OPENSIGHT

FLYSIGHT

OPENSIGHT integrated on MAG2A for improved situational awareness

A never-ending success story

OPENSIGHT, the Geospatial Solution for Processing, Exploitation and Dissemination, uses real-time information in a synthetic environment for Geospatial Situational Awareness and provides a new approach in the definition of Decision Support Systems as a component of the TMC (Tactical Mission Command). Its built-in interoperability features (STANAG and MIL-STD) allow OPENSIGHT to directly interface NATO systems.

Thanks to the collaboration between FlySight and GOMA it is now possible to exploit the full integration of OPENSIGHT features with the MAG2A EVO Mission Computer.

MAG2A EVO features:

The MAG2A EVO is a high-performance Mission Computer with 3G-SDI graphics & video capture capabilities, designed for GPGPU computing, AI processing, deep learning and H.265/H.264 encoding & decoding applications. Powered by an Intel Quad Core Xeon Processor and a Nvidia GPU driving 2x 3G-SDI outputs, 2x 3G-SDI inputs, 2x VGA independent outputs, RGB sync-on-green inputs, MAG2A leverage on a high-speed PCI Express connection allowing the video inputs to be transferred into the system memory for manipulation and/or to be recorded into the local SSD. The MAG2A EVO is qualified according to RTCA/DO-160G and compliant to MIL-STD-810/-MIL-STD-461 specifications.

GOMA
RUGGED SOLUTIONS

> *We are really proud to see, once again, OPENSIGHT integrated on a new mission computer. OPENSIGHT is proving to be the fly-wheel for the success of new mission consoles, thanks to its best-in-class features for a real cognitive enhancement*
>
> **Andrea Masini, CTO**
> **FlySight Srl**

> *We are delighted that several leading Aerospace Companies have chosen MAG2A as powerful, rugged mission computer that offers performance, flexibility and functionality to bring their situational awareness applications to leadership in class.*
>
> **Marcello Gozzo, Sales Director**
> **GOMA Elettronica Spa**

The situational awareness in the future flight

The enhancement of the human cognitive capability is what OPENSIGHT is able to offer in any situational awareness solution.
Within this integration it is possible to provide in real time:

- Augmented Reality
- Automatic target detection and classification
- Multi-sensor data fusion
- Information dissemination

About GOMA

GOMA delivers MIL-grade COTS edge computing solutions, including Mission Computers and rackmount Servers and Workstations. Engineered combining ultimate technologies and innovative design, they provide a high performance, endurance and longevity through time. As a vertically-integrated company GOMA manage every stage of the production process in-house, from technical proposal to design, production, integration, testing and environmental qualifications. Moreover, they can provide a full set of engineering services, and the project management team is available to handle the progress of specific programs.

www.gomarugged.com

About FlySight

The FlySight team provides solutions for design and development of state-of-the-art C4ISR systems (Command, Control, Computer, Communication for Intelligence Surveillance and Reconnaissance). The solutions proposed are based on AI (Artificial Intelligence) approaches exploiting the latest cognitive signal processing and adaptive data fusion algorithms. Our applications are researched and targeted for avionics, naval and underwater sectors, providing geospatial situational awareness both for the on-ground and the on-board segments.
Real time PED (Processing Exploitation and Dissemination) is allowed by the integration of our products in already exist-ing architectures thanks to the interoperability of our systems with STANAG and OGC (Open Geospatial Consortium) standards.
Moreover, the adoption of Deep Learning methodologies coupled to Augmented Reality enables the definition of disrup-tive ISTAR (Intelligence Surveillance Target Acquisition and Reconnaissance) systems.

www.flysight.it