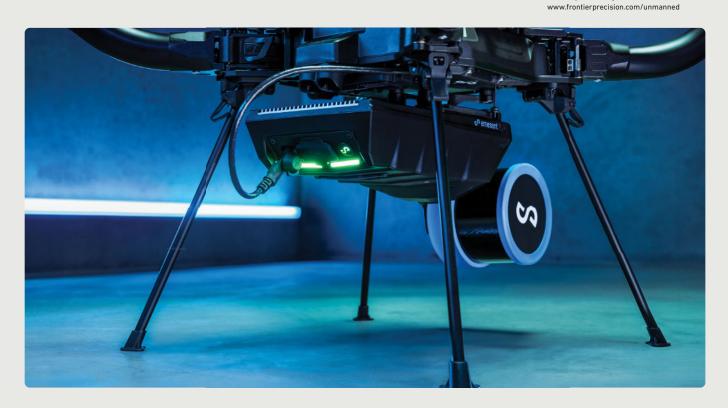
# Hovermap integration with Freefly Astro







Hovermap ST-X now supports the US built Freefly Astro, giving clients a new option for airborne survey missions and delivering advanced GPS denied autonomy and high accuracy SLAM-based mapping capabilities to Freefly's latest platform.

This reliable, robust and compact drone offers extended flight duration and continuous long range scanning capabilities, complemented by intelligent features that make it well-equipped to deliver against almost any challenge encountered in above or below ground operations.

## Astro features

- Long range data link (20 km FCC 12 km CF)
- 18-25-minute flight time with Hovermap ST-X
- Quick release mounting system
- Smart batteries with 500 cycles guaranteed and inbuilt health monitoring system
- Folding landing gear
- Weather sealed (tested to IP43)
- Advanced Pilot Pro controller with large screen, customizable views and 100% uptime

## Solutions benefits

- A US manufactured industrial grade platform (NDAA compliant drone)
- Compact, workhorse drone with intelligent features including intuitive flight controller
- Maximize coverage in a single scan with up to a 25-minute flight time (when carrying payload)
- RTK built in
- Integrated Long range radio allowing up to 2km line of sight flight
- Fly longer with confidence with the assurance of long life smart batteries
- Improve efficiency with continuous autonomous scanning over large areas with safe GPS-denied flight while still maintaining connectivity, no need to relocate equipment multiple times or merge multiple scans

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## System Requirements

Integration with Freefly Astro is supported by Hovermap ST-X

## Astro specifications

- Unfolded diameter (without props): 917 mm
- Unfolded diameter (including props): n1407 mm
- Unfolded height: 359 mm
- Folded diameter: 508 mm
- Folded height: 178 mm

## Astro specifications:

- Type: Freefly Super Light Batteries (SL8-Air)
- Weight (per battery): 1035 g
- Charger: Freefly SL8 Fast Charger

## Flight controller:

- Flight controller hardware: Freefly Custom Designed Skynode
  Flight controller software: Auterion Enterprise PX4 (custom for Astro)
  Mission control software: Auterion Mission Control
- Connectivity: BLE, Wifi, USB C, LTE (North America)
- Supported GNSS: L1/L2 GPS, GLONASS, Beidou and Galileo bands

## Payloads and weight:

• Maximum gross for takeoff: 6,665 g (conditional on altitude)

## Miscellaneous:

- Operating temperatures: -10 to 45C
- Ingress protection: Tested to IP43

