



robuROC 6

multifunction all-terrain mobile robot featuring incomparable crossing capacities




Real all terrain robot




With exceptional obstacle-crossing capacities compared to its size, the robuROC6 offers a real solution for reconnaissance, monitoring and safety operations while minimizing human risks.




Multi purpose platform




The highly innovative concept of customized loads allowing adaptation of the load to the context opens multiple application fields. Thus, equipments such as video cameras, transmission systems and sensors can be very easily installed on the robot to customize it to the type of missions it will have to carry out.



Thanks to its integrated control command technology based on the robuBOX™ and its open architecture facilitating customized loads implementation, the



robuROC6 offers integrators an efficient development environment to customize the robot for very complex applications.



Advanced mechanical designs allows maximum motricity in all-terrain conditions

robuROC 6 technical specifications

robosoft

Standard platform :

- IP 65
- Length : 1500 mm
- Width : 780 mm (including wheels)
- Height : 500 mm
- Wheels diam. : 468 mm
- Weight (incl. batteries) : 160 kg
- Step clearance : around 25 cm (capable to climb standard stairs)
- Max Speed 13km/h at full charge
- Max slope : 45°
- Max Payload : Around 100 Kg (with reduced performances)
- Power : 3 Li-ion battery pack, 72 V.
- 6 Brushless motors with resolvers
- High capacity charger (80% after 4 hours)
- Direct drive joystick
- Emergency stop (button and wireless system)
- Front and rear stop bumpers
- Front & rear cameras
- Front & rear ultrasonic sensors



Hardware and software :

Hardware controller : robuBOX™ (see www.robosoft.fr for more details)

Software development : MICROSOFT® ROBOTICS STUDIO



Modules and Options :

- Laserscanner
- Vision systems (day/night, stereo...)
- GPS, dGPS
- Positioning and manipulation devices (arm, Pan & Tilt units...)

