

# UAV DRONE GIMBAL RIG

## Unmanned Aerial Vehicles

MCK-DRGY-001



### MINDS-i STEM INTEGRATED ROBOTICS: UAV DRONE GIMBAL RIG

The MINDS-i Drone Gimbal Rig gives you the ability to pilot the MINDS-i UAV in a safe and controlled environment. The preassembled rig allows you to introduce flight controls and best practices to anyone, regardless of skill level or age. With the Gimbal Rig's 3-Axis system, you have the full motion capabilities of the UAV at your fingertips. The MINDS-i Gimbal Rig is an excellent fit in a classroom, trade show or convention.

### I FLYING DRONES

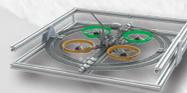
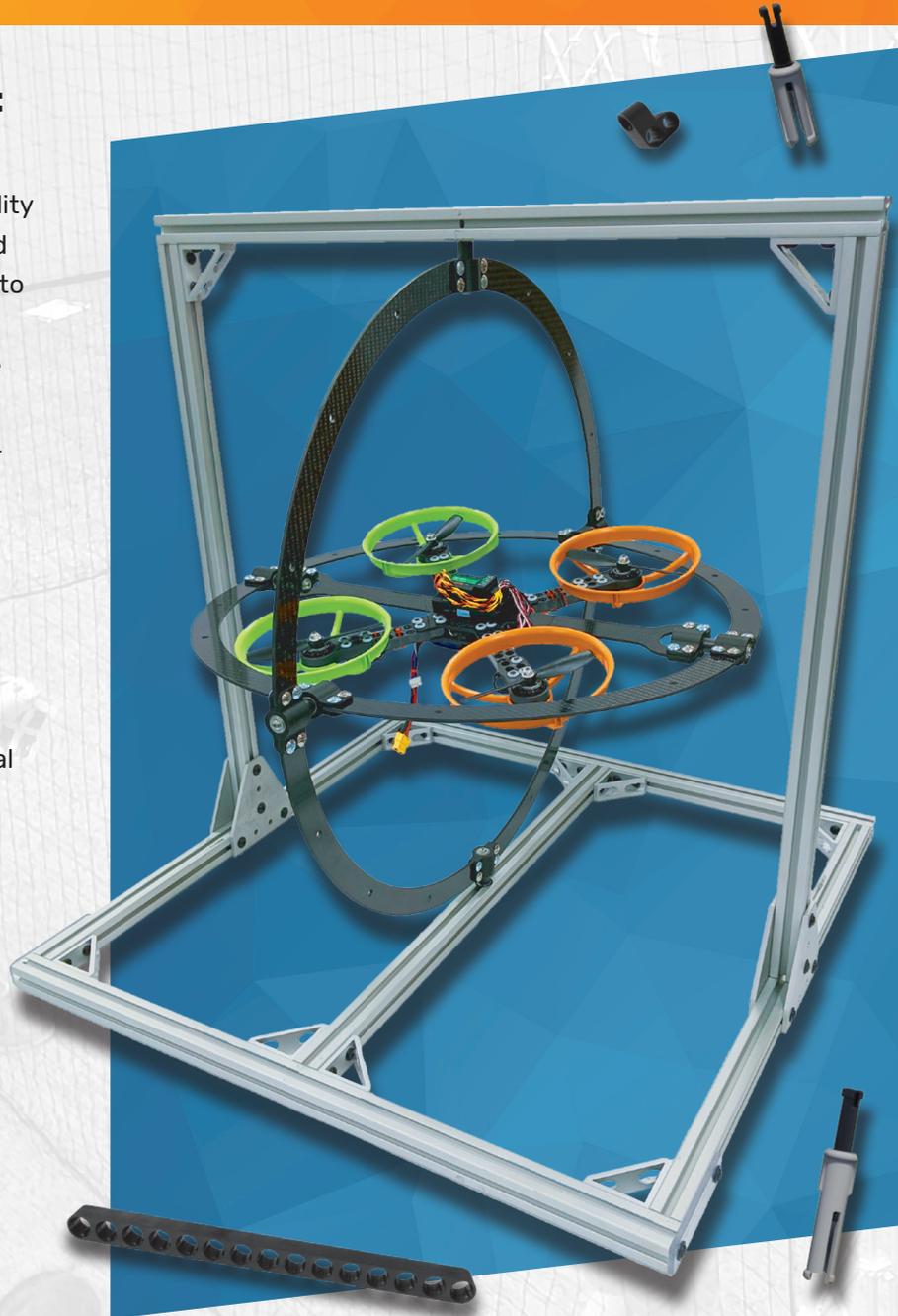
The programmable UAVs (Unmanned Aerial Vehicles) elicit a "wow" reaction while teaching programming, electrical engineering, mechanical engineering and aerodynamics. Contain the action with the MINDS-i UAV Drone Gimbal Rig.

