

AVANTGUARD® UGCV

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Field-proven UGV with enhanced combat capabilities



Already trialed and certified by the Israeli army and relying on the technological strength and capabilities of the Guardium UGV™ system, the AvantGuard® Unmanned Ground Combat Vehicle (UGCVC) expands the applications envelop to further encompass ground maneuvering combat missions.

Based on varied of tracked platforms such as APC M113, tactical amphibious ground support (TAGS) and other vehicles, the AvantGuard® UGCVC features superb maneuverability even in harsh terrain

Employing a set of modular payloads and bearing on its inherent endurance the AvantGuard® UGCVC is effectively deployed in a variety of combat missions, including: Advance Guard, Armed Sentry, Combat Logistic Support, CASEVAC and more.

The AvantGuard® UGCVC is controlled by mobile or portable Operational Control Unit (OCU). It could also operate in a Follow-me mode, where it is autonomously trailing a Guide foot soldier or Guide vehicle.

Leveraging the capabilities of the Guardium UGV™ system, the AvantGuard® UGCVC is fully compliant with current military and industry standards, having successfully completed extensive field testing

The AvantGuard® UGCVC Convoy mode reducing casualties in enemy ambushes, occasional IED or rocket-propelled grenade attack while it requires only a small number of people to manage a large number of trucks.



System Characteristics: System Level

- Tele-operation or semi-autonomous mission execution
- Real-time, self-ruling, obstacle's detection and avoidance
- Proven safe-system
- All terrain maneuverability
- Easy to operate, dedicated command & control application, in complementary operational versions: mobile and portable
- Built-in debriefing and training capabilities
- Variety of customer tailored wireless communication solutions



Mission Level

- Modular selection of payloads for comprehensive situational awareness and different mission requirements: EO / IR camera, Radar, Remotely Operated Weapon Systems, Electronic Counter Measures, Hostile Fire Indicator (HFI), RFID

GNIUS
Unmanned Ground Systems