



## *High Mobility NOW*

*Chaos™ is a robotic platform with four configurable and independently controlled tracks. Its superior design allows it to go where no other robot of its size can go. Chaos™ handles stairs, train tracks, rubble piles, gravel, and steep grades of loose debris. Its refined, modular design also affords easy field service, maintenance and repair. Chaos™ is the platform that can get you where you need to be.*

The basic Chaos™ platform is fully JAUS compatible and has the volume and weight capacity to handle a wide variety of sensor and robotic payloads, such as an arm for EOD applications or sensors for hazmat situations. Chaos is supplied with Mobi™, ASI's handheld Operator Control Unit (OCU) loaded with the Mobius™ software, the universal command and control software solution for unmanned vehicles. Mobius supports operational modes from simple tele-operation to multi-vehicle autonomous behavior. The combination of Chaos™, Mobi™, and Mobius™ provides the power, design, and intelligence your project needs today.

# Chaos Features and Highlights

## Dimensions

- Height: tracks flat: 23 cm (9.1 in)  
tracks raised: 49 cm (19.3 in)
- Width: 66.5 cm (26.2 in)
- Length: tracks extended- 131 cm (51.6 in)  
tracks retracted-78 cm (30.7 in)
- Turning Radius: Zero within 105 cm (41.3 in)
- Weight w/battery: 59.9 kg (132 lbs, one pack)  
69.4 kg (153 lbs, two packs)

## Performance

- Mobility: Quad independently driven track/arm hybrid
- Speed: Up to 10.5 kph (6.5 mph)
- Vertical Step: Up to 45 cm (18 in)
- Gap Crossing: Up to 60 cm (24 in)
- Slope: 40 degrees
- Side-Slope: 36 degrees
- Runtime: 4 hrs driving/climbing with 45 kg (100 lbs) cargo  
Range up to 42 km (26 miles)



With superior mobility, carrying capacity, and provisions for expansion, Chaos™ is the ultimate platform for small robot technology development and integration.



## Expansion

- Runs on readily available mil-spec Li-ion batteries
- Operates with 6-12 batteries, increasing in increments of 2
- Accepts alternative/experimental powerplants
- Two hot-swappable battery/payload bays
- Abundant mounting points for external payloads and hardware
- Auxiliary power outputs
- CAN, serial, and ethernet payload interfaces
- Refer to Chaos Payload Pinouts for specific electrical interface options

