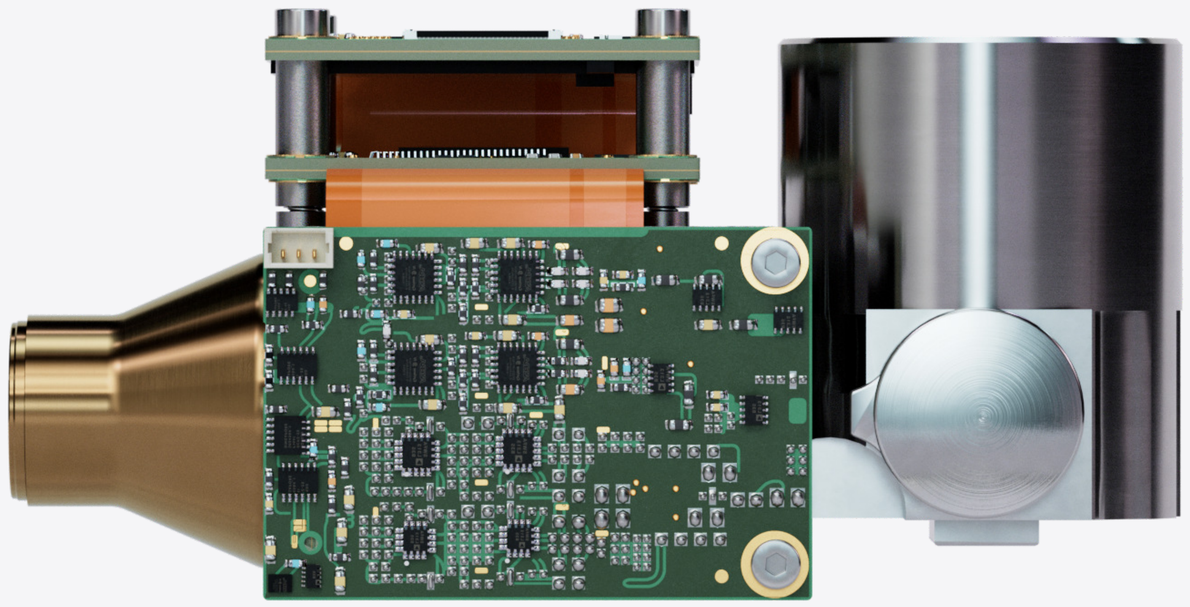
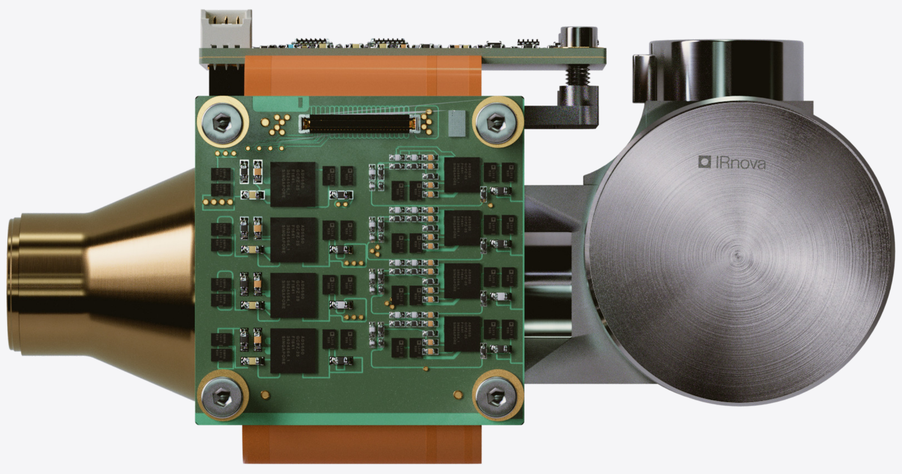
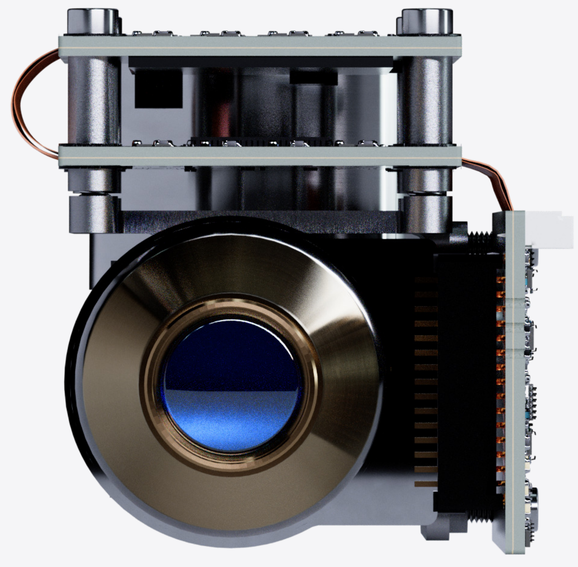
IRnova

