

Skynav



Tailored to the needs of operators, this rugged light-weight handheld ground controller is NDAA compliant and controls all UAS' running Auterion Enterprise PX4 or communicate over MAVLink.

Simple, user friendly, tough

Skynav is a government-ready handcontroller that makes it easy to manage autonomous flights, live video streaming, and data collection.

Its operator-friendly design reduces the controls and data needed for mission planning and deployment. A ruggedized, IP65 rating, and water-resistant design makes Skynav the ideal controller to accommodate any mission.

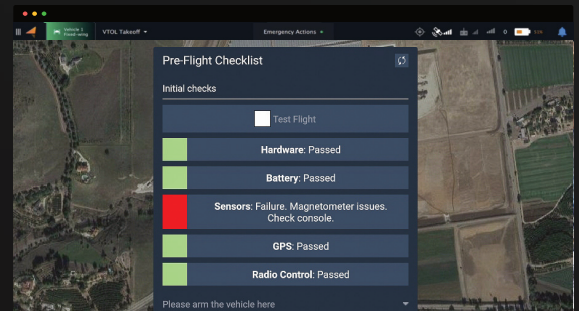
Benefits:

- **Scalable control**
Use a single controller for any Group 1 and Group 2 UAS communicating over MAVLink. Control quads, multi-rotors, VTOLs, and fixed-wing as well as unmanned ground vehicles.
- **Reduced cognitive overhead**
Skynav is made for operators, not engineers, as the primary user. See only the controls and data that you need, to safely pilot your payload.
- **Based on open source**
Rely on a stable open source software base using widely adopted industry standards.
- **Flexible connectivity**
Skynav supports three different radio transceivers (Microhard, Silvus, Persistent Systems) and has built-in LTE (optional).

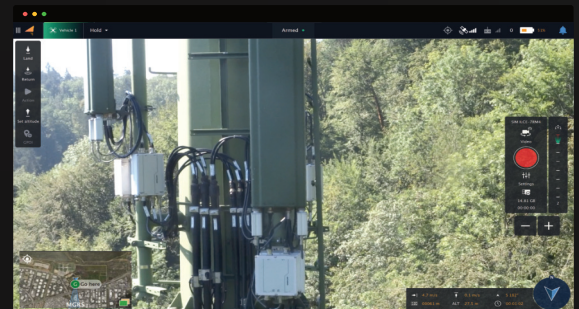
Plan, execute, and analyze on Skynav with Auterion Mission Control



Waypoints, surveying areas, 3D view for confident planning



Pre-flight checklist, continuous logs for complete safety



Efficient execution with payload controls and ATAK integration

Main Features

Hardware features

- 1 Fly manually *
- 2 RF antennas
- 3 Supports Microhard, Silvus, Persistent Systems transceivers
- 4 Ethernet port (ODU)
- 5 Stylus pen
- 6 Camera control *
- 7 Gimbal control *
- 8 USB A ports
- 9 IP65, dust and water-resistant
Hot swappable battery
- 11 -30 °C to +49 °C temp. range

Software features

- 12 Multi-vehicle control
- 13 Live video streaming
- 14 Launch and control automatic flight paths

* Optional accessories available



Specifications

Durability

IP65 rating (dust and water-resistant)
MIL-STD-810G (vibration, drop, temperature, max. altitude)

Battery

4 hours battery life ¹
8 hours battery life option
User-replaceable
Hot swappable with internal battery holdover

Hardware

FZ-M1 Panasonic Toughpad
256 GB SSD
8 GB RAM
Covered front camera
USB A and Ethernet (ODU)

Connectivity

Microhard pMDDL2450, pDDL1800 ², or pMDDL1621 ³
Silvus Streamcaster 4200 ⁴
Persistent Systems MPU5 ^{3,4}
Built-in LTE (optional)

Environmental

-30 °C to +49 °C temp. range
15,000 ft (4,572 m) max. altitude

Physical

Size: 11 in x 5.5 in x 2 in
Weight: 2.5 lb

¹ With external radio. Battery life might vary with built-in radio, depending on the configuration.

² Not FCC certified

³ Coming soon

⁴ Integrated via Ethernet



Scan the code to explore more software features in our video (Mission planning, Load prepared mission plan, Photo gallery, Prepare post mission analysis)