### I GYRO-ACCELEROMETER

Stabilize the drone autonomously while also responding to the pilot's commands.

### I REMOTE TELEMETRY

Send and receive real-time data between the UAV and computer to monitor vital data, including GPS location, orientation, battery voltage and amperage draw.



GPS & COMPASS

TELEMETRY

DASHBOARD

EASY STORAGE

DRONE MODULE

RC CONTROL

FIND YOUR MINDS-i SALES REPRESENTATIVE AT:

[mindsieducation.com](http://mindsieducation.com) »

[info@my minds i.com](mailto:info@my minds i.com) »

# I UAV CURRICULUM RESOURCE

## 1. Flight Demo

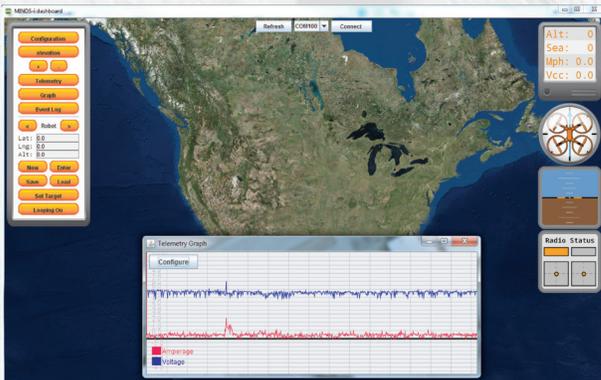
- a. Utilizes the same controls as MINDS-i UAV curriculum kits
- b. 3-Axis Gimbal allows the UAV to move as it would during standard flight
- c. Students will become familiar with flight controls in a contained environment
- d. Perfect for FAA 107 Preparation

## 2. Features

- a. Rugged Aluminum Frame
- b. Ball Bearing Pivot Points
- c. Carbon Fiber Gimbal section for increased strength to weight
- d. Fully loaded UAV with GPS & telemetry

