

Technology Title: Integrated Radar, Optical Surveillance and Sighting System

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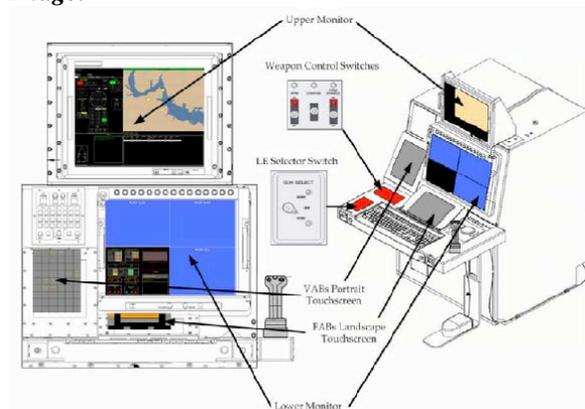
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Image:



ABSTRACT

Abstract #: Tracking, threats, targets, surveillance, security, automated, radar, sighting, console

Responding to the increasing threats to high dollar value and exposed naval equipment, the Navy developed the Integrated Radar, Optical Surveillance and Sighting System (IROS3). This system includes the capability to surveil, track and respond to threats in a manual or semi-automated fashion. The core of the system consists of an intuitive user interface coupled with software drivers for external devices (e.g. cameras, spotlights and audible warning systems) and a digital input/output card capable of up to 32 connections. This system, along with a control console, electro-optical system, audible hailing device, spotlights and a stabilized weapon mount was demonstrated on board the USS Ramage (DDG 61) in 2003. The first system installed for operational use occurred in 2007. The technology is currently available for licensing. [NSWC Crane]

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The IROS3 was developed in response to the increasing threats to high dollar value and exposed naval equipment. This proven and demonstrated system provides the capability to surveil, track and actively respond to threats in a manual or semi-automated fashion.