

ViewPoint gimbal user interface

ViewPoint is an advanced ground based control software application that displays video and command/control for Cloud Cap Technology gimbals.



Key Features

Click map or video to autonomously point gimbal at specific GPS location on the ground

Interactive map displays location and gimbal sensor footprint on ground. Satellite, streets and maps, or any user supplied map supported.

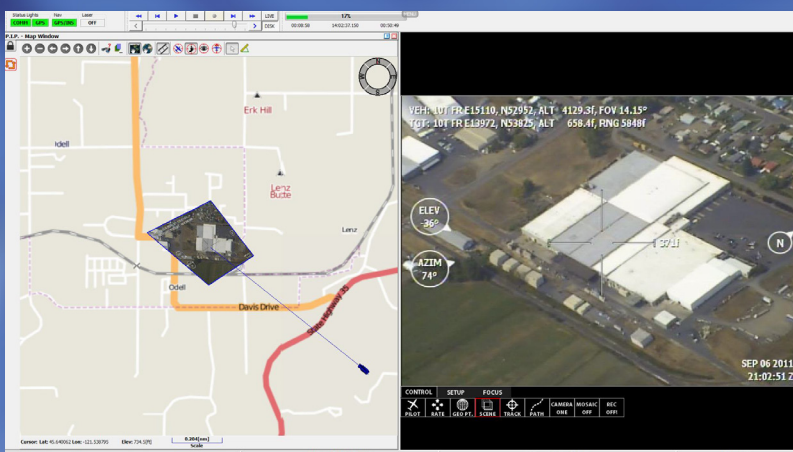
NTSC or PAL recording. Playback includes video, GPS time, plus gimbal and sensor footprint GPS locations

Analog NTSC or PAL video supported

Create video file (AVI output) from recorded files

Supports CCT plug-ins and 3rd party plug-in architecture

Supports IP connection and web serving using MJPEG compression



feature rich software

PathTrack autonomously points the gimbal toward pre-loaded GPS coordinates along a path. Path-Track auto-detects aircraft heading and picks up the path for tracking

Real Time Image Mosaic The increased information provided by mosaicing displayed in real-time on the gimbal interface provides a real advantage to the payload operator, showing path history and a wider situational awareness FOV when zooming in on an object.

Geo-Stamp allows the operator to designate areas of interest by simply pressing a key or touching the screen. The incident is tagged on a map, a still image is taken and the location is logged in a separate incident folder. This feature is invaluable when a still-image of an object/feature is needed for later reference. The captured still-image can be overlaid on Google Earth, and/or used for a variety of purposes.

Video On Map Live video geo-located and terrain warped over moving map. This feature greatly enhances the operators ability to identify the exact location of the object or feature the camera image is looking at.

Object Tracking The TASE gimbal will autonomously track a selected objects such as people, cars, trucks or other objects moving in the scene based on image match within a user adjustable target box.

Additional Applications

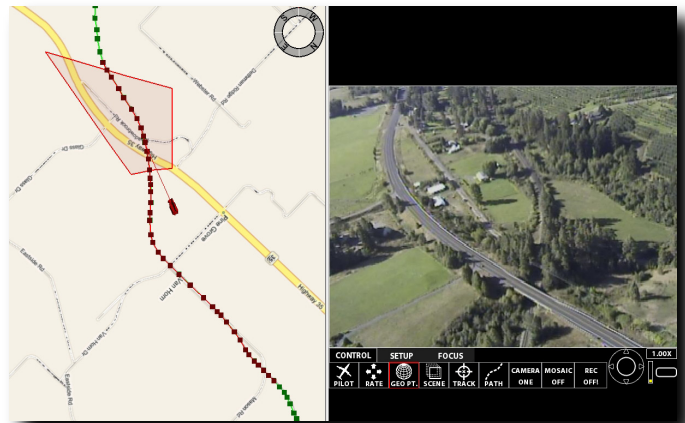
Electronic Stabilization (E-Stab) PC-based image stabilization enhances mechanical gyro stabilization

Scene Steering (Includes E-Stab) PC-based scene tracking centers image and corrects for vehicle airspeed

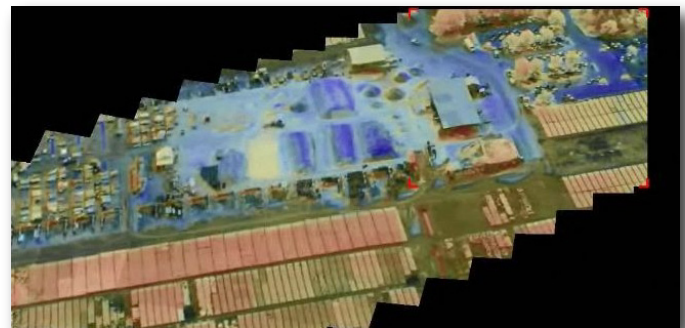
Plugins

VideoSim Plugin Provides training , demonstration, testing and development suport

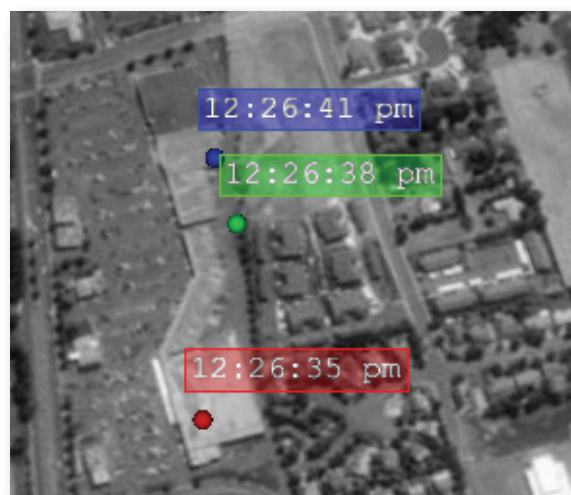
Antenna Plugin Provides an integrated solution to either Piccolo Command Center (PCC) or the gimbal user interface (ViewPoint) for control of a third party positioner



ViewPoint with PathTrack Feature and map overlay



Imaging mosaicing for wide area situational awareness



Map overlay with Geo-Stamp locations