

Gyro Stabilised Sights

Currently still under development, the Falcatos-230HR is based on the Leda-S230HR sensor module, but within a modified housing and integrated with a high performance 2 axis gyro stabilised platforms, developed specifically for the high mechanical shock & vibration levels expected of armoured fighting vehicles.

With a 4Km Identification range for standard NATO Targets, the Falcatos-230HR is ideal as both a Gunner or a Commander Sight in manned turrets or Hunter/killer combinations on RWS systems-

An HD Thermal Camera is planned to be made available within the Falcatos by end of 2026.



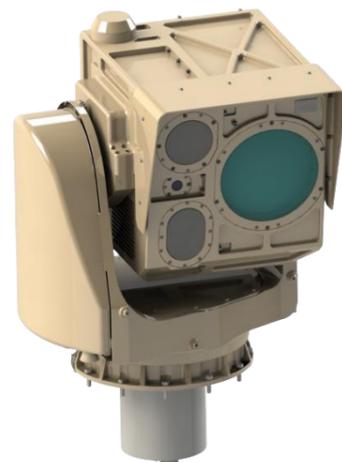
FALCATOS-230HR SIGHT

While still in the systems requirement phase, the next planned development is the longer range Falcatos-420HD Sight.

Based on the same set of long-range Thermal and Daylight cameras used in Tecnobit's 4 Axis Gyro stabilised systems, this new systems is designed for Ground Mobile applications with excellent boresight alignment & precision pointing accuracy.

To maximise reliability and stabilisation performance the optical payload is directly connected on elevation axis to the 2 axis gyro stabilised platform with no external cables.

The system also includes an LRF and optional pointer or designator lasers as well as GNSS and DMC.



FALCATOS-420HD SIGHT

All systems are 100% designed, developed, manufactured and maintained by Tecnobit in their Spanish facilities.



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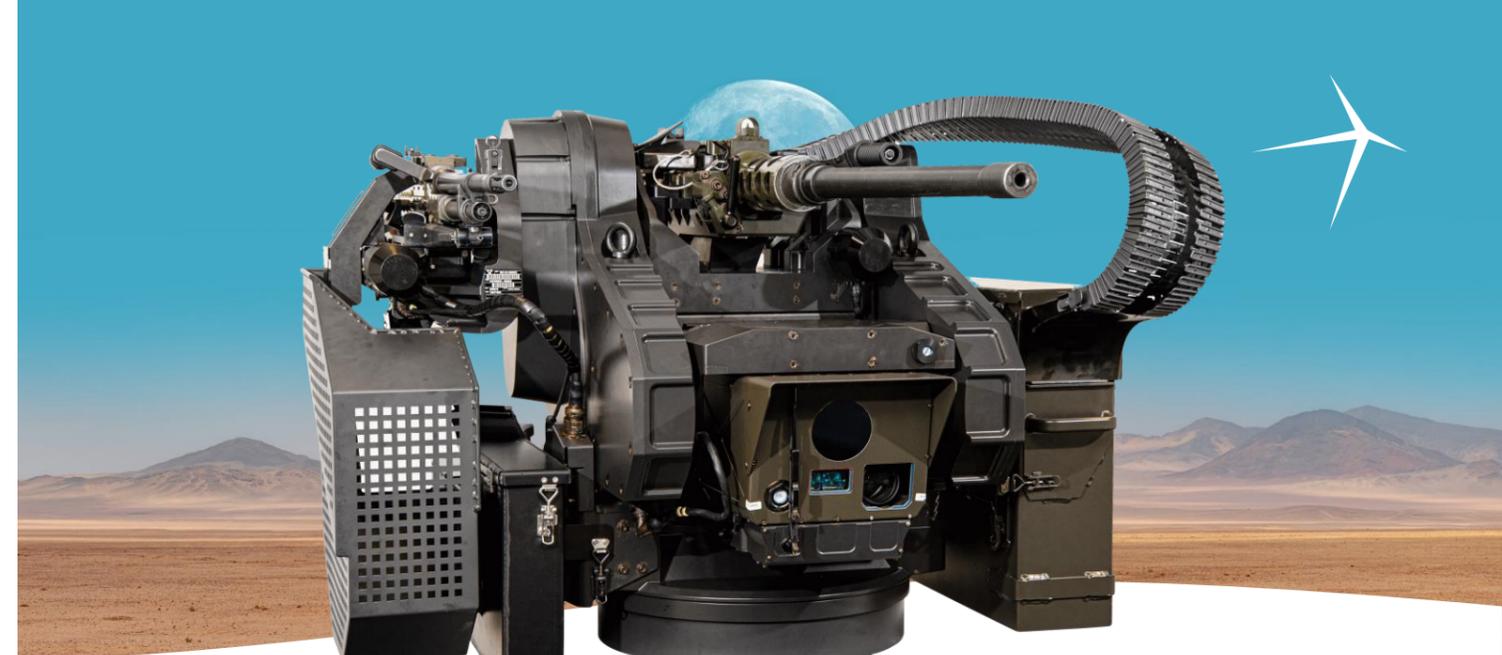
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Additional information:

[Optronic Systems](#)



LEDA-S275HR INTEGRATED ONTO 12.7mm RWS

Sights for Armoured Vehicles EO/IR Systems

With more than 30 years' experience in the development of advanced optronic systems, Tecnobit are a trusted and preferred supplier of optronic solutions to many leading defence companies involved with armoured vehicles. These include solutions for sights, remote weapon stations, fire control systems and situational awareness systems.

