

Nomad



Built By: Desert Star Robotics

@ Estrella Mountain Community College

Avondale, AZ

$\xrightarrow[2700 \text{ km.}]{1700 \text{ miles}}$

Kingsport, TN

Safety Features

- Shrouded Motors
- Encapsulated Tether with Master Fuse
- Waterproof Connections
- Regulated Air System with Master Shut-off
- Tether Strain Relief
- Hi-Visibility Underwater

Special features

- High FOV, Low Light Camera System
- 4 thruster vectored Configuration that allows for 4-DOF Movement Including Sway.
- Provisions For both Pneumatic and electrical tooling
- Fully Digital Control System Allowing for quick Tuning
- High Speed Movement using the full capability of the T200 Thrusters from Blue Robotics.

Basic Specs

Power: 48VDC System

Dimensions (Without Tools):

Length: 42cm / 16.5in

Width: 46cm / 18in

Height: 37cm/14.5in

Weight(Without Tools): 14.7kg/32.4lbs

Total Cost: Approx \$2850

Total Hours Invested: 330hr

The Team



The Desert Star Robotics represents Estrella Mountain Community College in Avondale, Arizona. Most of us are in our Sophomore year with a couple in their Freshman year. This is our second year participating in the competition. With a lot of returning faces. We are happy to be here for another year!!



Jeff Miller
Mentor



Steven Dotts
CEO
Vertical Profiler



Brennan Mai
CTO
Electronics
Manipulator



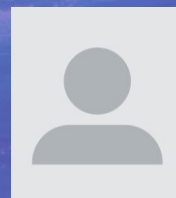
Shayla Lee
Outreach and Marketing
Project Manager



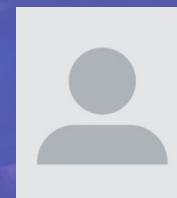
Andrué Anaya
Marketing
Mechanical Team
Electrical Team



Tony Mannarelli
CFO
Mechanical Lead



Tadeo Quintanilla
Software Team



Matthew Quiros
Mechanical Team