

Protector™ Unmanned Integrated Naval Combat system



Gain autonomous, unmanned operation for a wide range of critical naval missions

Benefits

- Performs naval missions in the littorals
- Eliminates risk to personnel and capital assets
- Reconfigurable for multi-mission applications
- Enables long and continuous operation
- Minimizes operation and maintenance costs
- Operational under hazardous conditions

Unmanned Surface Vehicle

The Protector is an unmanned, integrated, naval combat system. Highly autonomous and remotely controlled, the Protector is able to conduct a wide spectrum of critical missions, while eliminating unnecessary risk to personnel and capital assets. It is equipped with a wide range of advanced sensors that enable it to detect, identify and track coastal and maritime objects.

ISR Capabilities

The Protector is fitted with subsystems that include radar, an Electro-Optical Director (EOD) and a 360° panoramic camera. The EOD and the search radar serve for detection, identification and targeting, enabling both manual and automatic day/night target observation and tracking. EOD subsystems include a third-generation Forward-Looking Infrared (FLIR) sensor, color Charge-

Coupled Device (CCD) camera and an eye-safe laser rangefinder (LRF), and an advanced correlation tracker. These subsystems provide the ideal solution for asymmetric scenarios by gathering all required intelligence with an unmanned system.

Advanced Fire Control Capability

The Protector hosts an integrated weapon system known as the Mini-Typhoon, which is a remote-controlled, stabilized weapon station capable of operating various small caliber guns. The Mini-Typhoon is highly accurate and includes fire control capabilities, yielding excellent hit and kill probability.



Operational Status

The Protector is a mature and operationally proven system currently operational in several navies worldwide.

Versatile Mission Modules

The Protector can be fitted with several different mission modules for various capabilities, such as naval force protection (FP), maritime security (MS) missions, Anti terror (AT) activities, coastal, harbor and commercial shipping lane security as well as EW, ASW, MCM, ASuW missions.

Features

- Comprehensive C² system
- Reconfigurable mission modules
- Non-line of sight communication
- RADER, FLIR / CCD and laser range finder capability
- Advanced stabilization
- PA system and light projector



RAFAEL 
ADVANCED DEFENSE SYSTEMS LTD.

Naval & EW Directorate
Missile and NCW Division
Tel: (972)4-990-8503 Fax: (972)4-990-6257
E-mail: missile_mkt@rafael.co.il
HQ Tel: (972)4-879-4714 Fax: (972)4-879-4657
E-mail: intl-mkt@rafael.co.il www.rafael.co.il