

KAPLAN

EXPLOSIVE ORDNANCE DISPOSAL ROBOT

KAPLAN Explosive Ordnance Disposal (EOD) Robot is a genuine product for disposal of explosives remotely from a safe distance under demanding conditions. Equipped with the latest technology, KAPLAN EOD's core competencies are its strength, endurance and ease of control.



+4 HOURS
ENDURANCE

6 DOF
ROBOT ARM

PORTABLE
OPERATOR CONTROL UNIT





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KAPLAN EOD enables the bomb squads to examine a suspicious object from at least 500 meters and is equipped with a six-degree-of-freedom robotic arm for detailed inspection and disposal of explosives. The agile vehicle platform

provides enhanced mobility on various terrains such as rock piles, steep slopes, stairs etc. under snowy and muddy conditions.

The onboard surveillance system enables the robot operator to examine suspicious objects with high resolution in real-time from the remote Operator Control Unit (OCU) and record for future examination. Additionally, with 3D Robot display shown on the OCU, all movements of the robot can be monitored even if the robot is not within line of sight.

KAPLAN EOD also allows the operators to use automated processes and predefined operations to increase their attention on the mission by decreasing the work load in such a highly stressed environment.



General Specifications

- Size : 115/65/90 cm (l/w/h)
- Gross weight : ~150 kg (including batteries)
- Max. speed : 7 km/h
- Control range : >500 meters
- Endurance : 4+ Hrs, mission dependent
- Batteries : Lithium-Ion military grade
- Environmental : All weather operational
- Operating temp. : -20°C - +69°C

Mobility

- Ground clearance : > 8 cm
- Tow capacity : ~120 kgf
- Traversability
 - Vertical step : >20cm
 - Gap crossing : >40cm
 - Slope : >30deg
 - Stair climbing : >30 deg
 - Slide slope : >35 deg
 - Water fording : >15 cm

Communication

- Digital wireless, network enabled

Robot Arm

- 6 DOF (5 rotary, 1 gripper)
- Gripper opening : 20 cm
- Maximum lift : 12 kg
- Maximum reach : 150 cm (horizontal)
: 180 cm (vertical)
- Disrupter and Laser
- Gripper and Targeting Camera

Accessories

- Loudspeaker (optional)
- Microphone (optional)
- Front drive camera
- LED illumination
- Surveillance system
- >20x optical zoom surveillance camera

Operator Control Unit

- Portable
- Wired/Wireless control enabled
- 3D robot display
- Live image monitoring and recording
- Automatized vehicle and robot arm control

Specifications are subject to change without any notice. | All tolerances are within ±10%.

