

# Visionair GCS Software

## Overview



- Intuitive and reliable
- All-in-one tool
- Enhanced Situational Awareness
- Advanced Flight Plan Editor
- Integrated Transponder IN&OUT For ATC Monitoring
- Flexible and Customizable

Visionair is the all-in-one UAV Navigation's standard Ground Control Station (GCS) software for configuring, planning and executing UAV missions.

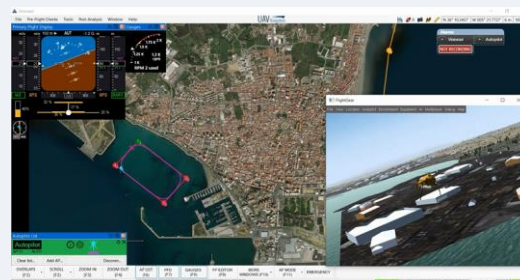
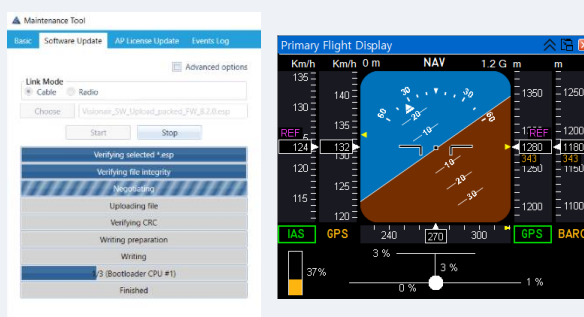
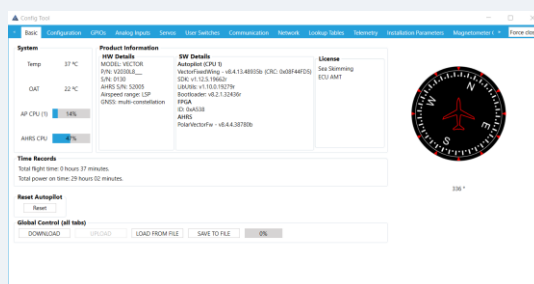
### Configuration:

Visionair Configuration Tools is the configuration utility provided by UAV Navigation in order to configure autopilots and AHRS-INS units.

### Operation:

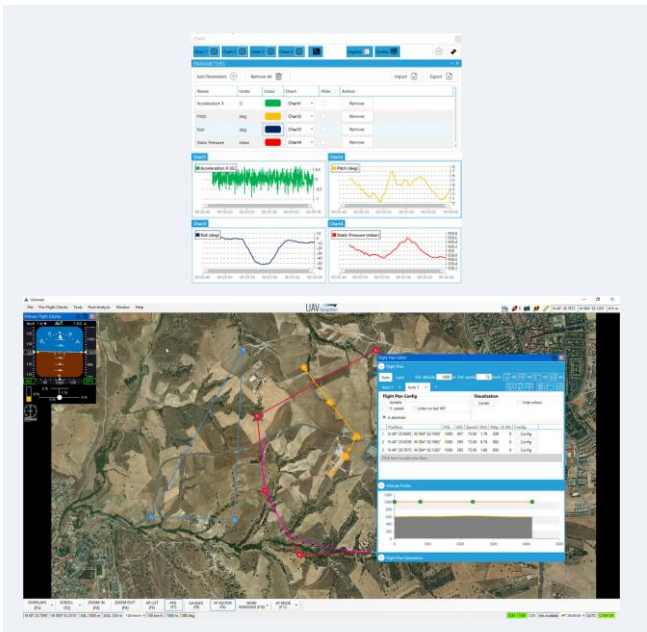
Visionair is UAV Navigation's standard Ground Control Station (GCS) software for planning and executing UAV missions. It is compatible with all UAV Navigation autopilots.

