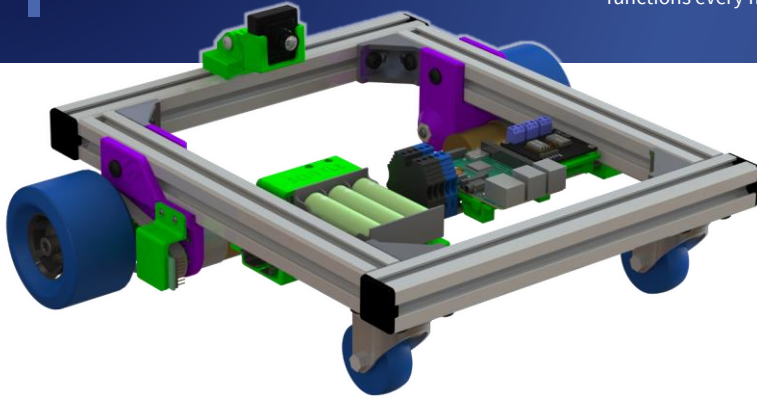


SCUTTLE = sensing, connected, utility transport taxi for level environments. It's a modular mobile robot platform for research & education built from industrial grade components. DIN-mounted electronics, robust aluminum chassis & carefully researched combination of actuators makes version 3.0 the most extensible system available. SCUTTLE was adopted for projects by TI, Intel, Blackberry, and research universities where the world's best roboticists are creating new open-source functions every month.



SCUTTLE v3.0



Features

- ◆ Differential drive enables zero-turn radius
- ◆ Wheel mods available up to 154mm diameter
- ◆ Efficient design yields up to 8-hour battery life
- ◆ Free downloadable 3D brackets for Lidar, Sonar, Radar, Camera mods, IMU, & more.

Applications

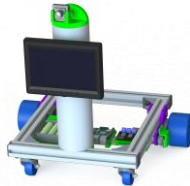
Unlimited possibilities with ROS compatibility & open designs



Mobile Manipulator



Container Delivery



Telepresence

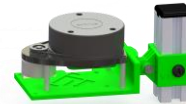
Addons:



Body Cover



Wheel Mods



Lidar

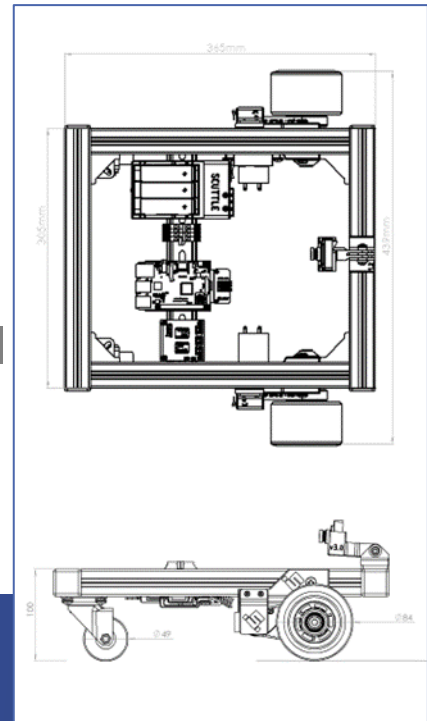
Specifications

Key Specs

Dimensions (mm)	365 x 440 x 100
Ground Clearance (mm)	58
Weight (Kg)	4.1
Payload (Kg)	40
Max Speed (m/s)	0.45
Wheels Diameter	49 (front) 83 (rear)

Sensors

2D Lidar (optional)	RPLIDAR-A1, YDLIDAR, or TiM 5xx
Camera	720P, industrial USB camera, built-in microphone
Odometry	Twin magnetic encoders, 12 bit, with absolute positioning
Storage	Samsung Evo Plus, Class 10 32GB, best-in-class speed
Power Adapter	USBC, 5v 3A (onboard) / 12v 3A charger



Support Open Source

SCUTTLE is a 100% open source platform, with every component and connector designed with the hands-on maker in mind. Trust that every hardware and software component will be open and free for download & modification. All profits drive expansion of the open ecosystem.

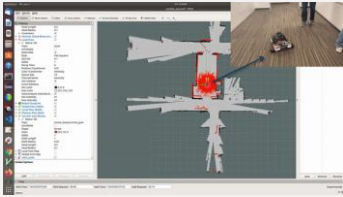
Our origins in *multidisciplinary* academic research and our experience in at-scale manufacturing serves a completely unique ecosystem. We aren't tied to just one region of the world nor one engineering discipline. Compared with other platforms, you'll find balance of software, mechanical, and electronics instead of one focal point. See the results of our projects to believe it.



Trusted by Experts

Texas Instruments

TI created an entire "robotics academy" with software released on github for their latest Edge AI processor boards.



LIDAR-based Navigation



Integrated ZED 3D Cam

❖ TI Robotics Academy [Explorer](#)

Intel

Intel kicked off SCUTTLE-based projects in Southeast Asia, linking 6 universities plus Taiwan-based [Axiomtek Corp](#) to engineer platform variants headed for industrial automation.



ROBOFUN in Southeast Asia



Industrial SCUTTLE

❖ Learn about [Robofun](#)

Viam

A 2022 startup led by tech visionary Eliot Horowitz, founder of [MongoDB](#). Viam's goals align with SCUTTLE, unlocking capabilities trapped in the academic research sector. Viam and SCUTTLE partnered to introduce flexible, open robotics solutions for SLAM and [much more](#).



D3 Engineering



R&D Platform

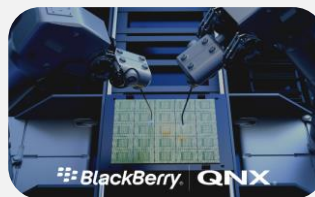


Sensor Fusion

- ❖ Inventory Scanning [Info & Tech Data](#)
- ❖ Sensors & camera fusion components demonstrated on SCUTTLE.

D3 has released high-fi electronics for the autonomous-vehicle sector where engineers embed and testing mobile autonomy. SCUTTLE was a perfect platform for starting.

Blackberry



R&D Platform

- ❖ QNX academy [homepage](#)
- ❖ Academy [summary](#)

In partnership with Texas Instruments, Blackberry leads an industrial controller safety ecosystem for upskilling industrial counterparts for safe robotics implementation.

SICK USA



TiM Industrial Lidar

- ❖ Sponsoring innovations like the [campus tour robot](#)

SICK engaged with SCUTTLE at Texas A&M University to plug in world-class lidars into undergraduate education. Their university support expands annually, forming a bridge from classroom to industry.

Changing robotics forever

Imagine a world where physical designs are digital, just like software. In this future, multidisciplinary designs are as free and hackable as Linux OS, through open-source hardware. SCUTTLE community offers access to ever-growing interoperable technology, all digital, all open.