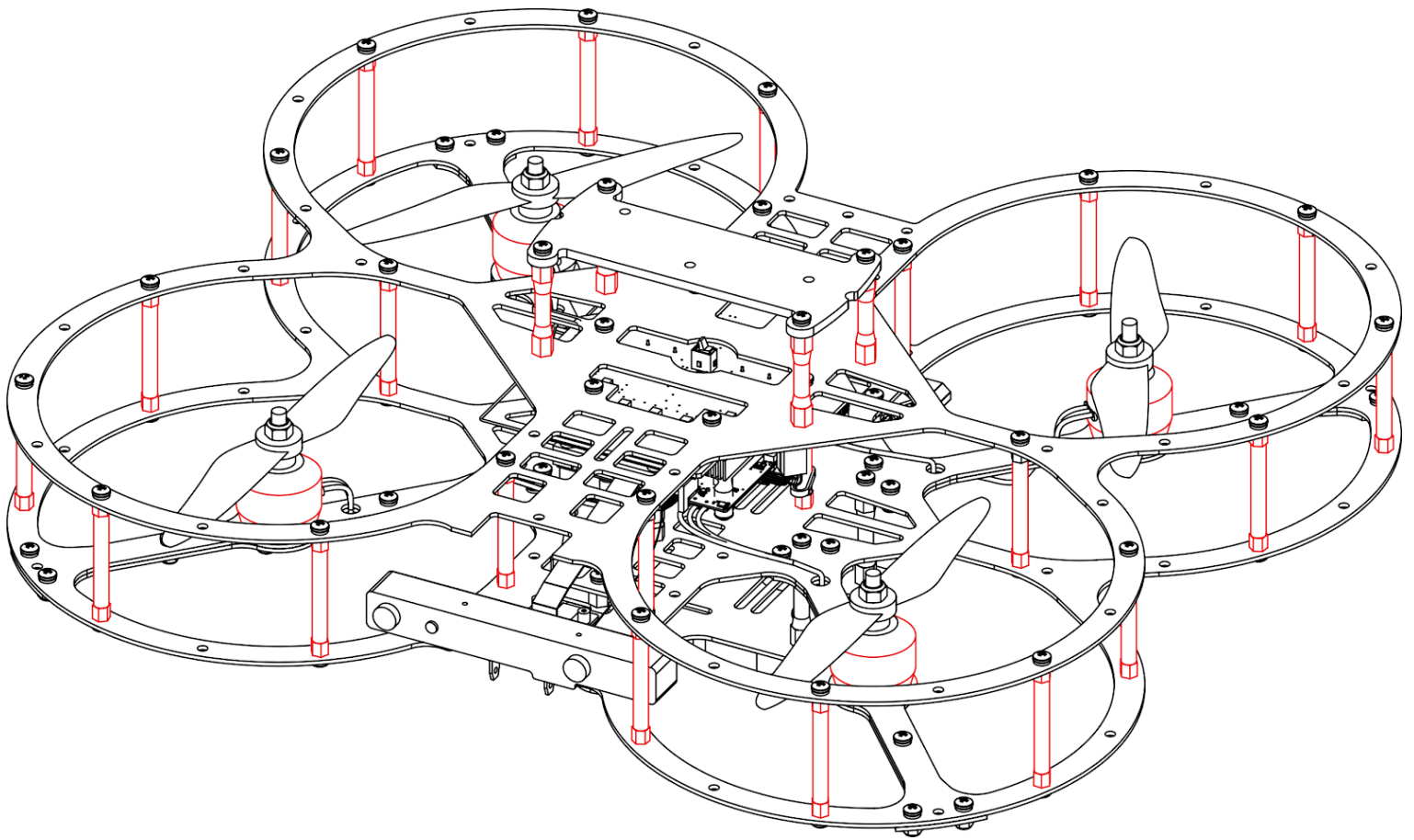


# Autonomous Vehicles Research Studio



Guides and Resources: Hardware - QDrone

**v 1.1** (December 2019)

## What this series covers

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This series presents details on some of the hardware components associated with the QDrone. Ensure that you have followed all the steps outlined in the [Research Studio Setup](#) documentation.

1. **Embedded Compute Module**  
This will provide details on the features and components of the Intel Aero Compute and Quanser expansion board.
2. **Propulsion System**  
This document will outline the motor/propeller combination on the QDrone, as well as it's response characteristics.
3. **Battery**  
This will include performance characteristics, as well as information on charging the batteries.
4. **Localization Markers**  
This guide will help you choose localization configurations for single and multi-vehicle scenarios, as well as guidelines on mounting them.
5. **Cameras**  
This guide provides details on the QDrone's camera hardware.

Document	Completed
Embedded Compute Module	<input type="checkbox"/>
Propulsion System	<input type="checkbox"/>
Battery	<input type="checkbox"/>
Localization Markers	<input type="checkbox"/>
Cameras	<input type="checkbox"/>