

Hovermap integration with Freefly Astro



FRONTIER PRECISION
UNMANNED
uas@frontierprecision.com
www.frontierprecision.com/unmanned



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

Solutions benefits

- A US manufactured industrial grade platform (NDAA compliant drone)
- Maximize coverage in a single scan with up to a 25-minute flight time (when carrying payload)
- Integrated Long range radio allowing up to 2km line of sight flight
- 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
- Compact, workhorse drone with intelligent features including intuitive flight controller
- RTK built in
- Fly longer with confidence with the assurance of long life smart batteries

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System Requirements

Integration with Freefly Astro is supported by Hovermap ST-X

Astro specifications

Dimensions:

- Unfolded diameter (without props): 917 mm
- Unfolded diameter (including props): 1407 mm
- Unfolded height: 359 mm
- Folded diameter: 508 mm
- Folded height: 178 mm

Astro specifications:

- Type: Freefly Super Light Batteries (SL8-Air)
- Capacity (SL8-Air): 157Wh
- 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 radios: Freefly Pilot Pro with Herelink
- 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

Scan for more
information

