Precision Landing
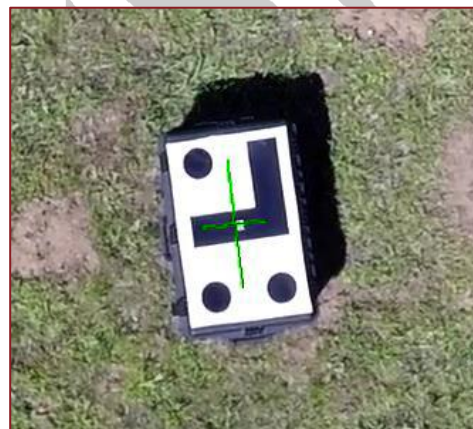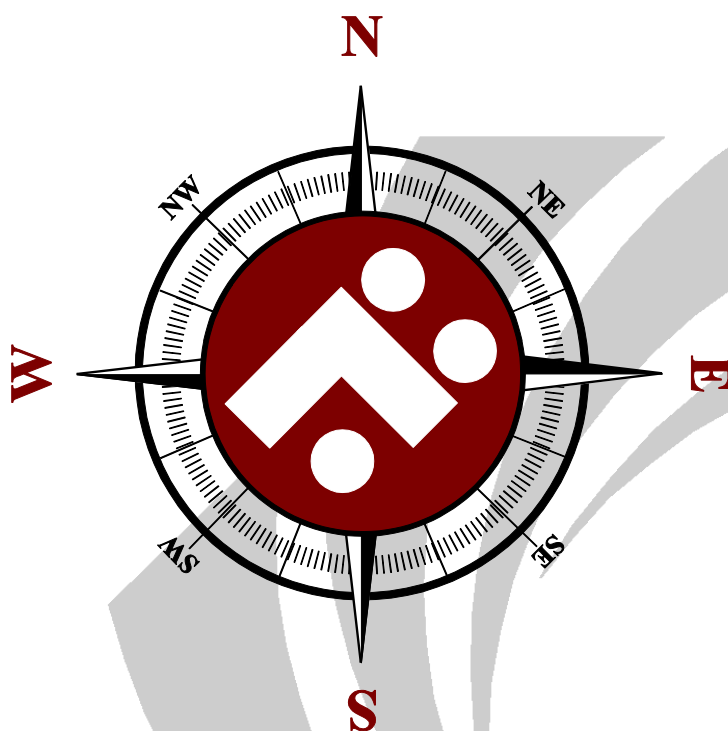
Video Based Precision Landing

The Precision Landing function supports auto-landing operations by automatically finding and tracking an easy to place landing pattern. It provides pattern position, range, and angle.

- Independent of GPS, enables accurate landing in GPS degraded or denied environments.

- Range and angle estimate replaces expensive laser based ranging systems. Inherently eye safe.

- Scalable landing pattern supports landing operations over a wide variety of ranges and approach angles.

- Autopilot Support:

  - Natively supported by MicroPilot autopilots

  - PixHawk (PX4 and APM) integrations complete SightLine ARM sample code provided

  - Support for use with other autopilots in work

- Runs on the **1500-OEM** and **3000-OEM** video processors.

- Powerful addition to the full set of SightLine video processing functions.

Landing Pattern

The Precision Landing pattern can be scaled and used in the field in multiple landing situations. Scalable landing patterns are available in various formats for download at SightLineApplications.com.

Landing Pattern Example