

Enhanced VueStar Aerial Survey System

NavCom Technology (CA, USA) has introduced an enhanced version of VueStar aerial survey solution combining its new StarPac utility software that facilitates better integration into pre-existing workflows.

VueStar's complete global navigation system is configured specifically for all aerial survey applications and utilises the global satellite-based StarFire Network to provide precise positioning worldwide without the need for RTK base stations or GPS post processing.

This new system introduces three significant enhancements: Improved GPS signal processing, StarPac Mission software, and the optional Event Latch Interface.

The new 12-channel, dual-frequency GPS receiver computes real-time positions at up to 25 times a second, re-acquires GPS signals faster, and includes improved troposphere modelling which better compensates for changes in altitude.

Providing both pre-mission and post-mission processing, the new StarPac mission software provides critical tools for mission planning, as well as RINEX conversion, datum conversion, trajectory plotting and output of position data in a number of formats, along with a quality/figure of merit for each position.

And, the optional Event Latch Interface conditions the event signal, allowing VueStar to operate successfully with a variety of cameras and airborne sensors. This self-powered module also contains internal de-bounce circuitry to ensure proper event timing.

<https://www.gim-international.com/content/article/enhanced-vuestar-aerial-survey-system>
