

groundZERO

Bomb Disposal IED Robot

This is a fully functional bomb disposal/IED Robot which can be operated remotely from a safe distance and can be used to deactivate the bomb or any hazardous object by minimizing the risk of human life. The robot is explosion proof and can handle small explosions without affecting the performance. It comes pre installed with color and thermal camera modules which relay the images to the remote locations and help the operator to control the operations safely. It also has gas/fumes sensor which notifies the user about hazardous environment.

Technical Specifications

Chassis Specification :

- Electronics & Sensors - On-board computer with overheat protection, compass, accelerometer, inclinometer, Radiac sensor kit, x-ray
- Height - 40 cm with manipulator in stowed position 200 cm with manipulator fully extended
- Width - 50 cm
- Length - 100 cm with flippers stowed 120 cm with flippers extended
- Weight - 70 kg including batteries
- Drive System - Rugged 4 Wheel Drive with inflated wheel or Track Based
- Mobility - 6 km/h max speed, Slope-45 degree, stair climbing -yes, water depth -4 inch, All weather
- Communications - Digital 2.4GHz, 2 Way Audio Communication, Headphone with microphone, encrypted communication
- Power - Batteries and Battery Chargers, Runtime 6 hours
- Camera - Digital (10x) and Optical (36x)
- Payload 50 kg

Drive System :

Rugged 4 wheel drive with inflated wheels for all terrain manoeuvring.

System specifications :

- Rugged 15" Laptop OCU
- 2.4 GHz radio link
- Manipulator
- 2 way audio communication
- Dismounted firing circuit
- Headphone w/ microphone
- Batteries and Battery Charger
- Multi Sensor Kit
- Sleeve packs
- Radiac sensor kit
- Dual accessory port payload adaptor
- Rugged, sealed hardened case
- Users manual & user documentation
- gridCONTROL software license