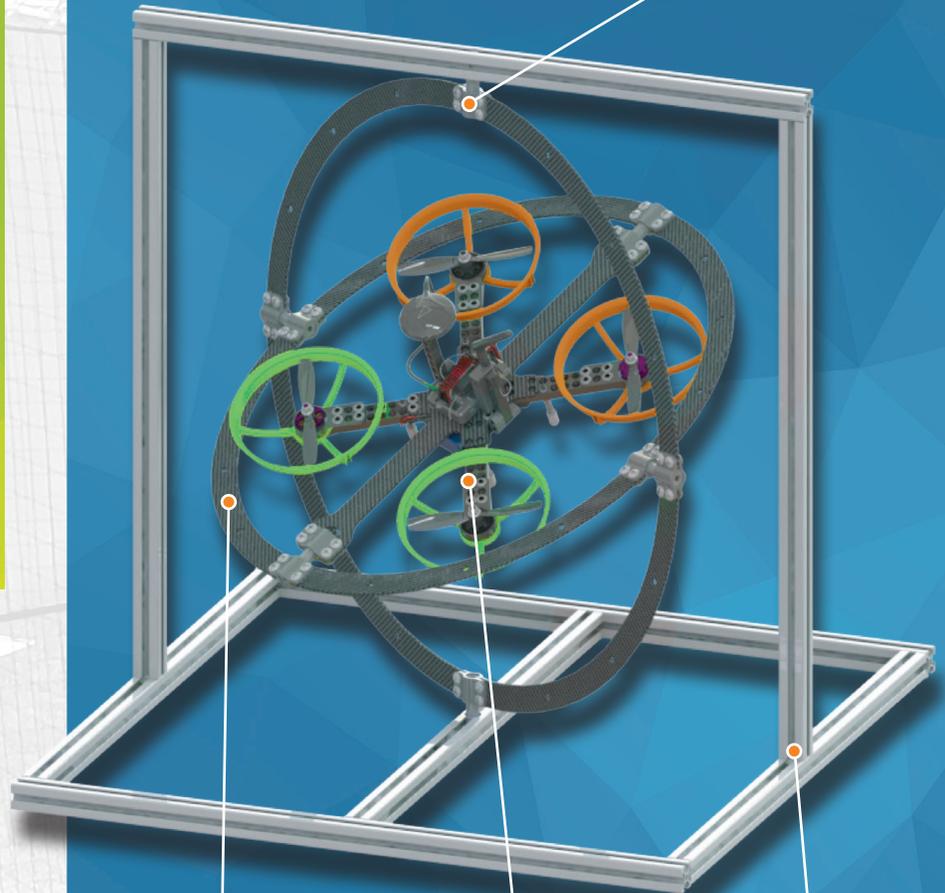
## CONNECT TO THE MINDS-i DASHBOARD TO VIEW FLIGHT DATA AND TELEMETRY LIVE

- » Open Source Software
- » Easy to use Graphical Interface
- » Drag and Drop Installation (w/ Radio Driver)
- » Save and Load GPS Paths
- » Live Location Tracking
- » Wirelessly Adjust Settings
- » Capable of Navigating to 100 Waypoints
- » Customizable Graphs: Latitude, Longitude, Yaw/Direction, Pitch, Roll, Ground Speed, Voltage, Amperage and Altitude
- » Full Telemetry Logging
- » Inclinometer Gauges
- » Windows 10, OS X & Linux Ready



UAV DRONE GIMBAL RIG

BALL BEARING PIVOT POINTS

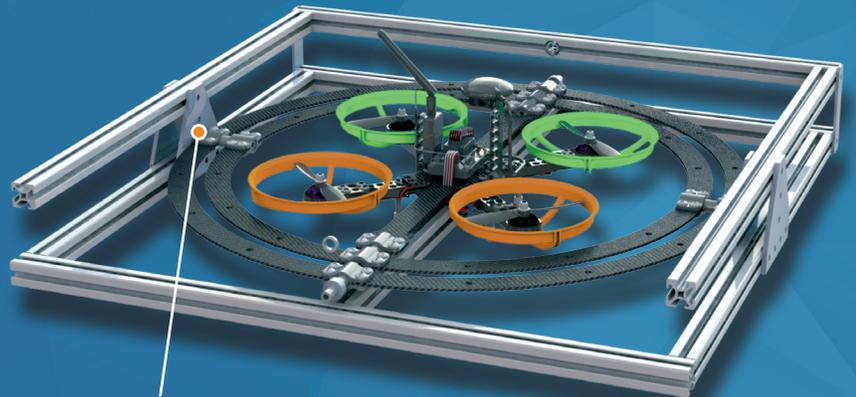


3-AXIS ROTATION

FULLY OPERATIONAL MINDS-i UAV

STURDY ALUMINUM FRAME

UAV DRONE GIMBAL RIG (COLLAPSED)



COLLAPSES FLAT FOR EASY STORAGE