The LIONFISH® 20 is a remotely-controlled small caliber naval gun system characterized by long operative range and high rate of fire.

Thanks to its compact dimensions and light weigh, LIONFISH® 20 allows providing very small surface vessels with the capability of neutralizing asymmetric surface threats, helicopters and drones, besides to be usable onboard larger vessels as secondary armament.

The LIONFISH® 20 is fitted with the OERLIKON CANNON® 20 mm KAE gun, feed by a 250 ready to fire rounds magazine. It can fire all types of 20 x 128 mm ammunitions, prescribed by the cannon’s manufacturer, such as: SAPPIE-T, TP-T, AP-T, HEI-T.

The aiming system is fully stabilized in elevation and azimuth by means of powerful servo-systems in closed loop with both two 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® 20 is remotely controlled through its own Local Control Console and it is able to autonomously determine the stabilized firing coordinates by performing ballistic and target trajectory calculations. The Electro-Optical Director is constituted of a highly accurate sensors suite (with an automatic tracking functionality) constituted of a daylight camera, an IR camera and a LASER Range Finder.

The LIONFISH® 20 could be also fully controlled by the external Firing Control System by activating a proper switch of the Remote Control Console, in such a case target acquisition, target engagement and firing are performed by the FCS itself.

**KEY FEATURES**

› Effective against any asymmetric surface threats, helicopters and drones;
› high rate of fire;
› fully stabilized on two independent axes providing great accuracy;
› compact dimensions and light weight;
› high reliability and ease of maintenance;
› Stealth design;
› innovative and user-friendly Local Control Console;
› logistic communality inside LIONFISH® family;
› no deck penetration
TECHNICAL DESCRIPTION

- Caliber: 20 x 128 NATO
- Rate of fire: Controlled mode: 100 to 300 RPM
- Burst mode: Up to 1000 RPM
- Ready to fire rounds: Up to 250
- Effective range: > 2000m
- Training range: -155° to 155°
- Elevation range: -30° to 70°
- Training and elevation speed: 57°/s (115°/s²)
- Mass without ammunition: 450 Kg
- Day Camera (¹): 9.5 / 4.8 / 2.7 Km
- IR Camera (²): 12 / 6 / 3.3 Km
- LRF (¹): 5.5 Km

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