

PIAP RMI®

intervention robot

PIAP RMI® is a tracked vehicle which can replace or assist humans in the most dangerous tasks. Its dimensions and drive system allow to carry out activities both indoors and in difficult field conditions. The robot can be equipped with a range of accessories that adapt it to tasks such as detection of CBRNE threats or removal and neutralization of IED/UXO. PIAP RMI® has a compact, modular design which allows it to be transported eg. in the trunk of a car. Five-degrees-of-freedom manipulator with gripper ensures an over 2 m reach and a large range of motion in each plane.



The robot's platform is equipped with four transport handles for securing the robot. An innovative system of side view cameras complements standard drive cameras and greatly expands the field of view around the robot and thereby makes it easy to manoeuvre in tight spaces.



Technical data:

Dimensions (length x width x height): in stowed position:	95 x 60 x 51 cm
Weight (without accessories) of the robot with manipulator and battery:	95 kg
Maximum Speed	9 km/h
Maximum radio transmission range in open area:	500 m
Maximum lift capacity close-in at the front: fully extended at the front:	25 kg 5 kg
Maximum reach Vertical-from the lower edge of the tracks: horizontal-from the vertical rotation axis:	2.15 m 2.0 m
Operating time (mission-dependent, possibility of quick battery replacement):	Approx. 2 h