

ELECTRONICS & DEFENSE



SERIES 30 SOM

SEARCH OPTRONIC MAST

- Up to 4 fully digital optronic channels
- Panoramic detection & identification
- Lightweight pod
- Stealthy features
- Easy CMS integration

SERIES 30 SOM

Search Optronic Mast

Dedicated to classic or nuclear submarines, the Series 30 SOM is the most modern and complete search optronic mast system on the market. Stealthy, it provides panoramic detection and identification for above-surface surveillance: navigation safety, intelligence gathering and combined electronic warfare/optronics self-protection.

Modular and highly reliable, the Series 30 SOM non-hull penetrating mast can simultaneously accommodate up to four advanced optronic channels and a full range of electromagnetic antenna. In addition to its advanced anti-surface search capabilities, it can function as an automatic aerial alarm, make use of a laser, receive aerial telecommunications or use an ESM electronic-warfare sensor.

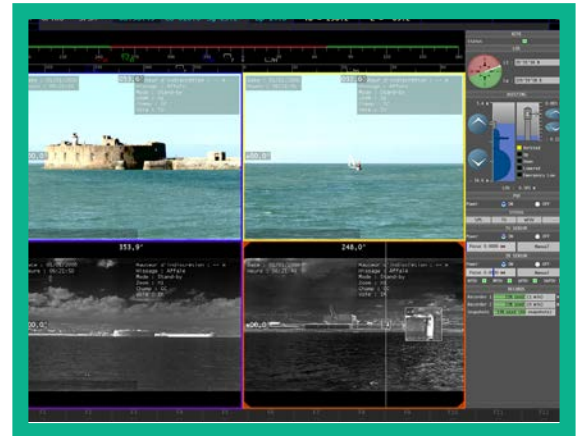
Thanks to its fully digital image and signal processing, it reduces the operator's workload. Easy to integrate on new or retrofit platforms, the Series 30 SOM is in production for French and export submarines.



Series 30 family

An Attack version of the Series 30 is also available. The Series 30 AOM (Attack Optronic Mast) is designed for optimal stealth, allowing to use all embedded sensors with maximum discretion.

- State-of-the-art optronic sensors
- Wide range of EW/COM/GPS payload
- Comprehensive above-surface detection within a single pod



Technical specifications

Optronic sensors

- 3rd generation high-definition 3-5 μm thermal imager
- True HDTV color camera
- Low Light Level TV anti-blooming camera
- Eye-safe Laser Range Finder

Operational modes

- All optronic channels available simultaneously
- Fast "Quick Look Round"
- Long-range surveillance
 - Panoramic display with multiple full resolution windows
 - Live display
- Optronic air threat Early Warning & Direction Finding
- Digital video and snapshot recording

Supported antennas

- GPS
- Early Warning ESM
- Direction Finding ESM
- Communication/AIS

Man-machine interface

- Open architecture, intuitive graphic interface
- User-configurable, support for dual screen
- Full digital display

Integration and maintenance

- Lightweight pod, no air/water cooling requirement
- Single compact cabinet including backup command and control laptop
- Comprehensive built-in test

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