T2SL
Oden MW

Introducing the Oden MW: the SWaP detector with no performance compromises. Revolutionary HOT MWIR T2SL technology. Operates with full performance up to 150 K for unrivalled SWaP (low size, weight and power).







Description

The Oden MW is a HOT T2SL-based general purpose SWaP detector that operates at up to 150K. This higher focal-plane temperature allows for power consumption that is more than halved compared to regular detectors and an equally significant reduction in weight and volume in assembly.

Applications

- Space constrained systems (UAV gimbals, compact multisensor systems)
- Handheld and battery powered systems (goggles, portable cameras)
- Mobile and stationary platforms

General information

Application: General purpose

Format: 640x512

Technology: HOT T2SL

Pixel pitch: 15 µm

Typical detector performance

Spectral range: 3.7 - 5.1 µm

F number options: F/4, F/5.5

NETD: 20 mK

Pixel operability: > 99.5%

Frame rate: 60/120 Hz
(Depending on proxy version)

Proximity electronics

Supply voltage: 5 V

Maximum frame rate: Selectable frame rate supported

Electrical interfaces: Camera Link
(Cooler control and proximity electronics included)

IDDCA Parameters

Cooler options: RMs1
(SX020, K580 and K588 available)

Power consumption: 3.5 W / <10 W
(Steady state / Cooldown)

Cool down time: 3 min

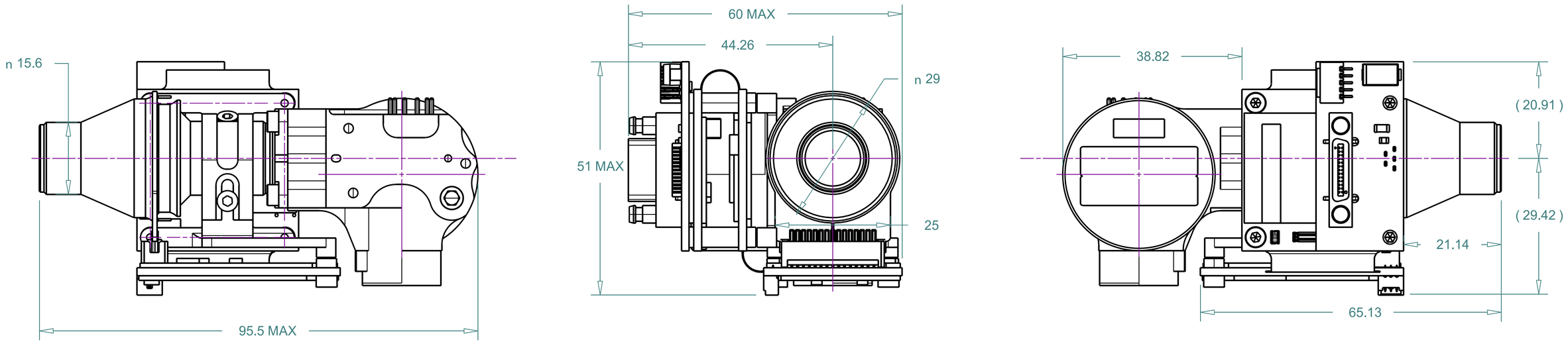
Cooler voltage: 12 V

Weight: 230 g

Cooler MTTF: >10 000 h

Dimensions: 50x50x96 mm

Environmental conditions:
MIL-STD-810



Technical characteristics described above are not contractual and may change without prior notice. This is revision 1.0.