



**Castor
Z420HD
MWIR**



 **Smart Vision** > Optronics

EO/IR System ARGOS 15HDA

The **ARGOS-15HDA** is 15" long range observation and surveillance system for airborne application. It's 4 axis gyro stabilised platform can achieves better than 10 μ rad Line of Sight stabilisation in fixed and rotary wing aircraft, enabling the high performance optical payload to reach its maximum range.

The standard payload includes either Tecnobit's **Castor-3F420HDL** or **Castor-Z420HD MWIR** thermal camera together with the it's Taurus Full HD long range daylight camera with an LRF and Geo-Location / Geo-Track functions.

3 Field of View with "See Spot" capability or Continuous zoom MWIR Thermal Imager (28° to 1.7°) with HD resolution

x45 continuous zoom colour daylight camera (34° to 0.75°) with 1920 x 1080 FHD resolution in colour or NIR

High quality Image Processing includes, Contrast and end Enhancement, Electronic Zoom and Tecnobit proprietary algorithms.

Control via single RS422 or Ethernet port

HD-SDI Video outputs.

Fully qualified to MIL-STD-701, MIL-STD-810E and MIL-STD-461E

Available with different options as laser designator, various models GPS interface or SWIR/NIR Spotter planned

ARGOS-15HDA CHARACTERISTICS

Electro-Mechanical

Dimensions / Weight	Ø360mm (15") x 530mm (20") / up to 46Kg according to configuration
LOS stabilisation	<10µrad rms
Field of Regard	-120° to +35°
Slew Rate	90°/s max (both axis)
Interface	28Vdc (70W nominal), PAL/NTSC, HD-SDI Video, RS422 & Ethernet.
Temperature	-32°C to +50°C available

Thermal Imager

Spectral Range	From 3.7 to 4.9 µm.
Detector Type	10 x 10 µm 1280 resolution detector
Optics	Continuous Zoom Optics from 28° to 1.7° with x4 continuous digital zoom
Cooling time / Cooler Life	< 7 minutes (@ 25°C) / 22,000 hours cooler life

Daylight Camera

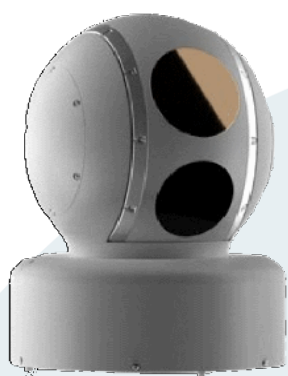
Type	Colour, Full HD 1920 x 1080 with NIR Mode
Optics	x45 Continuous zoom – 34° to 0.75°

Laser Range Finder

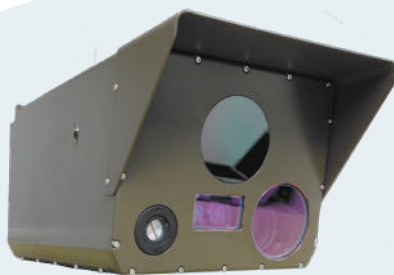
Range Finder Type	Eye safe, Class 1 - 1.54µm wavelength
Range Finder Distance	80 to 30,000m

The ARGOS-15HDA system is part of a wide range of Optronic products developed by Tecnobit for a variety of platforms including ships, aircraft, helicopters, vehicles and fixed ground applications.

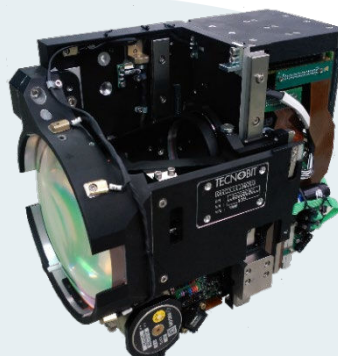
All our systems are designed, developed, manufactured and maintained by Tecnobit in it's Spanish facility.



FALCATOS



**Leda-S275HR
RWS Sight**



Castor-3F420HD



ARGOS-10HR



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