LEONARDO ELECTRONICS

LIONFISH® 30

The LIONFISH® 30 is a remotely-controlled small caliber naval gun system characterized by long operative range and high rate of fire. It's part of wider LIONFISH® remote weapon turrets family sharing the same mechanical and electronic architecture and the same extremely user friendly Human Interface.

Thanks to its compact dimensions and light weight, LIONFISH® 30 allows providing very small surface vessels with the capability of neutralizing asymmetric surface threats, helicopters and drones, thanks to Air Burst Munition use, besides to be usable onboard larger vessels as secondary armament.

The LIONFISH® 30 is fitted with the LEONARDO X-GUN 30mm, ITAR-free, feed by two ammunition boxes with 200 ready to fire rounds.

It can fire all types of 30x173 mm ammunitions, prescribed by the cannon's manufacturer, such as:

- Air Burst Munition;
- High Explosive: MP-T/SD, SAPHEI-T, HEI-T;
- Armour Piercing: API, APFSDS-T, FAPSD-T;
- Target Practice: TP, TP-T.

The aiming system is fully stabilized in elevation and azimuth by means of powerful servo-systems in closed loop with both independent gyro and two tachometers for redundancy. All the components are fully protected by a stealth shield to minimize the RCS and allow the operation in the most severe environments.

The LIONFISH® 30 is remotely controlled through its own Local Control Console (with high resolution and low latency digital video) and it is able to autonomously determine the stabilized firing coordinates by performing ballistic and target trajectory calculations.

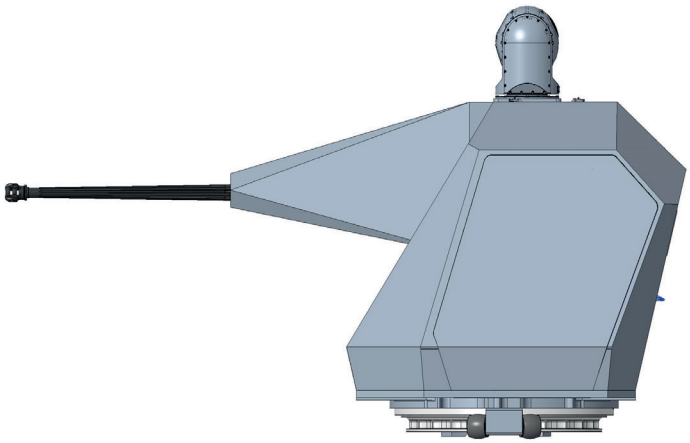
The Electro-Optical Director is independent, self-stabilized and it is equipped of a highly accurate sensors suite with daylight camera, IR camera and LASER Range Finder. The EOD is able to perform Nx360° in order to perform surveillance, multi target detection and tracking tasks.

The LIONFISH® 30 can be also fully controlled by a Platform Remote Multi Function Console or an external Firing Control System by activating a proper switch of the Local Control Console, in such a case target acquisition, target engagement and firing are performed by the MFC or FCS itself.

LEONARDO

KEY FEATURES

- Effective against any asymmetric surface threats, helicopters and drones;
- high rate of fire;
- fully stabilized on two independent axes providing great accuracy;
- independent, stabilized EOD with Nx360° azimuth range and tracking capabilitiy for surveillance tasks;
- multi target detection system;
- dual feeding system;
- compact dimensions and light weight;
- high reliability and ease of maintenance;
- stealth design;
- innovative and user-friendly Local Control Console with hight resolution digital video;
- controllable by external Fire Control System or Remote Multifunction Console;
- logistic communality inside LIONFISH® family;
- no deck penetration;
- Integrated data logging and video recording;
- Built-in test with automatic failure detection and fault isolation.



TECHNICAL SPECIFICATIONS

Caliber	30 x 173
Rate of fire	Controlled mode: - Single shot - Programmed Burst - Continuous Burst
Burst mode	Configurable up tp 200 RPM
Ready to fire rounds	up to 200
Effettive range	3500m
Training range	-155° to 155°
Elevation range	-20°÷70°
Training speed (acceleration)	140°/s, (220°/s^2)
Elevation speed (acceleration)	90°/s, (220°/s^2)
Mass without ammunition	1450 Kg
Day Camera (1)	9.5 / 4.8 / 3 Km D / R / I
IR Camera (1) (2)	12 / 6 / 3.5 Km D / R / I
LRF (1)	10 Km

(1): Typical performances achieved with respect to a NATO standard target.
(2): Valid for cooled sensor, uncooled one is available too.

Local Control Panel

For more information:
infomarketing@leonardo.com

Leonardo Electronics
Via Valdilocchi 15
19136 La Spezia-Italy
T +39 0187 5811
F +39 0586 854060

leonardo.com

EL00018 04-23

LEONARDO