Robotnik

RB-WATCHER XL

AUTONOMOUS MOBILE ROBOT (AMR)

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

INSPECTION & SECURITY



ROS 2

robotnik.eu

RB-WATCHER XL

UP TO 40 KG OF PAYLOAD

OUTDOOR ENVIRONMENTS

UP TO 10 H. OF AUTONOMY

REMOTE TURN ON/OFF

Dimensions (mm)	873 x 670 x 953
Weight (kg)	75
Payload (kg)	40
Speed (m/s)	1,5
Environment	Indoor / Outdoor
Enclosure class	IP55
Autonomy (h)	10
Traction motors (W)	4 x 800 with brake
Traction systems	Skid steering
Localization system	3D SLAM + GPS
Temperature range (ºC)	-10º to +45º
Max. Slope (%)	50
Controller	Ubuntu 20.04
WiFi	WiFi 802.11 b/g/n/ac
Bluethooth	4.0
Connectivity	USB, Ethernet
Power outputs	5V, 12V, VBATT

RB-WATCHER XL is a mobile robot for inspection and security in indoor and outdoor environments. Equipped with advanced vision, thermal detection, 3D LiDAR, GPS, and SLAM navigation, it automates tasks such as patrolling critical areas, identifying risks like intruders or fires, and collecting data in real time.

Its web interface allows mission planning, monitoring, and remote control with full efficiency.

INCLUDED COMPONENTS

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

