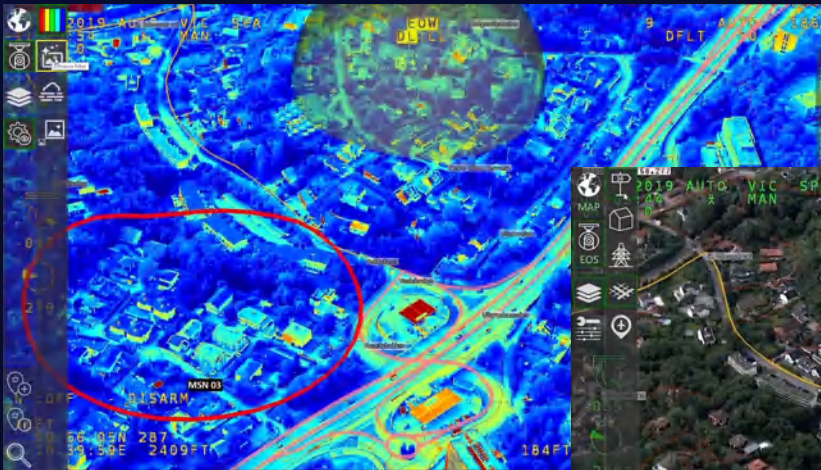# OPENSIGHT-mc | Mission Console
Enabling Augmented Reality for your airborne missions

Real-time Augmented Reality engine with Artificial Intelligence support for airborne payload operators

OPENSIGHT Mission Console is specifically designed to support payload operators in airborne scenarios, with the aim to conduct the mission more smoothly and efficiently.

An Augmented Reality engine, capable of handling multiple high-resolution video flows, improves the geospatial situational awareness of the operator by the superposition of multiple synthetic information layers.
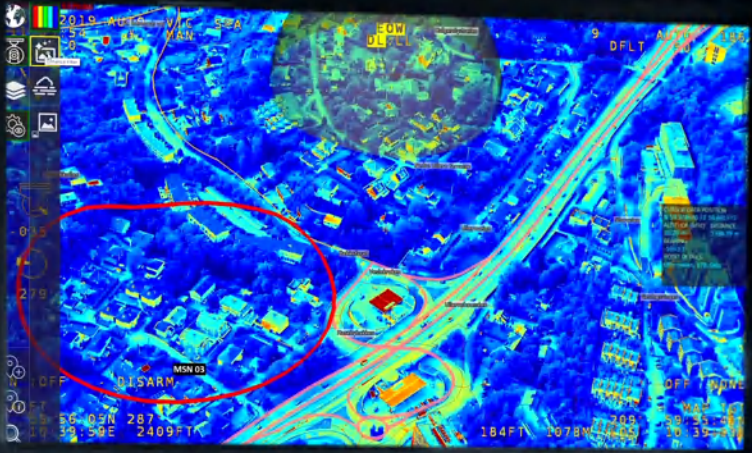
No need to switch to the moving map anymore: all the information are displayed directly over the video for a better mission effectiveness.

Real-time video processing

Augmented Reality engine

KEY FEATURES

> Video processing algorithms for image enhancement (equalization, expansion, saturation, dehazing, fog suppression, super resolution)

> Augmented Reality 3D engine for real-time vector overlay superimposition (works with custom user data)

> 3D Moving map with multiple layers support and real-time video-over-map projection

> Geodatabase functionality for direct and inverse geocoding

> Full touchscreen HMI for quick and effective interaction with the operator

> Automatic target detection and classification (artificial intelligence networks specialized for maritime and airborne threats)

BENEFITS

Provides the operator with additional information only when needed

Extensive data supports, with flexible modules to display custom proprietary data

Improved accuracy and effectiveness for the operator to coordinate missions on the ground

Allows the operator to focus on the mission, with no need to switch between map and video to relay geospatial details: all the information is now available directly on the video

OPENSIGHT-mc ———————————————— OPEN CODE

OPENSIGHT Mission Console is even more agile and faster to integrate into any mission system, thanks to the open code provided to OPENSIGHT Software Development Kit (OPENSIGHT-sdk) users.

Customers who are already using the OPENSIGHT-sdk libraries can receive the entire source code of OPENSIGHT Mission Console. This makes it even simpler to integrate OPENSIGHT-mc into their mission system, customizing and adapting it effortlessly.

The Open Code is a unique template code created by FlySight developers, carefully designed to optimize the implementation of OPENSIGHT-mc, enhancing usability and unlocking the full potential of OPENSIGHT for the entire user community.

Users can start building on an already established solution, customizing, updating, and enhancing capabilities and potentials easily and quickly

ADVANTAGES

Greater Contextual Understanding
OPENSIGHT-mc OPEN CODE provides essential contexts, simplifying the complexity of the integration work.

Support for Reproducibility
OPENSIGHT-mc OPEN CODE facilitates reproducibility, ensuring that integration processes can be easily repeated and replicated, promoting consistency and reliability.

Enhancement of Calibration Efficiency
OPENSIGHT-mc OPEN CODE simplifies the calibration process, reducing the time needed to refine settings. This efficiency accelerates progress and enables faster advancements in capability.

FLYSIGHT

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in FlySight

FlySight is certified according to
ISO 9001:2015 and EN 9100:2018 Quality management system standards.

FlySight S.r.l. is a Single-Member Company owned by Flyby S.r.l.