Control Station Configuration

Cloud Cap Technologies Piccolo autopilot and ground station are used for the flight control of the SuperBat. A laptop PC with a moving map display shows the aircraft's location, speed, and height in real time and allows the operator to fly the UAV using simple mission commands. System monitoring windows are used to keep track of the Bat's critical systems and a live video capture window with optional video stabilization and object tracking capabilities. The flight path is specified as a series of mission legs, each with its own altitude, speed, and waypoint. The operator can change the mission plan by "dragging and dropping" waypoints over the map display and then uploading the new flight plan to the aircraft. The MLB Super-Bat systems are contained in an environmentally protected enclosure (trailer) for portability.