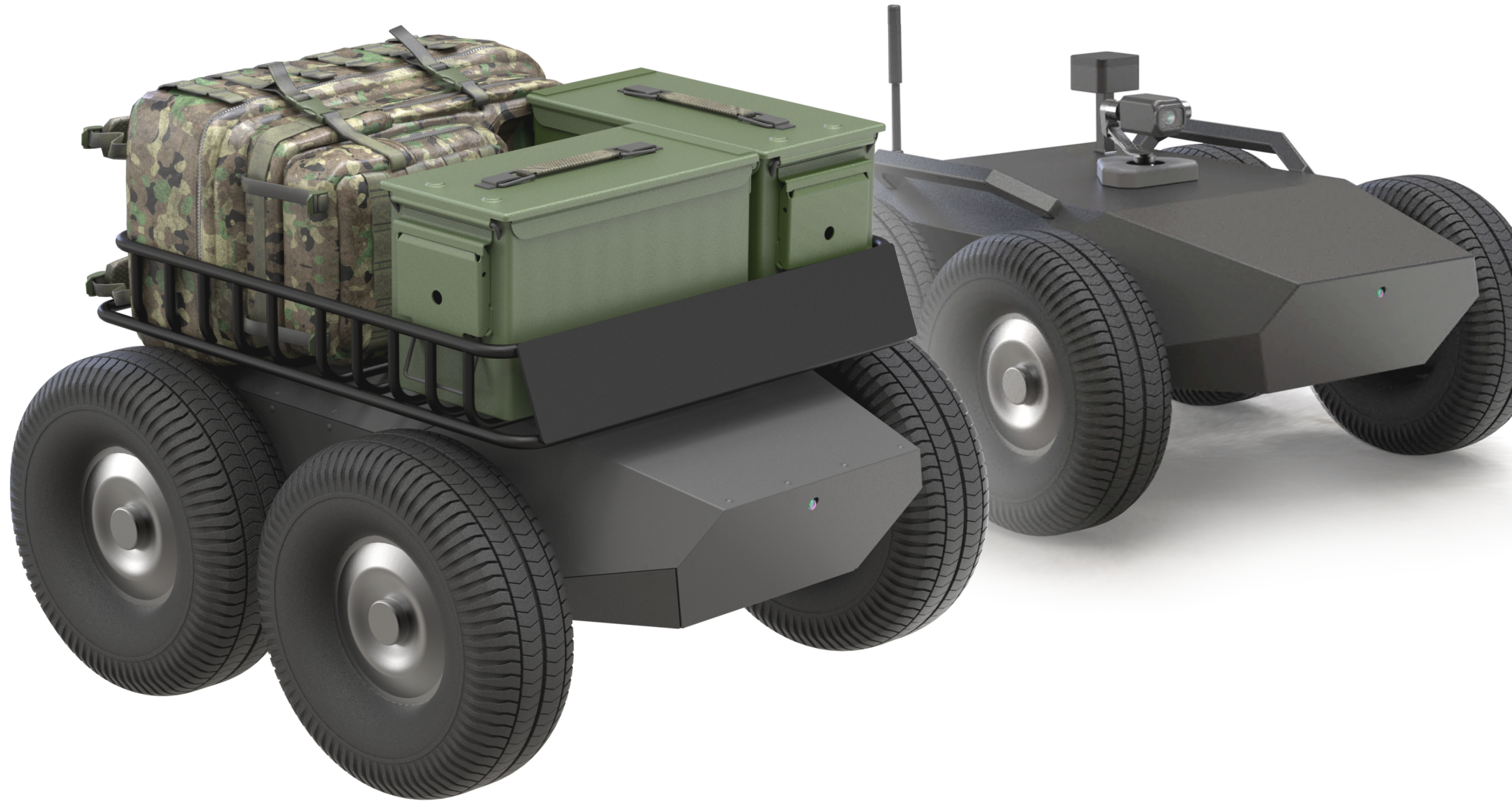


AtlasROVER

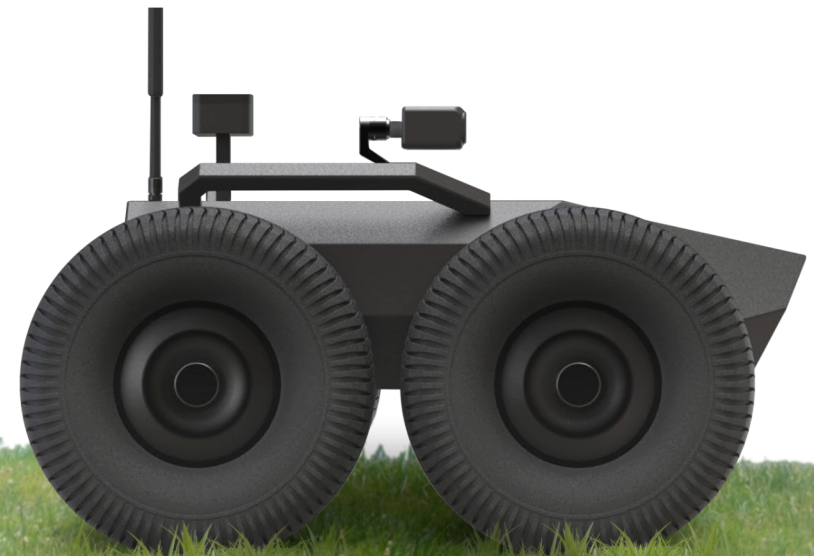


AtlasROVER - customizable modular all-terrain vehicle platform

The customizable all-terrain vehicle platform AtlasROVER offers unparalleled versatility for diverse industrial and military applications. With its **modular design**, customers can easily adapt the vehicle to meet specific operational needs, **integrating various equipment and accessories seamlessly**.

