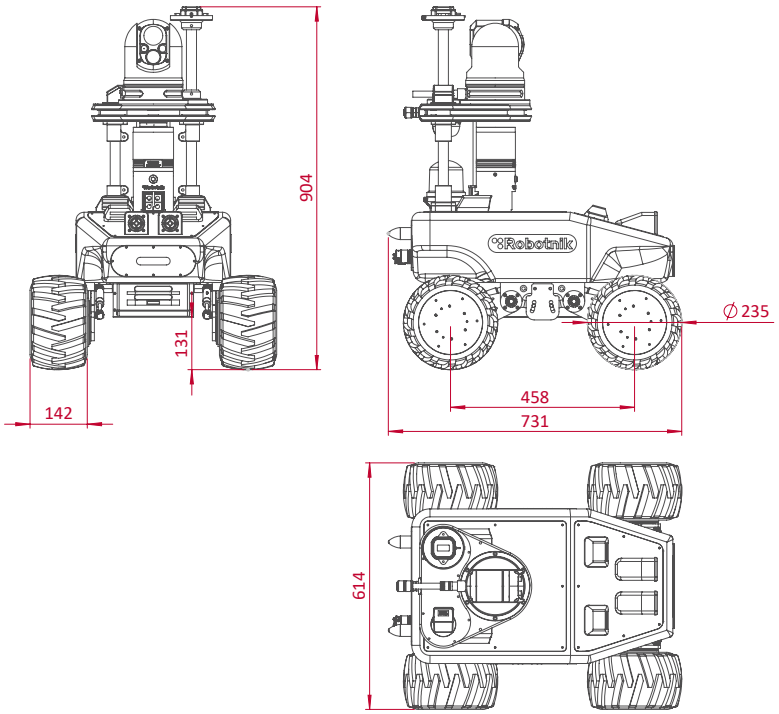
COMPONENTS INCLUDED

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

MECHANICAL

Dimensions	**731 x 614 x 904 mm**
Weight	**73 Kg**
Payload	**50 Kg**
Speed	**2,5 m/s**
Enclousure class	**IP54**
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