

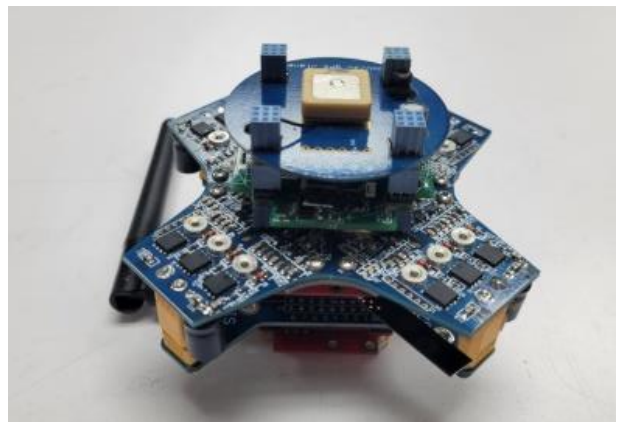
The X-Wing Target utilizing UxV/35™ 23 August 2024

The Salt Lake City, UT. manufactured X-Wing Target is a 10" propeller quadcopter that utilizes easy to assemble and repair UxV/35™ components. The X-Wing applies Kairos' experience with vacuum molded airframes towards an expendable target drone. The result is an efficient and cost-effective drone that features the same durability and reparability seen in the field from our Sturnus Dropper UAS.

All circuit boards are manufactured in Salt Lake City, Utah.

Key Features:

- **Both NDAA Compliant and Non-NDAA Compliant Configurations Available**
- **Non-Proprietary Components**
 - UxV/35™ Flight Stack
 - Individual components readily available on Digikey and by contacting Kairos directly
 - Supports any properly sized 800KV – 1200KV motor if replacements are needed
- **Durable Vacuum Molded Exoskeleton**
 - KYDEX material
 - Available in Multiple Colors
 - Robust, but Disposable
 - Crash Resistant
- **Field Repairable with Simple Tools and No Soldering**
 - Components in the stack can be easily reconfigured, added, or replaced
 - Repair Kits and Documentation available
- **IP63 Protection**
 - Protected from Dust and Rain
- **Utilizes Ardupilot Mission Planner**
 - Autonomous Waypoint Mission Planning
- **Common Battery Usage**
 - 4S Batteries with XT60 Connector



Complete X-Wing UxV/35™ Flight Stack

Specifications:

Length – No Props	13 in / 33 cm
Width – No Props	13 in / 33 cm
Height	5 in / 12.7 cm
GNSS	Multi-Constellation
Takeoff Weight – Average	2.3 lbs. / 1043 g.
Flight Time	20+ minutes
Power Supply	1x 4S Li-Po Battery
Max Horizontal Speed	45 mph / 20 m/s
Radio Defined Operational Radius Telemetry Radio (Full C2 Link)	1 mi / 1.6 km
Radio Defined Operational Radius Drone Mesh Radio (Limited C2 Link)	4 mi / 6.4 km
Max Altitude	1000 ft / 305 m
Max Wind	30 mph
Mission Controller Software	ArduCopter
Autonomous Mission Planning	ArduPilot Mission Planner
Obstacle Detection (Optional)	Radar / LIDAR TOF
FPV Camera (Optional)	Kairos Manufactured and COTS options available

Ordering Information



Kairos Autonomi
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KA1125-02 X-Wing Target sUAS

A RTF disposable autonomous mission only UAS

Please contact Kairos Autonomi for pricing and order requests

Visit <https://kairos82nd.com> for more details on UxV/35™

Batteries are not included

Version History

Date and Signature	Revisions	Reasons for Revision
08/23/2024 Jack R.	Document was written. (v01.00.00)	
08/27/2024 Jack R.	Document was updated. (v01.01.00)	Modified definition of Operational Radius' to Better define range and capabilities
08/30/2024 Jack R.	Document was updated. (v01.02.00)	Revision to Key features and formatting changes