



Perimeter of the GR100 safety robot

SCOPE OF THE GR100 ROBOT

- The robot avoids large moving and static obstacles.
- The robot adapts its speed according to its known environment (speed defined on its upstream navigation map).
- The robot can carry out static surveillance for up to 30 minutes.
- The robot recharges itself autonomously on its charging station.
- The robot travels at an average speed of 5.6 km/h.
- The robot triggers alerts autonomously, according to the desired settings (email and/or SMS)
- The robot detects people when it is on a mission or in a static position.
- The robot takes thermographic measurements at strategic points defined during installation (measurement points can be added or changed).
- The robot takes gas concentration measurements during its rounds (optional).
- The robot detects vehicles and number plates in defined areas.
- The robot performs image analysis (specific development optional).
- The robot is «all-roads» (note that the terrain must not be too uneven).
- The robot can only navigate within its map (defined during installation).
- The robot moves in zones at least 2 metres wide.
- The robot can patrol day and night, in variable weather conditions.
- The robot can travel with all lights on or all lights off (excluding LEDs on the turret).
- The robot can carry small loads in its side trunks.
- Two-way voice communication via the robot.
- Definition of «temporary prohibited areas» directly via the RB-OC** interface.

SCOPE NOT COVERED BY GR100 ROBOT

- The robot does not facial recognition, it does not identify people.
- The robot cannot be remotely operated.
- The robot does not detect hot spots dynamically (measurement points defined beforehand).
- The robot cannot interact with an external communication system (e.g. open a gate).
- The robot is not a video surveillance system. It is completely autonomous.
- The robot does not go inside buildings.
- The robot does not read traffic signs or signs on the ground.
- The robot does not adapt its speed if an obstacle of too small a size has been added to its path*.
- The robot does not detect acts of vandalism such as graffiti or broken windows.
- The robot does not monitor its tyre pressure.
- The robot does not identify animals.
- The robot is not «off-road»: it does not detect holes, cannot climb slopes greater than 19° and cannot negotiate obstacles higher than 8 cm.
- The robot does not detect small-diameter objects, such as chains and wire mesh...

*Any change on the robot's map must be reported to our technical team. If the robot is damaged as a result of an unreferenced change, repairs will be invoiced to the robot's rental contract holder.

**Running Brains Operations Center