

# RB-WATCHER

AUTONOMOUS MOBILE ROBOT (AMR)

NEW ERA FOR  
**SURVEILLANCE & SECURITY**

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



-  PRECISION
-  RELIABILITY
-  AUTONOMOUS
-  FREE NAVIGATION

# RB-WATCHER

## 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.

## INCLUDED COMPONENTS

- CPU Intel i7
- 5G Router
- GPS
- IMU
- RGBD Camera
- LIDAR 3D
- Beacon 360 LED Lighting
- Microphone IP65
- Speakers IP65
- Bi-spectral Pan-Tilt-Zoom
- Inspection Packages
- Battery 48VDC@15Ah
- Charging station

## MECHANICAL

Dimensions	731 x 614 x 904 mm
Weight	73 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
Traction systems	Skid steering
Localization system	SLAM
Temperature range	-10°C to + 45°C
Max. slope	80 %

## CONTROL

Controller	Ubuntu 20.04
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x1 Ethernet x1 DC Power Output

## BLUEPRINTS

