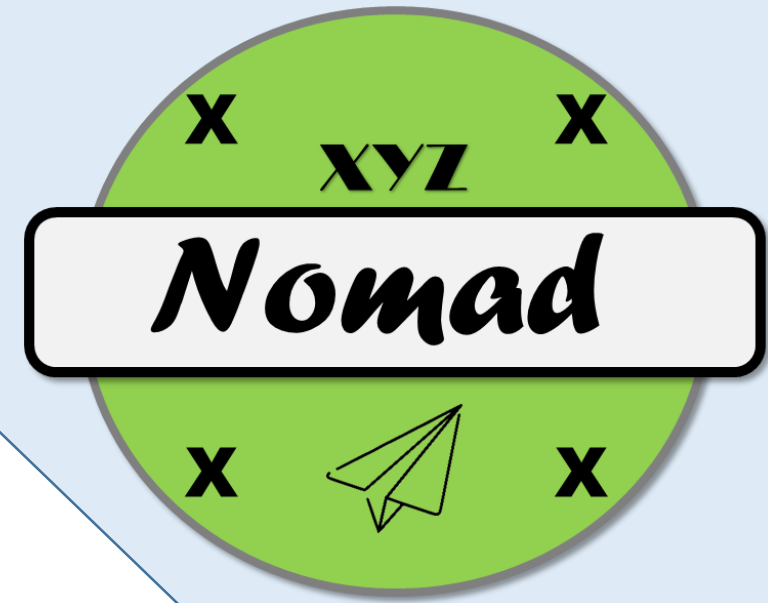




Control Software Summary



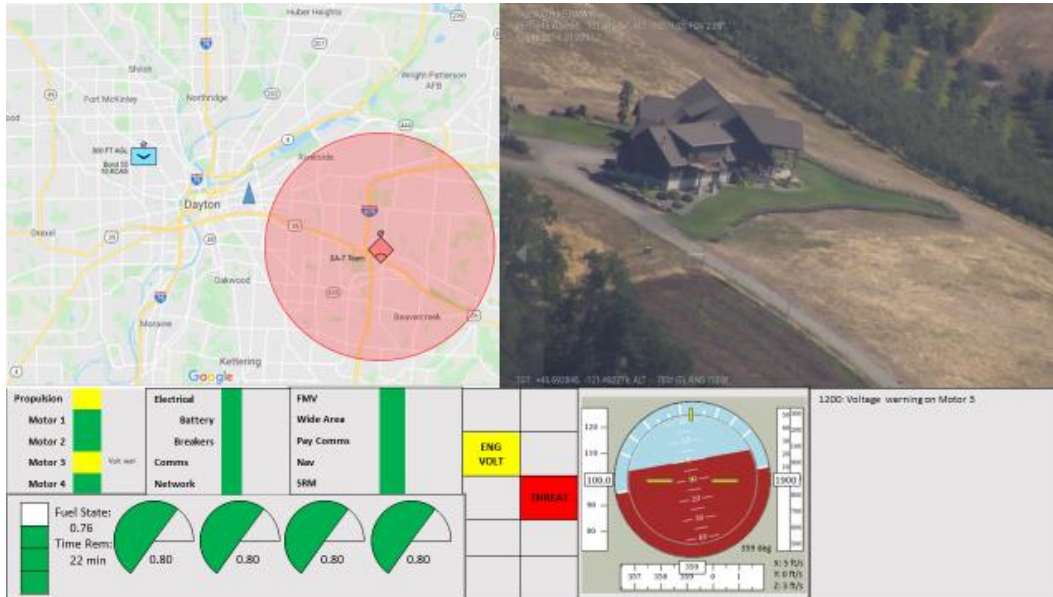


Overview



- Pilot Interface
 - Overview
 - Interface Overview
 - Primary Flight Display
 - Hand Controls
- Mission Control
 - Common Operating Picture
 - System Status
 - Sensor Control

