



# BARKAN

Autonomous UGV System



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## Autonomous UGV System

### BASE PLATFORM FEATURES

- **Dimensions (cm)** 90x140x99 (wxlxh)
- **Weight** 380 kg (Without Payload)
- **Payload Capacity** 350 kg
- **Maximum Speed** 13 km/h
- **Working Time** >3 hours
- **Propulsion System** Electric Motor
- **Operating Temperature** -20°C - +52°C

### MOVEMENT CAPABILITY

- **Steep Slope** >%50
- **Side Slope** >%30
- **Trench Crossing** 60 cm
- **Steep Barrier** 16 cm
- **Crossing Through Water** 40 cm

### WIRELESS COMMUNICATION

- **Tactical Data Link Range > 1 km (in Line of Sight)**
- **GSM Communication**
- **150 m Wired Communication (with fiber optic cable)**

### CONTROL PANEL

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

### PAYLOADS

- **7.62 mm Weapon System**
- **Robotic Arm**
- **40 mm Grenade Launcher**
- **Upgradable Peripheral Surveillance System (Thermal/Day)**

### 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**
- **UGV Convoy**

### OTHER FEATURES

- **Front/Rear LED Lighting**
- **Front IR Lighting**
- **Front/Rear/Right/Left Driving Cameras**
- **Bidirectional Audio Transmission System**
- **Cargo and Towing Kits**



**BARKAN**  
**W40**  
ARMED



**BARKAN**  
**R40**  
ROBOTIC ARM



**BARKAN**



**BARKAN**  
**S40**  
OBSERVER



**BARKAN**  
**C40**  
CARRIER