

RB-WATCHER^{XL}

AUTONOMOUS MOBILE ROBOT (AMR)

HIGH-MOBILITY AMR FOR **OUTDOOR**
AUTONOMOUS NAVIGATION

 INSPECTION & SECURITY



RB-WATCHER^{XL}

HIGH-MOBILITY AMR FOR OUTDOORS

RB-WATCHER XL is a versatile and robust robot, designed to operate reliably both indoors and outdoors, even in rain or snow. Its ability to navigate uneven terrain and overcome obstacles up to 14 cm makes it an ideal tool for inspection and security industries.

COMPONENTS INCLUDED

- 5G Router
- GPS
- RGBD Camera
- LIDAR 3D
- Beacon 360 LED Lighting
- Microphone IP65
- Speakers IP65
- Bi-spectral Pan-Tilt-Zoom camera
- Inspection Packages
- Battery UN38.3 - 48VDC@29Ah
- Charging station

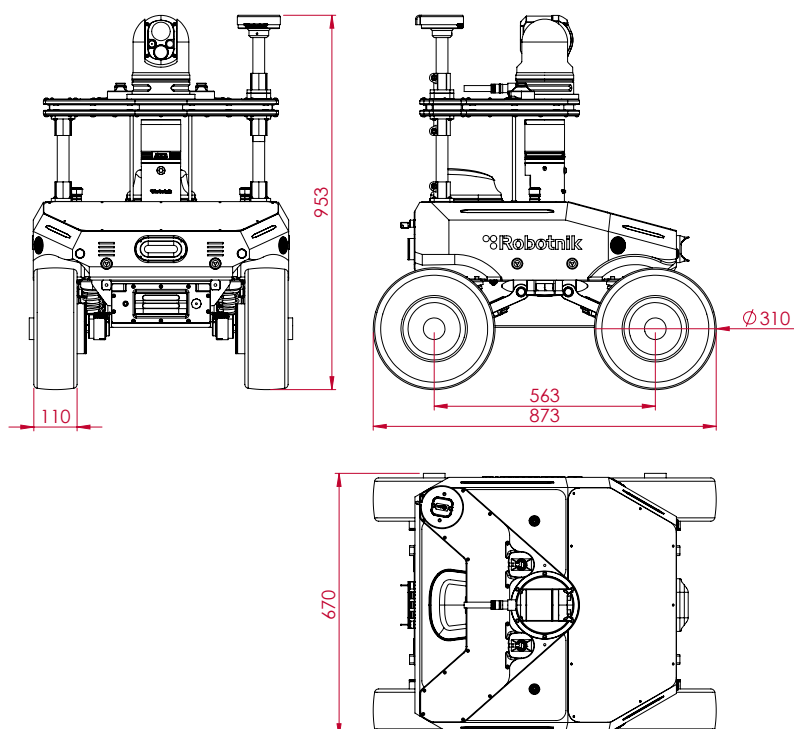
MECHANICAL

Dimensions	873 x 670 x 953 mm
Weight	75 kg
Payload	40 kg
Speed	1,5 m/s
Environment	Outdoor
Enclosure class	IP55
Autonomy	Up to 10 h
Traction motors	4 x 800 W
Kinematics	Skid steering
Localization system	5G - GPS
Temperature range	-10°C to +45°C
Max. slope	50 %

CONTROL

Controller	ROS 2 Architecture
Communication	WiFi 802.11 b/g/n/ac Bluetooth 4.0
Connectivity	USB x1 Ethernet x1 Power Outputs: » 5V » 12V » VBATT

BLUEPRINTS



Generation ROBOTS

Brand of **NGX** ROBOTICS



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