

# LIONFISH® 12.7 ULTRALIGHT

ELECTRONICS DIVISION



The LIONFISH® 12.7 Ultralight is a remotely-controlled small caliber naval gun system which stands out for the lightest weight, the smallest deck interface and the best trade-off between performances and price.

The LIONFISH® 12.7 Ultralight can be efficiently used onboard small surface vessel, thanks to its physical characteristics, for border control, maritime traffic interdiction and self-protection as well as in land applications.

The LIONFISH® 12.7 Ultralight is fitted with a 12.7 mm machine gun feed by a 250 ready to fire rounds magazine, compatible with a wide variety of 12.7 x 99 NATO standard ammunitions such as: AP, API, APT, APIT, M33 ball.

The aiming system is fully stabilized in elevation and azimuth by means of powerful servo-systems in closed loop with both two independent gyros and two tachometers for redundancy.

The LIONFISH® 12.7 Ultralight 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 an accurate sensors suite (with an automatic tracking functionality) constituted of a daylight camera, an IR camera and a LASER Range Finder.

In emergency conditions, proper handles, located in the rear part of the cradle, allow to manually move the turret and fire.

## KEY FEATURES

- › Effective against any asymmetric surface threats, helicopters and drones;
- › lightest weight and smallest deck interface;
- › fully stabilized on two independent axes providing great accuracy;
- › high dynamic performances;
- › high reliability and ease of maintenance;
- › innovative and user-friendly Local Control Console;
- › no deck penetration;
- › logistic communality inside LIONFISH® family;
- › emergency manual controls.



## TECHNICAL DESCRIPTION

- › Caliber 12.7 x 99 NATO
- › Rate of fire (1) single shot, 300 RPM, 485 to 635 RPM
- › Ready to fire rounds 250
- › Effective range 1500 m
- › Training range -155° to 155°
- › Elevation range -20°÷70°
- › Training and elevation speed 60°/s (150°/s<sup>2</sup>) (acceleration)
- › Mass without ammunition <180 Kg
- › Day Camera (2) 9.5 / 4.8 / 2.7 Km  
D / R / I
- › IR Camera (2) 6.3 / 3.0 / 1.5 Km  
D / R / I
- › LRF (2) 5.5 Km

(1): Depending on the used machine gun.

(2): Typical performances achieved with respect to a NATO standard target.



Local Control Panel

**For more information:**  
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DS MM08728 6-20