

TRAILBLAZER

Unmanned Ground Vehicle (UGV)

TOPAZ
robotics

Multi-Mission System:

- Fire support – gun / missiles
- Border / facility defense
- ISR operations
- Logistic supply
- Special missions



High mobility, 6x6, electrically powered vehicle



- In-hub electric motors
- Each wheel separately hydraulically suspended
- Onboard diesel generator battery charger
- Low silhouette and acoustic signature

Onboard ISR sensors: panoramic video 360°, HD EO payload on 3m telescopic mast

TRAILBLAZER UGV

Overview

TOPAZ
robotics

Data Link



**Remote
Control
Station**

***High off-road
performance***

***Automatic obstacle
detection and avoidance***

Parameters:

Max. speed:	35 km/h
Range (battery):	50 km
Range (w/generator):	160 km
Head/Side slope:	60/40%
Gross vehicle weight:	3,500 kg
Payloads weight:	1,500 kg
Length	3.7 m
Width	2.2 m

Control Modes:

- **Remote** – by driver at control station
- **Follow** – behind/ahead of forces
- **Autonomous** – preplanned route, with obstacle avoidance

