

# SeaVue - Maritime Solution

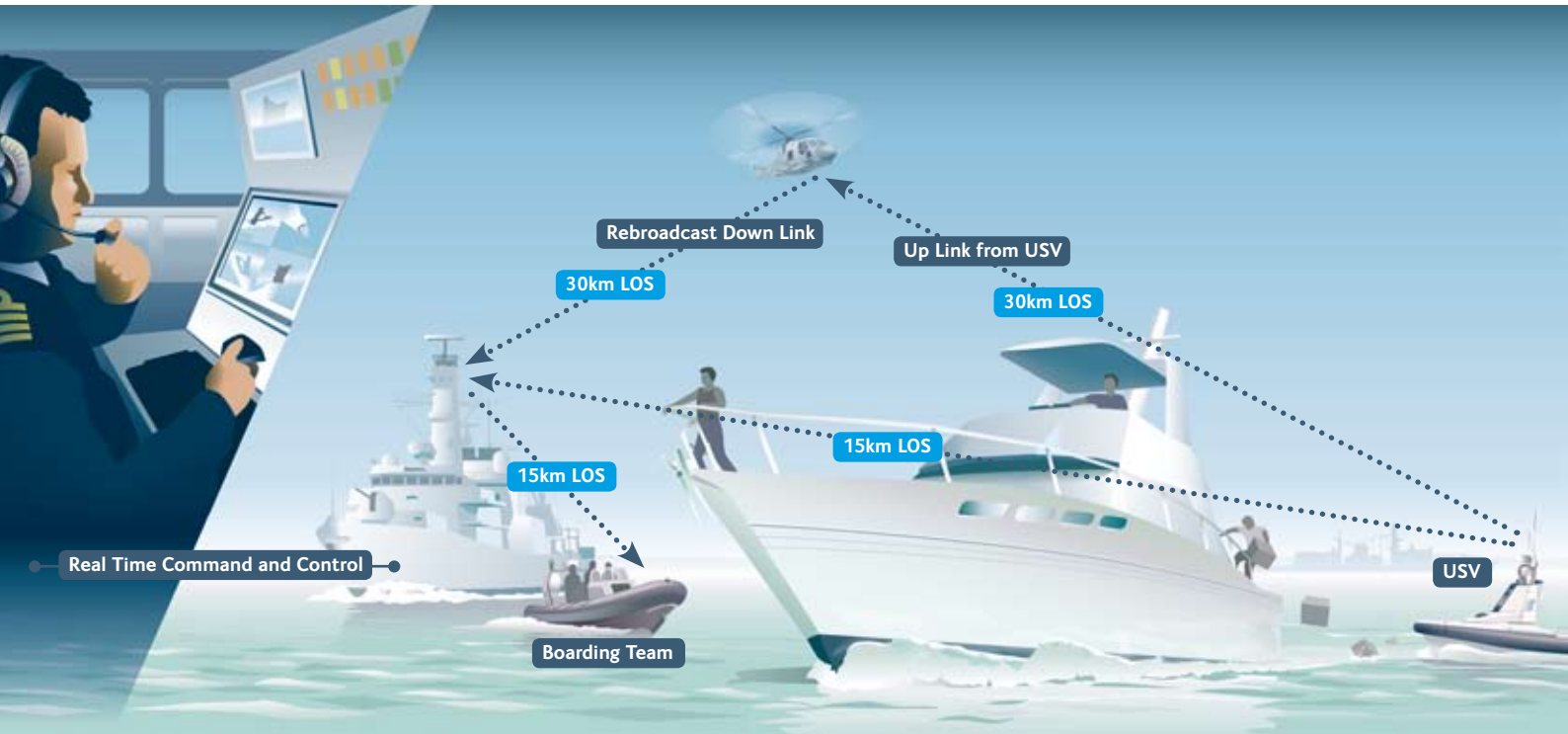
COFDM - Video, Audio Telemetry and IP Products

**COBHAM**

July 2010 Data Sheet

The most important thing we build is trust

Maritime



Cobham Surveillance have developed a COFDM digital video transmitter, with integral camera and GPS, specifically designed to provide a vital secure situational awareness system, for maritime law enforcement and other marine applications. The SeaVue transmitter offers the user several selectable modes to offset image quality against range, as each operational scenario dictates.

A typical application would allow a Rigid Inflatable Boat (RIB) to be deployed long range from a mother vessel with greatly enhanced safety. This is achieved by using the latest digital transmission technology to send live, broadcast quality video images of the RIB using the camera/transmitter mounted on the 'A' frame as well as the RIB GPS data back to the mothership.

The RIB's position, course and speed are then displayed on a dedicated display unit mounted in the wheelhouse of the mother vessel as well as being overlaid as an Automated Identification System (AIS) target on the radar.

Besides providing the mothership with a continuous update of the RIB's position and a video feed of activity, the system also closes the evidential loop as the position and track of the RIB can be recorded and reproduced in the same way as the Automatic Radar Plotting Aid (ARPA) target of the vessel in question.

Security is ensured with built-in AES128/256 encryption and the SeaVue transmitter is available in a variety of frequency bands from 300MHz to 3.5GHz. Licence exempt frequencies are available for general commercial usage.

#### Features:

- Vital maritime situational awareness
- Secure encrypted transmission
- Broadcast quality video
- Colour, low-light and thermal image camera compatibility
- Range 8km-25km+ (dependent on environment & antenna height)
- Repeater options for greater range
- Own vessel tracking.

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The SeaVue will transmit images in both line of sight (LOS) and non-line of sight (NLOS) environments. The optional input module is available for transmission of additional NMEA or IP data. Typically, ranges between 8km and 25km are available, depending on the application and available antenna position.

Supplied in a rugged, waterproof (IP67) stainless enclosure, the SeaVue system can be fitted with a variety of cameras, including full colour, low light and thermal imager.

The GPS tracking can be displayed on the video screen, proprietary plotters or as a secure AIS overlay.

The SeaVue system will benefit any user during the security of boarding operations, SAR, survey and general patrol duties where real-time information can make the difference to operational safety and capability.

IP67 SeaVue Housing



## Harbour Master / Ports



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