

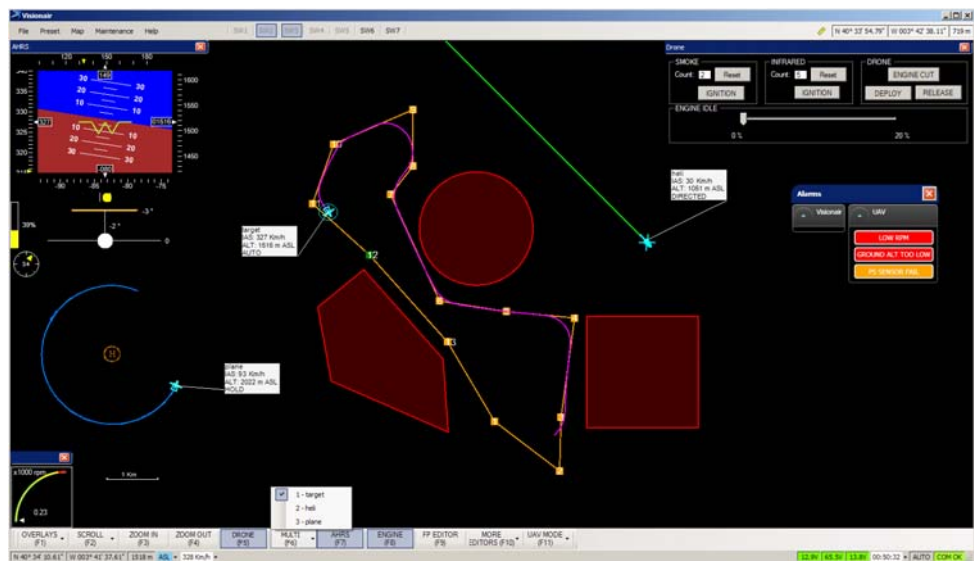
VISIONAIR - The ground control station software partner

VISIONAIR is the perfect software partner for GTRACK ground data terminal and APO4 autopilot system. It is a reliable and thoroughly tested software application that offers an intuitive and friendly graphic user interface.



VISIONAIR - Key features

- Multi UAV management with UAV-type automatic detection**
 Command and control multiple UAV's at the same time with just one GTRACK GDT. The operator can command the active UAV while observing the other ones. With a simple click, the active UAV can be changed.
- Records and plays video and data synchronously**
 To give the maximum information of the mission, Visionair synchronizes the recording of data and video to optimize the post flight analysis.
- Reliable, mature and combat proved**
 The best warranty of the quality of Visionair is its experience on the field. It has been proven successfully in a wide range of missions.
- Intelligent alarms management**
 Visionair implements a new alarm management system, which automatically analyzes the UAV mode and its environment to decide if certain sensor readings are reason to launch the alarm or not. Audible alarms are implemented.
- Mission oriented**
 Visionair provides video and vehicle location displayed in high resolution terrain elevation maps. Supplementary information like attitude and engine parameters can be displayed.
- Point and click operation**
 Visionair is the most intuitive product of its category, enabling anyone to be in command of a UAV in a matter of minutes, with no specific computer training and/or programming skills.
- Network data broadcast and network remote control of the UAV**
 Client/Server option for remote UAV monitoring or control through TCP/IP connection for remote broadcast and control of the mission.



VISIONAIR - Main characteristics

- Multiple map format: BMP, JPEG, GIF, TIFF, PNG, GEOTIFF, ...
- Multiple coordinate types: Lat/Lon in multiple formats, UTM, MGRS, ...
- Multiple DEM formats: USGS DEM, .dem.gz, BIL, TIFF, DTED, SRTM, ...
- On the fly mission update
- Multiple UAV modes: automatic, hold, directed, fly to, take off, land, manual, sea skimming, ...
- Multiple camera modes: air, ground, geo, pilot view, stow, offset, rate, ...
- User friendly camera control with gamepad interface
- Works with any video capture device that works in Windows XP/Vista
- Fly/No fly zones editor: prevent the violation of reserved or restringed airspace
- Target editor: identify your targets and tag them
- GCS radio coverage: with the DEM terrain model Visionair can detect the area of radio hcoverage based on the terrain orography.
- User customizable interface
- Supports DGPS: increase the accuracy of your GPS system
- NMEA output: connect to any software ready to accept GPS signal

