

 Smart Vision > Optronics

Leda C420

Sensor Modules

Naval Leda-C420

The LEDA-C420 is part of a family of single and multiple sensor modules consisting of a rugged and sealed housing. Qualified to the most demanding Maritime and Ground Mobile environments, the LEDA-C420 includes a single Castor-3F420 thermal imager has been designed for the most demanding conditions although it is also suitable for observation systems on Pan and Tilts platforms.

Compact Long Range MWIR cameras in protective housing. Fully qualified for Ground Mobile or Maritime applications

Multiple options for mounting housing on upper, lower or lateral surfaces.

Sophisticated suite of Image Processing algorithms for low latency video (<20ms) in analogue, SDI or Giga Ethernet formats.

Perfect alignment and focus through zoom over complete temperature range

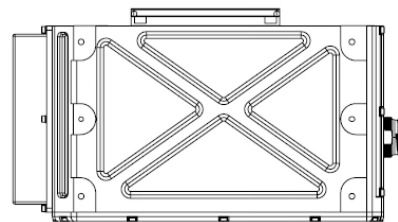
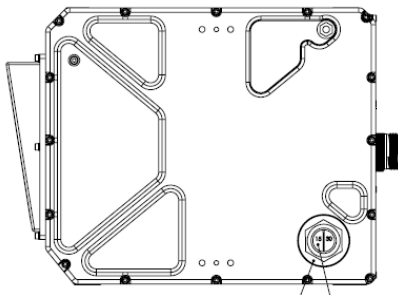
Available in standard (640), XGA (1024) or HD (1280) resolution with continuous zoom or 3 FOV optics

ITAR Free with options for wipers and window heaters for de-icing

The camera can be controlled through either an RS422 or Ethernet port and has digital (HD/SD-SDI or Giga Ethernet) or analogue (PAL/NTSC) video outputs available.

CHARACTERISTICS LEDA C-420

Camera Characteristics	
Wavelength	3.7 to 4.9 μm (MWIR)
Detector Type	InSb or CMT FPA Detector with 1280, 1024 or 640 pixel resolution.
NETD	<30 mK
Cooling Time	< 7 minutes
Optics	Continuous zoom or 3 Optical Fields of View with 1.7° to 27° (1280) or 1.3°, 4.5° & 21° (640 or 1024 resolution) with digital continuous zoom to x4
Alignment of FOVs	Less than 2 pixels
FOV change time	<0.7 seconds (3 discrete FOV) or <1.5 seconds (continuous zoom)
Characteristics System	
Outer Dimensions	170mm (w) x 247mm (h) x 346mm (l)
Weight	<12Kg (without wiper)
Video Output	Analogue Video - RS170 or CCIR. Digital Video – Giga Ethernet or SDI (SD or HD according to resolution & framerate. Low Latency (<20ms)
Power	28Vdc to MIL-STD-1275 < 15W once cooled, < 25W during cool down period
Control	RS422 or Ethernet control
Wiper	Optional



The **LEDA C-420** is part of a family of single and multiple sensor modules consisting of a rugged and sealed housing. It is part of a wider range of optronic products such as the ultra compact Orison MWIR camera, the 4 axis gyro stabilised ARGOS-15HD and the LEDA Multi Sensor Modules all which have been developed for a variety of platforms including ships, aircraft, helicopters, vehicles and fixed ground applications.

All systems are 100% designed, developed, manufactured and maintained by Tecnobit at it's Spanish facility.



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