Datasheet

Cooled & uncooled sensor packs are available

Benefit of existing fire control platforms on a range of vessels

Customisable consoles to suit any vessel layout/space constraint

Sea Eagle FCCT

Fire Control Compact Turret System

Sea Eagle FCCT (Fire Control Compact Turret) is an advanced electro optical fire control system, optimised for deployment on small, fast vessels and the control of weapons (up to 40mm) against surface and air targets. The above decks director, having been designed specifically for the naval environment, has a mass of only 24kg.

Features

- 24 hour target identification
- Automatic slewing to search radar contact indications
- Automatic target acquisition and tracking
- Anti-air, anti-surface, naval gunfire support and indirect engagement modes
- 24 hour passive surveillance
- Automated capture of target ‘snap-shot’ images
- Designed as a stand alone system or part of ‘multi-function’ console based combat system

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System Outline

Sea Eagle FCCT uses an advanced electro-optical sensor suite to provide target acquisition, tracking and gun engagement 24 hours a day. The system boasts sophisticated image processing techniques to enhance target tracking and gun ballistic prediction.

EO Sensors

The electro-optical sensors comprise a mid-wave thermal imager, colour TV camera and high repetition laser range finder. They have been selected to provide effective target detection, acquisition, tracking and recognition within the engagement envelope of the system.

Gun Control

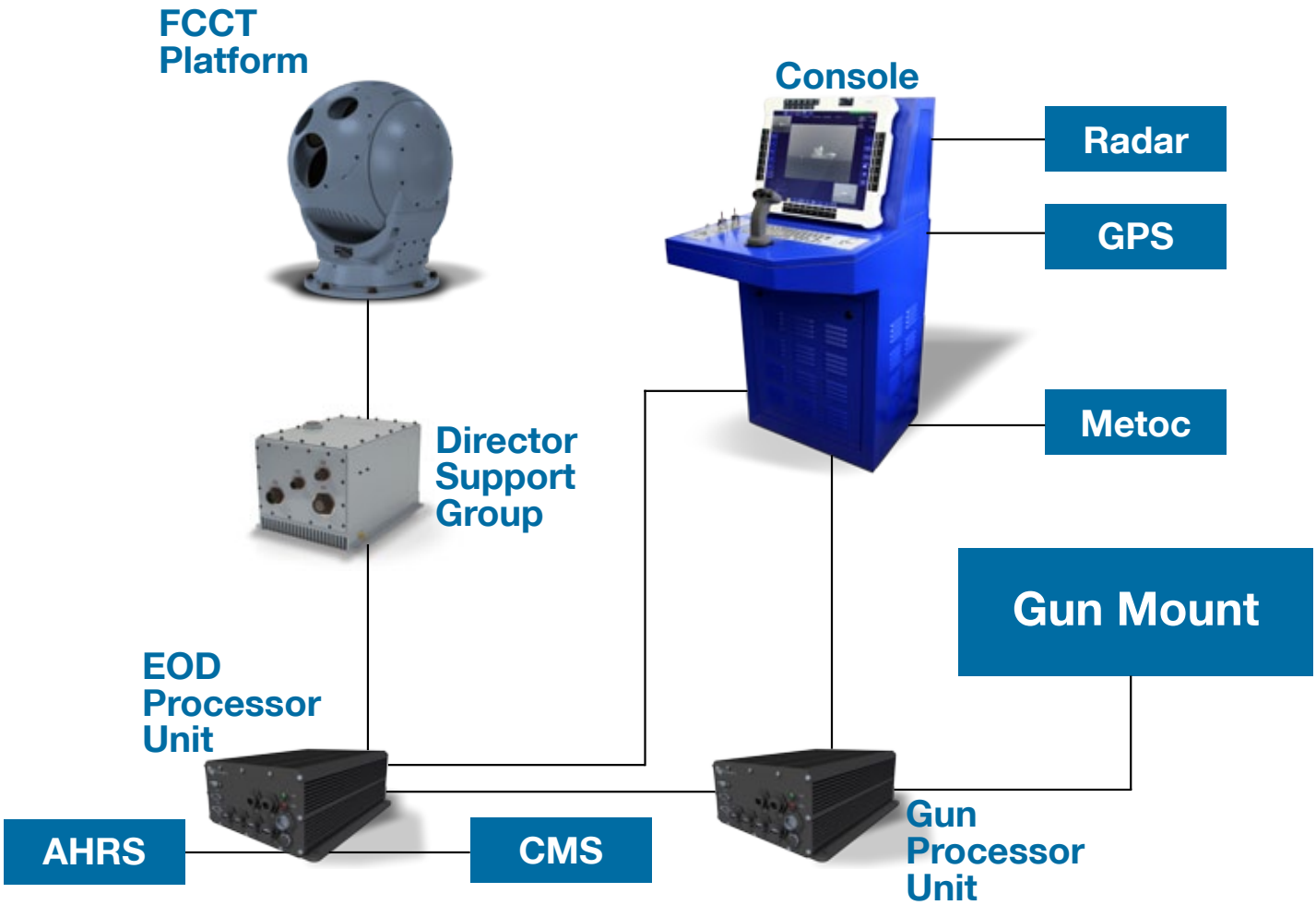
The performance of Sea Eagle FCCT has been specifically designed to match the engagement ranges of current and future naval guns in both anti-surface and anti-air modes.

EO Director

The Sea Eagle FCCT director has been optimised to meet the requirements for the precise tracking of dynamic air and surface targets in the worldwide naval environment. The director offers high acceleration and velocity to reduce acquisition times, coupled with smooth tracking under both auto tracker and line of sight gyro control to ensure engagement accuracy.

Operation

Sea Eagle systems have been designed to be controlled from either a dedicated operator's console or from a combat system's multifunction console. For dedicated applications, a range of console configurations are available to suit different vessel layout arrangements and space limitations.



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