Designed and manufactured to the very highest standards, Tecnobit's range of Optronic solutions for Armoured and Ground Mobile applications offer the following advantages:

Best of class performance and ITAR Free.

Sophisticated suite of Image Processing algorithms.

Latest generation of high sensitivity, high resolution MWIR detectors.

High reliability and fully qualified for the harshest environments.

Proprietary design and manufacture of optics.

Very tight Line of Sight alignment between sensors.

Designed for optional wiper and window heaters for de-icing.

LEDA-C420HD & LEDA-T500FHD INTEGRATED ONTO 35MM CANNON



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Single Camera Solutions

Tecnobit can supply either "Open Frame" cameras for customers to integrate into their own Sensor Module systems, or "Housed" single cameras available as fully MIL-STD qualified solutions. All single Leda cameras share a common electrical and logical interface, with both HD-SDI digital and PAL/NTSC analogue video outputs with options for Giga Ethernet video too.

Currently limited to the following 4 cameras, the range is expected to expand with the addition of an HD version of the Orisón and the longer-range Castor 530HD once they are available.



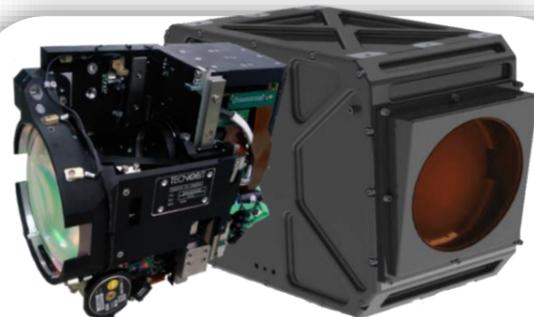
**ORISON-230HR & LEDA-C230HR
THERMAL CAMERAS**



**CASTOR-Z420HD
THERMAL CAMERA**



**TAURUS-Z500FHD & LEDA-T500FHD
DAYLIGHT CAMERAS**



**CASTOR-3F420HDL & LEDA-C420HD
THERMAL CAMERAS**



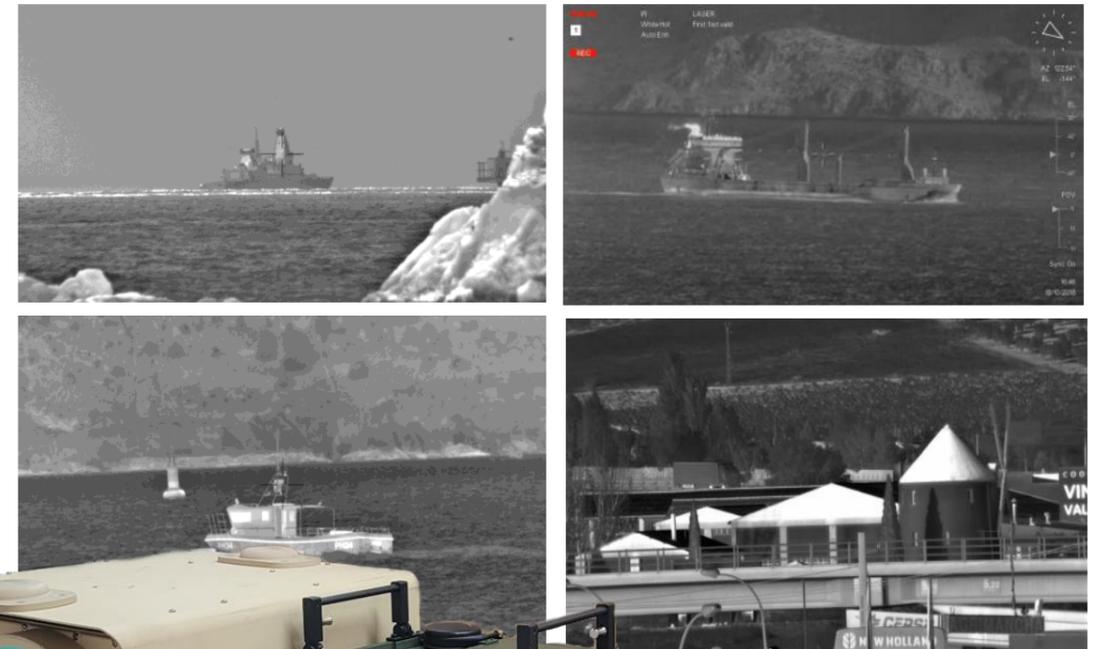
**CASTOR-3F420HD INTEGRATED INTO THE
ADVANCED OBSERVER SIGHT OF THE
SPANISH 8X8 DRAGON.**

Sensor Modules Solutions

As well as single Open Frame or Housed cameras, Tecnobit have a range of Sensor Modules that include Tecnobit's own Thermal and Daylight Cameras together with options for Laser Range Finders, Laser Pointers, GPS and DMC modules.

This format generally offers a more compact and lighter weight solution than separate cameras, with all sensors factory boresighted, simplifying maintenance actions.

Varying in size and DRI range from the largest 34Kg Leda-S530HD to the smallest 8Kg Leda-S230HR, Tecnobit can adapt their systems to provide the ideal solution to any requirement.



**TECNOBIT LEDA-S
SENSOR MODULES**

