

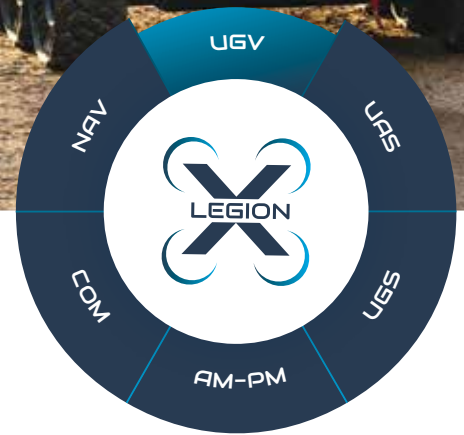
# ROOK

Multipurpose robotic unmanned ground vehicle



Part of the Legion-X robotic and autonomous combat solution, the ROKK high mobility 6x6 unmanned ground vehicle (UGV) with all-terrain maneuverability is suitable for close and long-range operations under extreme conditions. Designed to carry heavy payloads, the multipurpose robotic UGV can perform a wide range of urban warfare, battalion maneuvers and border protection missions while increasing front-line effectiveness and survivability.

The advanced platform can be teleoperated, operate in fully autonomous beyond-line-of-sight mode (BLOS) and in multi-domain autonomous swarming operations. Featuring a large loading platform and capable of carrying 1200 kg at a speed of 30 kph, the ROKK can transport multiple sensors, weapon stations and other payloads.



# ROOK

## Multipurpose robotic unmanned ground vehicle

### System Highlights

**Legion-X compatible:** Can be operated individually or as part of autonomous swarm of multiple unmanned vehicles.

**Open architecture:** Easy plug-and-play payload integration with full Interoperability Profile (IOP) compatibility.

**High mobility platform:** A six-wheel frame, low center of gravity and full electric engine for all-terrain maneuverability carrying a heavy payload.

**Remote-controlled:** Lightweight ruggedized operator control unit features a 7" screen and superior user-friendly interface.

**Dual operational mode:** Teleoperated or fully autonomous and beyond-line-of-sight mode.

**Hybrid operation:** Incorporates internal battery packs and fuel engine for long-range operations.

### Technical Specifications

Parameter	Description
Dimensions (L x W x H)	270 x 160 x 120 cm / 106 x 63 x 47 in
Weight	1200 kg / 2645 lb
Max. payload weight	1200 kg / 2645 lb
Speed	30 kph / 18.6 mph
Towing speed	80 kph / 50 mph
Ingress protection	IP67
Turning circle	0 turn radius
Vertical grades	60 [%]
Ground clearance	24 cm / 9.4 in
Operating time	8 hours, hybrid mode available
Operating range	1000 m / 3280 ft
Communication	Secured IP, MESH data link
Interfaces	Compatible with IOP standard
Illumination	Visible white LED + IR light
Video and cameras	360° HR real-time day/night video

### Main Applications



MEDVAC (medical evacuation)



Last-mile logistics



Intelligence, surveillance, and reconnaissance (ISR)



Effector: Remote weapon stations and loitering munitions



**Elbit Systems C4I and Cyber**

2 Hamachshev St., Netanya 4250712, Israel

E-mail: [C4icyber.info@elbitsystems.com](mailto:C4icyber.info@elbitsystems.com) [www.elbitsystems.com](http://www.elbitsystems.com)

Follow us on   