

PROTEUS[®]

Sensor Control for Manned Aircraft

THE POWER OF COOPERATIVE SOLUTIONS[®]



PROxyTEchnologies Unmanned Software

Ability to command, control and manage multiple sensors from a single Ground Control Station (GCS)

Operating Principle: A Virtual Air Controller (VAC) hardware/software system automatically plans the navigation path to optimize the sensor's functionality based on the sensors capabilities and limitations. This sensor centric approach enables the GCS Operator to concentrate on the sensor data and on controlling the sensor functions such as zooming, cross-queuing, etc. The VAC system directs the flight path of the aircraft. A monitor in the cockpit would display the recommended flight path to the pilot.

Operational Benefits:

- Offers the option to employ the sensor's hand controller from a ground based station thus reducing personnel in the aircraft
- As an option, Payload control (e.g. zoom, gain, etc.) can be fully integrated into PROTEUS[®] Products
- Allows single Ground Control Station (GCS) Operator to manage multiple sensors from single station
- Navigation optimized for best sensor exploitation
- GCS Operator views payload data simultaneously with scanned area on map
- Automatic sensor slewing based on dynamic and evolving target data
- Allows for automatic cross-queuing of tracked objects between multiple vehicles, sharing points of interest
- Ability to "debrief" and "replay" flights to show area coverage scanned and flight paths
- Pilot monitor displays recommended flight path superimposed on maps with textual navigation cues
- Cost Savings; reduces required resources



US Patent No. 8,788,121; US Patent No. 8,874,360

Proxy Technologies, Inc.
Tel: 540-816-9001
Fax: 301-216-2852
info@proxytechnologies.com

Headquarters: 1840 Michael Faraday Drive Suite 220, Reston, VA 20190
Operations Facilities: 7940-C Airpark Road, Gaithersburg, MD 20879

www.proxytechnologies.com