Pilot Interface Overview

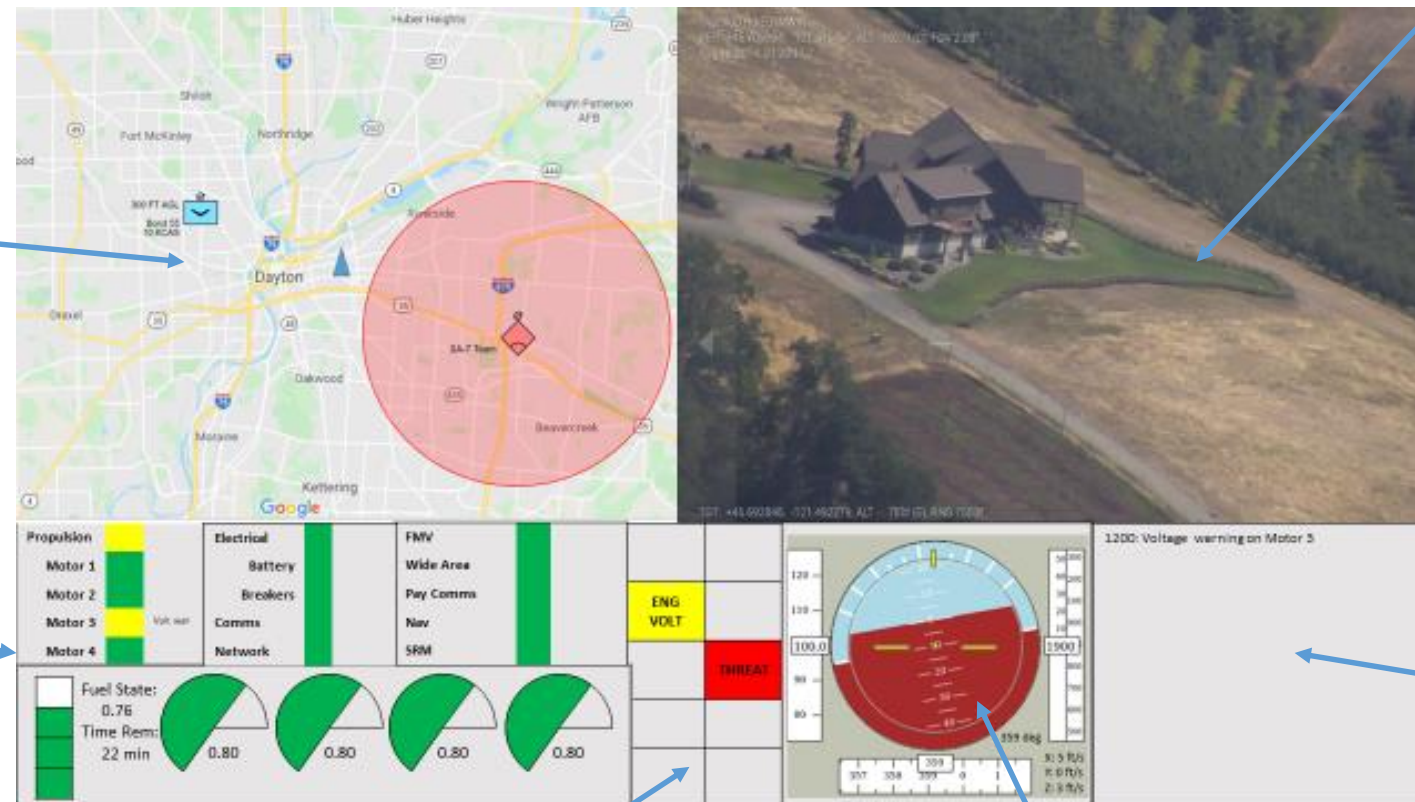


- Pilot interface executed from laptop
- Controls all vehicle functions, including payloads



