

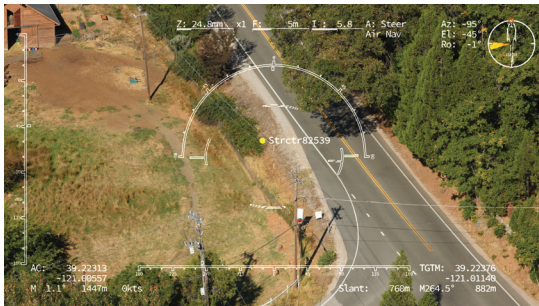
GEOPRO Inertial Navigation™

The GeoPro Inertial Navigation™ System is an extremely capable and flexible geo-referencing system that goes well beyond an INS by combining inertial navigation with a graphics overlay and interface system. Designed exclusively internally by GSS engineers, this system is fully customizable to meet the unique needs of various industries and missions.

▶ SYSTEM FEATURES

- Unsurpassed flexibility and accuracy that can be adapted to a number of applications
- Open platform system supports industry-specific customization
- Capable of producing Telemetry or Meta-Data/streamed Geo Data output
- Independent, real-time graphic overlay on HD video

▶ GEO-REFERENCED 'WAYPOINTS'



Custom geo-referenced 'waypoints' create an overlay when the waypoint is in view of the camera.

System can be pre-loaded with latitude/longitude of specific targets along with a designator for each one.

When target is in FOV, the designator will appear on the target and stay there until the target is no longer in frame.

▶ FUNCTIONALITY



RECORD

High Update Rate

.CVS file to external hard drive

STREAM

Custom Ethernet Protocol

Third Party Software

OUTPUT DATA includes but not limited to:

- Aircraft position (Lat, Long, Alt)
- Aircraft heading
- Ground Speed
- Distance to the ground in the center of the lens
- Target position (Lat, Long, Alt) or the ground at center of the FOV if a specific target is not designated
- Latitude and Longitude of the four corners of the FOV laid on the ground
- Lens information (FIZ)
- Gimbal angles information
- Heading from the gimbal to target