- ✔ Mission-oriented interface.
- ✔ UAV mission planning and execution application, with GUI.
- ✔ Compatible with all kinds of digital mapping.
- ✔ Platform: PC/laptop Windows 10.
- ✔ Advanced Flight Plan Editor:
  - ✔ Multiple Flight Plans.
  - ✔ Alternative Landing Sites.
  - ✔ Automatic Actions on Waypoints.
  - ✔ Autogrid Flight Plan Generator.
  - ✔ Edition and Modification during the operation.
- ✔ Referenced Navigation.
- ✔ Predictive Paths.
- ✔ Sense and Avoidance (ACAS I).
- ✔ Sea-Skimming.
- ✔ 3D synthetic video representation in Flight Gear.
- ✔ Flight Plan export to Google Earth for visualization purposes.
- ✔ Advanced Primary Flight Display.



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## Operation:



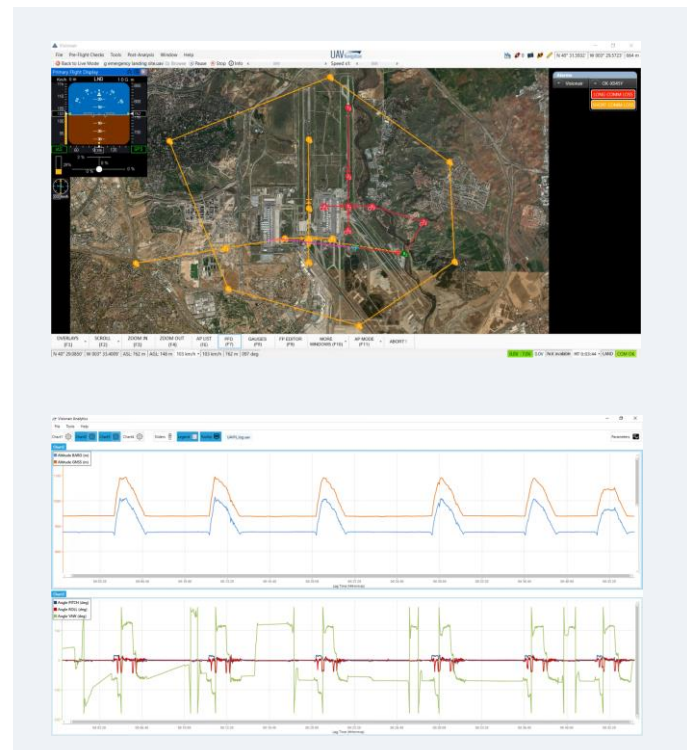
## Post-Analysis:

**Visionair Analytics** is the official software application provided to customers in order to **analyze telemetry** data from the UAV Navigation Flight Control Solution.

Additionally, **Visionair allows the reproduction of the log file**, which contains the exact visual data that was seen by the flight operator. That allows for the detailed investigation of the mission, which may be performed by using this tool.

- ✓ Easy telemetry visualization thanks to the user-friendly interface.
- ✓ Representation of complex mathematical operations between flight data variables.
- ✓ Interactive graphs.
- ✓ Configure your interface and save it for future use.
- ✓ Multiple parameter representation.
- ✓ Multiple tools for a deep post-analysis.
- ✓ Create notes.
- ✓ Customizable.

- ✓ Visionair Charts for real time telemetry visualization.
- ✓ Integrated payload control:
  - ✓ Camera Control Modes such as Camera Guided.
  - ✓ DGPS configuration to enhance accuracy.
  - ✓ Transponder ADS-B In & Out Control and Configuration (e.g. SageTech).
  - ✓ Visionair is compatible with RTK systems.
- ✓ Multi-UAV Operations.
- ✓ Connect two or more GCS, each running Visionair, to control or monitor a single UAV flight.
- ✓ Visionair can output the GPS track of a platform's position in NMEA format.
- ✓ Waypoints: 400 max.
- ✓ Full DEM support.
- ✓ Rulers.
- ✓ Configurable alarms, gauges and tags.
- ✓ Fly/No-fly Zones.
- ✓ Feedback Monitoring for PWM Servos.



A **Software Development Kit (SDK)** version is available for developers wanting to modified or create their own application.