From rugged terrains to urban landscapes, this adaptable platform excels in navigating challenging environments while providing **robust performance and reliability** for a wide range of missions and tasks.

Platform can easily be configured both for **high speed** to cover large distances quickly, as well as **slow speed and high torque** applications for heavy payload transportation.



29 kg
rover weight

24 km/h
max speed

45 km
battery range

9.5+ km
max distance

110 kg
cargo capacity

AtlasROVER optional accessories



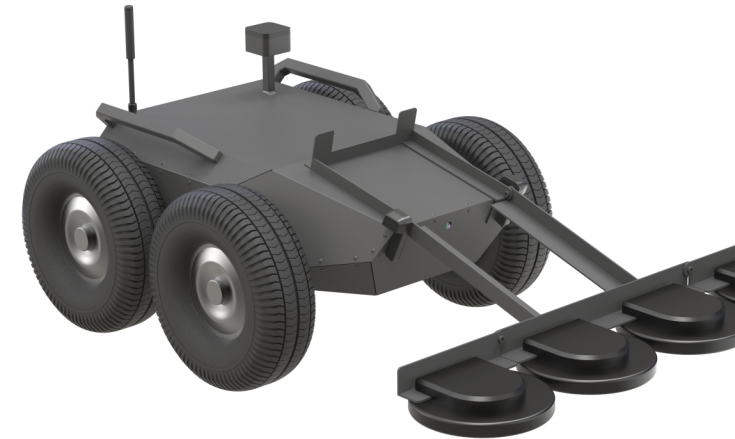
Cargo transport platform

Customizable top cargo divider attachment for securely attaching backpacks, ammunition boxes, supply containers and other equipment for transporting.



Mine deployment attachment

AtlasROVER can be used as a remotely controlled front line landmine deployment vehicle. With the help of onboard autopilot rover can place the explosives with pinpoint precision.



Demining detector attachment

With mine detector attachment installed multiple AtlasROVERS can be dispatch-ed to quickly and safely do the de-mining operations in wide areas at once, without putting human operators at risk.

AtlasROVER

Technical datasheet



PHYSICAL CHARACTERISTICS

Dimensions (w x l x h)	410 x 635 x 285 mm
Weight (incl. battery and payload)	29 kg
Enclosure	1.5mm galvanized steel
Ingress protection	IP44, weather protected
Chassis finish	Scratch resistant powder coating

OPERATIONAL ENVIRONMENT

Operating temperature	-20°C to +55°C
Relative humidity	5 ~ 95%, non-condensing

BATTERY AND POWER

Battery module	Atlas Rover Battery pack
Operating voltage	36V
Capacity	15.1 Ah (545Wh)
Battery management system	Yes, Smart battery
Battery heater	Yes, automatic
Charger	210W
Charge time	2h 45min

PROPULSION

Motor configuration	Quad-motor drivetrain
Max power	1300 W
Battery range	45 km
Max speed	24 km/h (6.6 m/s)
Max cargo weight	110 kg
Position hold	E-brake

PAYLOAD SUPPORT

Visor FF	Thermal VGA (640 x 480) at 30fps
Kalos 120	3x zoom, 4K (3840 x 2160) at 30fps
Argus M20	20x zoom, FHD (1920 x 1080) at 30fps

MAINBOARD AND STORAGE

Embedded flight controller	Atlas RCM
Onboard video transcoding	Yes, hardware accelerated
Onboard object tracking	Yes, AI image co-processor
Supported codecs	H.264 / H.265
Onboard storage	MicroSDXC up to 2TB
Secure storage	Yes, AES256 encryption

ONBOARD SENSORS

GNSS	U-blox 10 (GPS + GLONASS + Galileo)
Positional sensors	Compass, Thermometer

COMMUNICATIONS

Primary radio	Atlas ATR-200 @ 1W (30dBm)
Encryption	WPA3 SAE (CCMP)
AtlasMESH Compatible	Yes
Standard (civilian) freq. range	2.4 - 2.4835 Ghz
Full extended freq. range	2.2 - 2.7 Ghz
Frequency hopping	Yes, including smart scan
Onboard antenna	5dBi
Radio range	>9.5 km LOS
Certification	CE, FCC

ACCESSORIES

Demining	Mine detector attachment
Ammunition feeder	Mine deployment attachment
Cargo mount	Top-mount cargo platform