

# PIAP SCOUT SMALL EOD/IEDD ROBOT

**PIAP SCOUT** is a device designed for quick reconnaissance of field and places difficult to access, i.e. vehicles' chassis, places under seats in means of transportation, narrow rooms or ventilation ducts.

Small EOD/IEDD robot basic moving assembly consists of hybrid system (caterpillars-wheels), but if necessary, a moving wheels can be dismantle.

Solid construction of small dimensions and small weight with dynamic driving system provides high maneuverability and high speed of the robot (7 km/ hr).

Application of the robot can be multiplied by mounting additional devices on its mobile base i.e.: manipulator with a grip, cameras, additional front caterpillars, handle and cabling for recoilless disrupter, digital camera and cabling for recording the vision and microphone signals, chemical contamination detector, X-ray device, fibre-optic cable with active automatic roller, a main for control firing explosives, electro-hydraulic cutters.

## Unique features of PIAP SCOUT robot

- The small robot dimensions enable for swift inspections of hard to reach areas and rooms.
- The robot wheels are easy to dismantle. This allows for a limitation of the robot's overall dimensions and operation in spaces that are hard to reach.
- The very low robot weight enables for its transport in a typical military knapsack.
- Thanks to the drives used, the robot efficiently travels across area unevenness and obstacles of inclination angle up to 45°.
- The module robot structure enables for an easy and swift replacement of any additional equipment.
- The robot is able to carry loads with its manipulator – from 2 up to 5 kg.
- Both the robot and the manipulator may be controlled from the operator's station (in a form of a small and light weight-suitcase).
- The optional use of the optic fibre transmission enables for robot's operation at significant distances, even in an environment of high electromagnetic noise level.



## Technical data:

No	Parameter	Value
1	Mass	16,5 kg
2	Mass of control panel	13,5 kg
3	Width	480 mm-550 mm (depends on used wheels)
4	Length	600 mm
5	Length+front caterpillars	750 mm
6	Height	190 mm
7	Maximum speed	~ 7 km/h.
8	Manipulator's maximum lift	2 – 5 kg
9	Control system	radio
10	Maximum range (open area)	to 500 m