

CERBERUS YACHT SONAR

UNDERWATER SAFETY & SECURITY



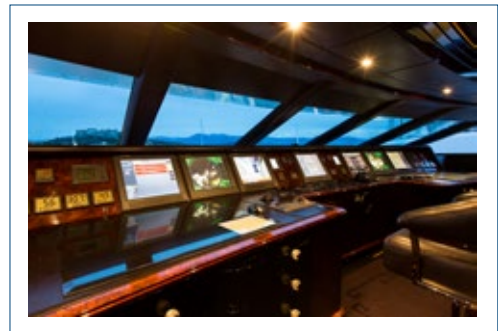
Cerberus is an active sonar which enables the continuous monitoring of underwater activity and provides a full 360° surveillance picture beneath your yacht.

GUEST SAFETY & TRACKING

- › Monitor in-water activity by tracking surface swimmers, divers and underwater vehicles
- › Establish perimeter alarms, raising alert if guests venture beyond a safe range from your yacht
- › Guest location displayed on the bridge or security office

SECURITY & SURVEILLANCE

- › Automated detection, classification and tracking of inbound threats such as divers and submersibles
- › Underwater surveillance as part of the yacht's security and layered response plan
- › Targets displayed on stand-alone system or integrated into yacht security system



TECHNOLOGY UNIQUE TO CERBERUS

Wide bandwidth frequency agility

Optimum sonar performance varies depending on target type and water conditions. By using configurable transmissions and advanced processing Cerberus achieves best in class detection performance.

Highest power to size ratio

At 208dB the sonars transmit power is the highest in its class providing maximum sonar coverage. The 23kg sonar is easily handled by the slightest crew member.

Target classification from moment of detection

capable of tracking multiple targets at any time Cerberus provides a classification from the first point of contact providing maximum time for the operator to respond. Cerberus can identify divers, swimmers and Underwater Vehicles and can also discriminate between fish, boat wakes and debris providing an extremely low false alarm rate.



DEPLOYMENT

- › Smallest and lightest diver detection sonar in class
- › Simple 'over the side' or through hull deployment
- › Easily deployed by a single crew member

OPERATION

- › Simple and intuitive control and display
- › Tracks plotted on navigation chart or exported as NMEA data
- › Automated operation with automatic alarming
- › Minimal training

INTEGRATION

- › Can be operated stand-alone or integrated into Yacht security or ECDIS system

HERITAGE

Cerberus is a diver detection sonar system with proven track record in the defence and superyacht markets.

ATLAS ELEKTRONIK UK brings over 70 years of underwater sonar expertise to the superyacht market and is widely recognised as one of the UK's leading sonar manufacturers.



WEIGHT: 23kg

TECHNICAL OVERVIEW

Cerberus Sonar Head

Physical: 0.3m(dia.) x 0.377(h), 23kg

Max Cable Length

75m

Processing Unit

3U 19" Card Frame

Power Requirement

400W RMS (1.9kW Peak), 240/115V A.C., 10A/20A

User Interface

KVM connection to integrated PC running Cerberus GUI

ARPA Interface

NMEA output: ARPA data string for each displayed target (\$STMM...)

NMEA input: Ships own heading and GPS data