

EXPERT

neutralizing robot

Expert mobile robot is a device designed to carry out operations in means of transport. The design of the robot reconciles two conflicting features: small mobile base allows manoeuvring in tight spaces, and its long manipulator allows picking up objects from hard to reach places. Innovative stowable lateral stabilizers enable secure fixing of the mobile platform in places such as between rows of seats. This allows safe lifting of considerable loads and precise operation of the manipulator even during maximum lateral reach of its arm.

Expert is equipped with 6 cameras: on the manipulator (main camera), on the gripper, at the back and front of the robot. Additionally, two cameras are placed on the sides of the front tracks, these enable inspection of areas such as places under seats. Front tracks (with remote controlled tilt angle) ensure stability of the structure when negotiating high obstacles and climbing stairs.



**FOR A SPECIAL
REQUEST**

Technical data:

Dimensions of the robot in stowed position (length x width x height):	88 x 47 x 78 cm
Approximate total weight of the robot with manipulator, camera head and battery:	197 kg
Maximum speed of the robot (without accessories):	2 km/h
Maximum radio transmission range in open area:	800 m
Maximum lift capacity close-in at the front / fully extended at the front:	15 kg / 8 kg
Maximum reach:	vertical: 290 cm - from the ground horizontal: 230 cm - from the rotation axis
Operating time from battery:	approx. 4 h