

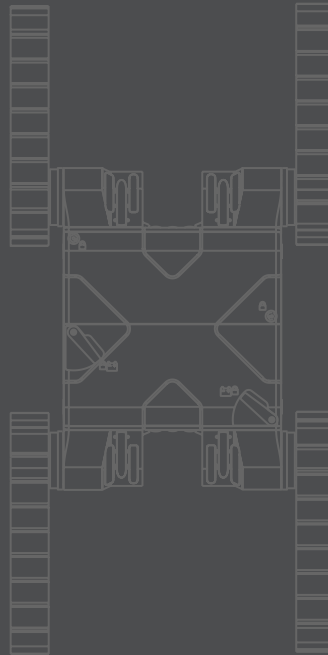
go more places...



CHAOS
high mobility platform

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 robotic platform of its size can go. It can handle terrain like stairs, train tracks, rubble piles, gravel, and steep grades of loose debris. It was recently tested at Disaster City in Texas, the premier search and rescue training ground.



There, in some of the most difficult terrain a robot will encounter, Chaos™ demonstrated its superior mobility.

Specifications

Dimensions

- Height:** 8 in. (tracks flat), 20.5 in. (tracks raised)
Width: 27 in.
Length: 53.5 in. maximum x 28 in. minimum
Turning: 0 turn radius, 39 in. diameter of turning area used
Ground Clearance: 15.5 in. maximum

Weight

- Platform:** 120 lbs
Manipulator: 35 lbs

Mobility

- Method:** Mobile quad independent track/drive arm hybrid.
Slope: 45 degrees
Speed: 0 to 5 mph
Traverse: 22 in.
Maximum Vertical Step: 13 in.
Runtime: 3 hours

Manipulator

- Base joint rotation angle:** 360 degrees continuous
Shoulder joint rotation angle: 200 degrees
Elbow joint rotation angle: 340 degrees
Gripper open to close distance: 4.3 in.
Lifting capacity full arm extension: 33 lbs
Lifting capacity max: 66 lbs
Vertical reach: 39 in.
Horizontal reach: 39 in.

Video

- Base Camera:** Wide angle
Arm Camera: F=4.2 mm to 42 mm
10x optical zoom, 4x digital
Manual/auto focus
Back light compensation
White balance (auto/manual)

Sound

- Audio:** 2 Way audio hook ups

Electrical

- Power supply:** 56 Volt lithium-ion battery pack
Auxiliary power outputs
Auxiliary lighting
C.A.N. payload interface
802.11 wireless video
Ethernet capabilities

- Sensors:** IMU
GPS navigation (Optional)

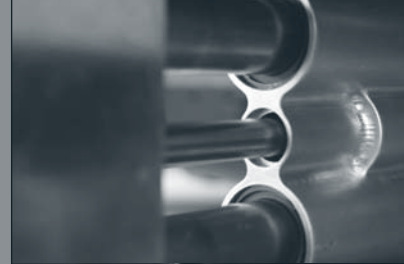
Environmental

- Water resistant:** Sealed weather resistant enclosure, wet or dry surfaces

- Terrain:** Extreme terrain

Operator Control Unit

- Display:** 8.5" LCD screen
Dimensions: 3.75" D 17.75" W 9.75" H
(15" H including flexible antenna)
Weight: 9 lbs (including battery)
Highlights: Dual joystick control for ease of navigation
Runtime: 4 hours
Mobius™: Tele-op (Standard)
Autonomous (Optional)



high mobility NOW

The basic Chaos™ platform is fully JAUS compatible. Chaos™ has the volume and weight capacity to handle the load of 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 control for unmanned systems. 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 you need to go to more places.



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Call Us Today
for a Demo
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