- Primary pilot controls via COTS controller

For Instructional Use Only



Map Display

FMV / Imagery Display

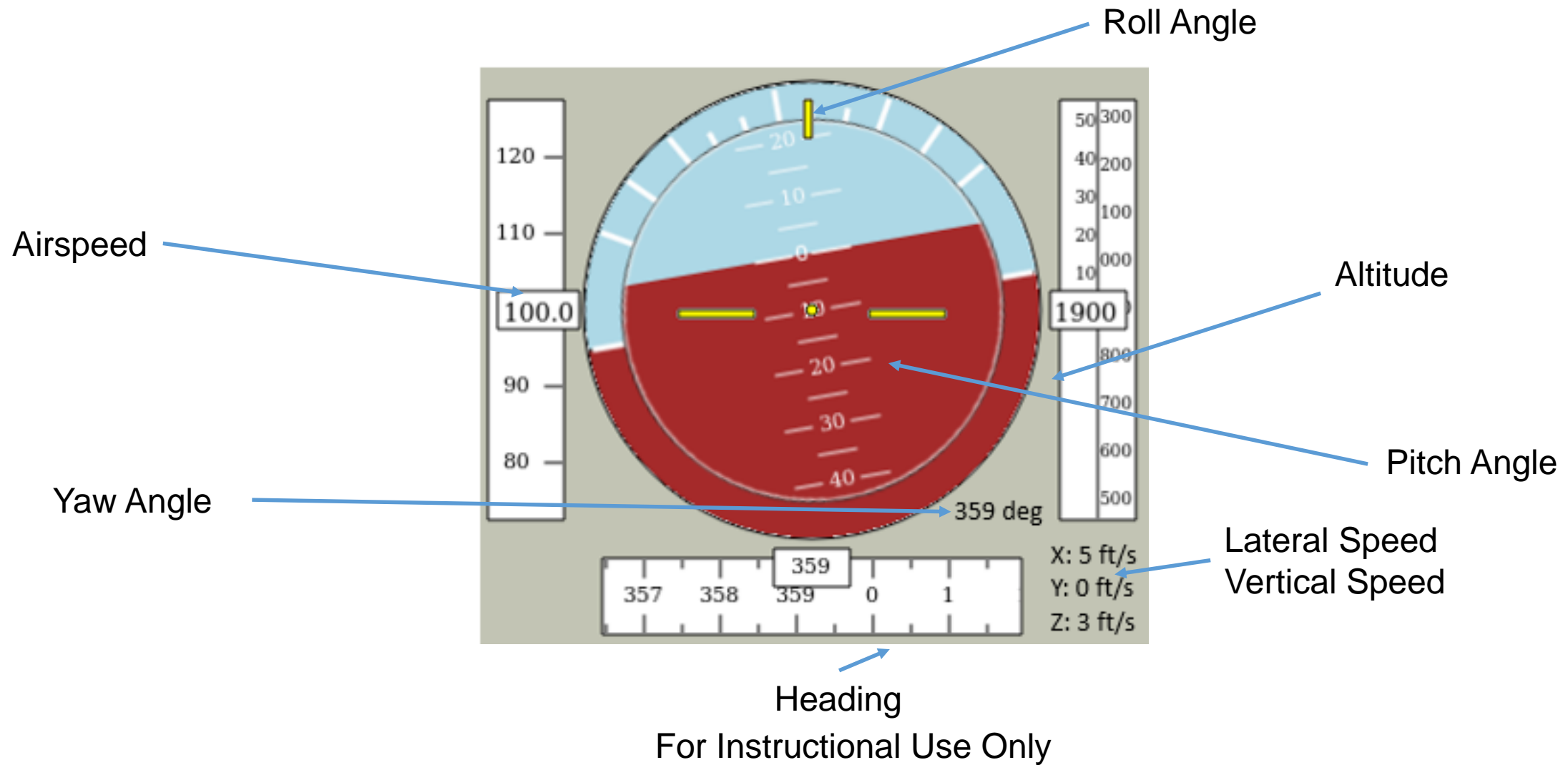
Health Monitor

Message Center

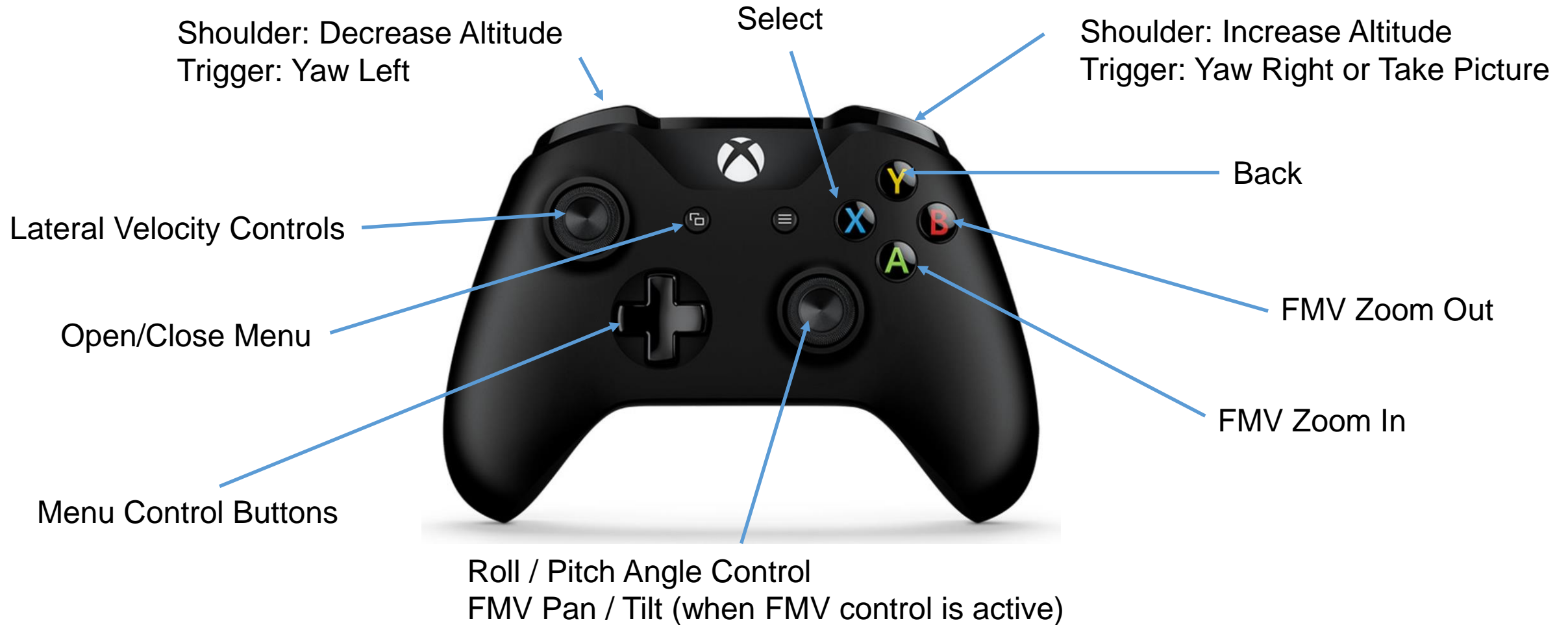
Cautions and Warnings

Primary Flight Display

Primary Flight Display



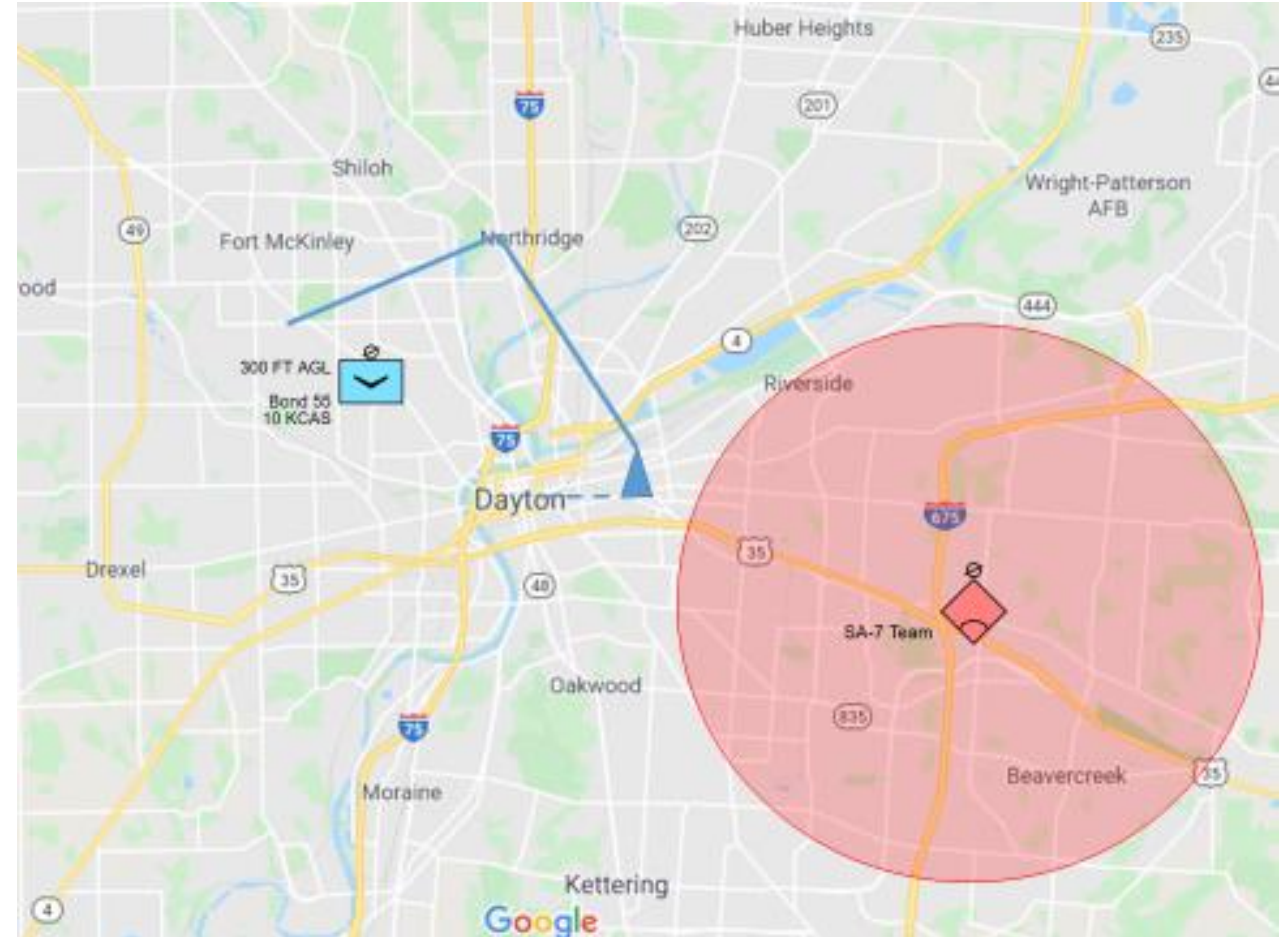
Hand Controls



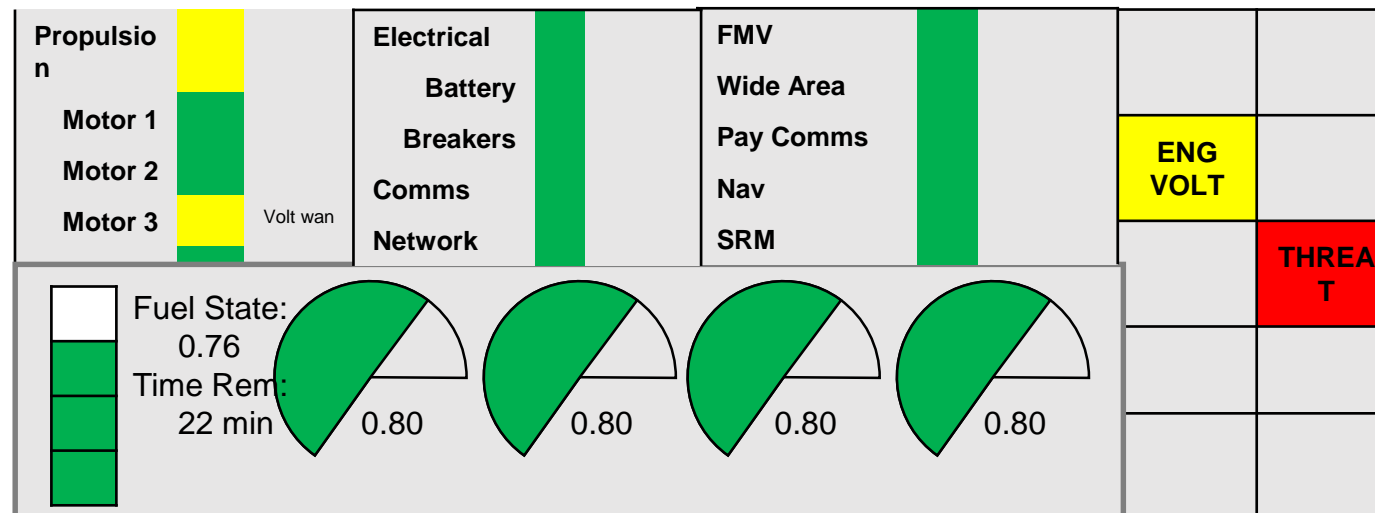
For Instructional Use Only

Common Operating Picture

- Integrated map display and route planner
- Map
 - Weather data
 - Threat data
 - Blue Force data
 - Available data will depend on external connections or organic sensors
- Route Planner enables creation / management of autopilot routes
 - Can be externally built or locally built
 - Intuitive interface
 - Right click to add waypoint on cursor
 - Select a waypoint to edit



- Health status shows the status of all system components
 - Each component can be turned on or off
 - Some can be reset or commanded to execute built-in-test
- Page can also be used to adjust communications settings



For Instructional Use Only

Sensor Controls

- FMV
 - Controlled via primary controller
 - Simply push in Button 3 to enable control, then right stick pans and tilts camera
 - Zoom is executed via A and B buttons
 - The right trigger can be used to take a still image when the FMV control is enabled
- Wide Area
 - Wide Area images are commanded via the menu
 - Pictures can be taken manually or automatically

