

**BARKAN 2**

**AUTONOMOUS  
MEDIUM CLASS UGV**

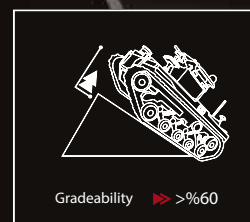
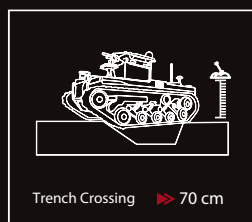


# BARKAN 2

**BARKAN** is a multi-purpose autonomous vehicle capable of operating effectively in all terrain and environmental conditions. Its modular design allows integration of various payloads. BARKAN can perform critical functions such as firepower with different types of weapons, carrying loads and casualties, IED detection, surveillance and reconnaissance.



## MOBILITY CAPABILITY



## BASE PLATFORM FEATURES

- Dimensions (cm) 190x125x100 (L x W x H)  
(Without Payload)
- Weight 750 kg (Without Payload)
- Payload Capacity 200 – 400 kg
- Maximum Speed 12 km/h
- Working Time > 5 hours
- Propulsion System Electric Motor
- Operating Temperature -20°C - +49°C
- Ground Clearance 20cm

## COMMUNICATION

- Tactical Data Link Range: 2 km (In Line of Sight)
- GSM Communication
- Wired Communication (with Fiber Optic Cable)
- SATCOM(Optional)

## CONTROL PANEL

- Portable Design
- Remote Wired / Wireless Control
- Autonomous Mission Planning

## OTHER FEATURES

- Front / Rear LED Lighting
- Front IR Lighting
- Front / Rear / Right / Left Driving Cameras
- Bidirectional Audio Transmission System

## OPTIONAL PAYLOADS

- 5.56/ 7.62 mm/ 12.7mm Weapon System
- 40 mm Grenade Launcher
- Robotic Arm
- Radar Surveillance System
- Extendable Peripheral Surveillance System (EO/IR/LRF)
- Mine Detection System
- Load Carrying Kit
- Casualty Carrying Stretcher
- Trailer
- Loitering Ammunition
- Laser Guided Missile

## AUTONOMY FEATURES

- Autonomous Patrol
- GPS Standalone Task
- Leader Follow-up
- Obstacle Avoidance
- Dynamic Route Planning
- Return to Home in Loss of Link
- Drivable Route Selection
- Speed and Orientation Stabilization
- 3D Mapping