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## Unmanned Ground Vehicle (UGV)



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The frequency and diversity of security threats in the world has increased, especially for land forces. Autonomous Unmanned Ground Vehicles (UGVs) integrate modern technology into military units, by sensing the environment through remote management or by means of sensor systems, and performing basic tasks such as reconnaissance, surveillance, and ammunition transport without personnel within the scope of the requirements of digital battlefields. Unmanned ground combat vehicles, which are available in different sizes and configurations for different needs, have gained qualities that can fulfill many tasks.

BARKAN is an important assistant for field personnel in many areas, especially in increasing the success of the operation, preventing losses and reducing operation costs.

With its remote control and autonomous mission capabilities in the operation areas of the future, the BARKAN will be a close companion of the military units. Thanks to BARKAN's swarm infrastructure, joint operations with other land and air vehicles will be possible from a single center. The BARKAN can be used in, multi-purpose missions thanks to its superior autonomous features and its modular design in which different payloads can be integrated. It has been developed for tasks such as carrying or towing cargo, providing close protection, and armed reconnaissance.

## Product Capabilities

### Mission Capabilities

- 7.62 mm weapon system
- Robotic arm (Bomb disposal mission)
- CBRN mission system
- Transport/Towing
- Day/Night reconnaissance
- 3D mapping
- Rescue missions

### Autonomous Task Capability

- Autonomous patrol
- GPS standalone task
- Leader follow-up
- Obstacle avoidance
- Drivable terrain identification
- Dynamic route selection
- Returning home in loss of link

## Product Features

- Max speed: 13 km/h
- Electric motor power system
- 8 hours operation time
- Dimensions (cm): 140cm x 90cm x 99cm (L x W x H)
- Weight: 380 kg (Without payload)
- Hybrid support power unit (Optional)
- Different payload options
- Modular structure, ease of maintenance
- 360° Surveillance
- Day and night operation
- GPS/GNSS positioning systems
- High terrain capability
- Ability to operate jointly with air and sea vehicles

