



OPENSIGHT

UNDERWATER OPTRONIC MAST CONSOLE



OPENSIGHT Underwater Optronic Mast Console
Bringing superior capabilities to your
optronic systems

Video processing with Augmented Reality capabilities and Artificial Intelligence support for electro-optical data exploitation

OPENSIGHT Underwater Optronicon Mast Console is the turnkey solution for electro-optical data processing. It provides specific functions that allow the crew to obtain a superior situational awareness in the operative scenario, by:

- Enhancing the quality of video flows and merging information that come from different sensors
- Reducing the crew workload through Automatic Target Recognition techniques.

The console allows also to exploit the previously acquired data with post-processing tools for superior intelligence capabilities.



3D coastline reconstruction



Automatic Target Recognition toolbox

KEY FEATURES

- Video processing algorithms for image enhancement (equalization, expansion, saturation, dehazing, fog suppression, super resolution)
- Image mosaicking both for planar or 360° acquisitions
- Augmented Reality engine for real-time vector overlay superimposition (works with custom user data)
- 3D coastline reconstruction
- Visual and infrared real-time video compensation and fusion
- Automatic target detection and classification (Artificial Intelligence networks specialized for maritime and airborne threats)

BENEFITS



Provide the operator with an improved situational awareness enhancing the image quality through different image processing tools, and by fusing the information coming from different sensors (Visible, LWIR, SWIR, IR)



Assist the operator during the target detection and identification process



Allows the post-processing of data acquired during a mission to gather new intelligence



Headquarters

Via A. Lampredi 45 - 57121, Livorno (LI) Italy

Branch Offices

Corso Ferrucci 77/9 - 10138, Torino (TO) Italy

E-MAIL info@flysight.it

PHONE (+39) 0586 505016

www.flysight.it



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.

FS-BR-OSUCX-EN-2411