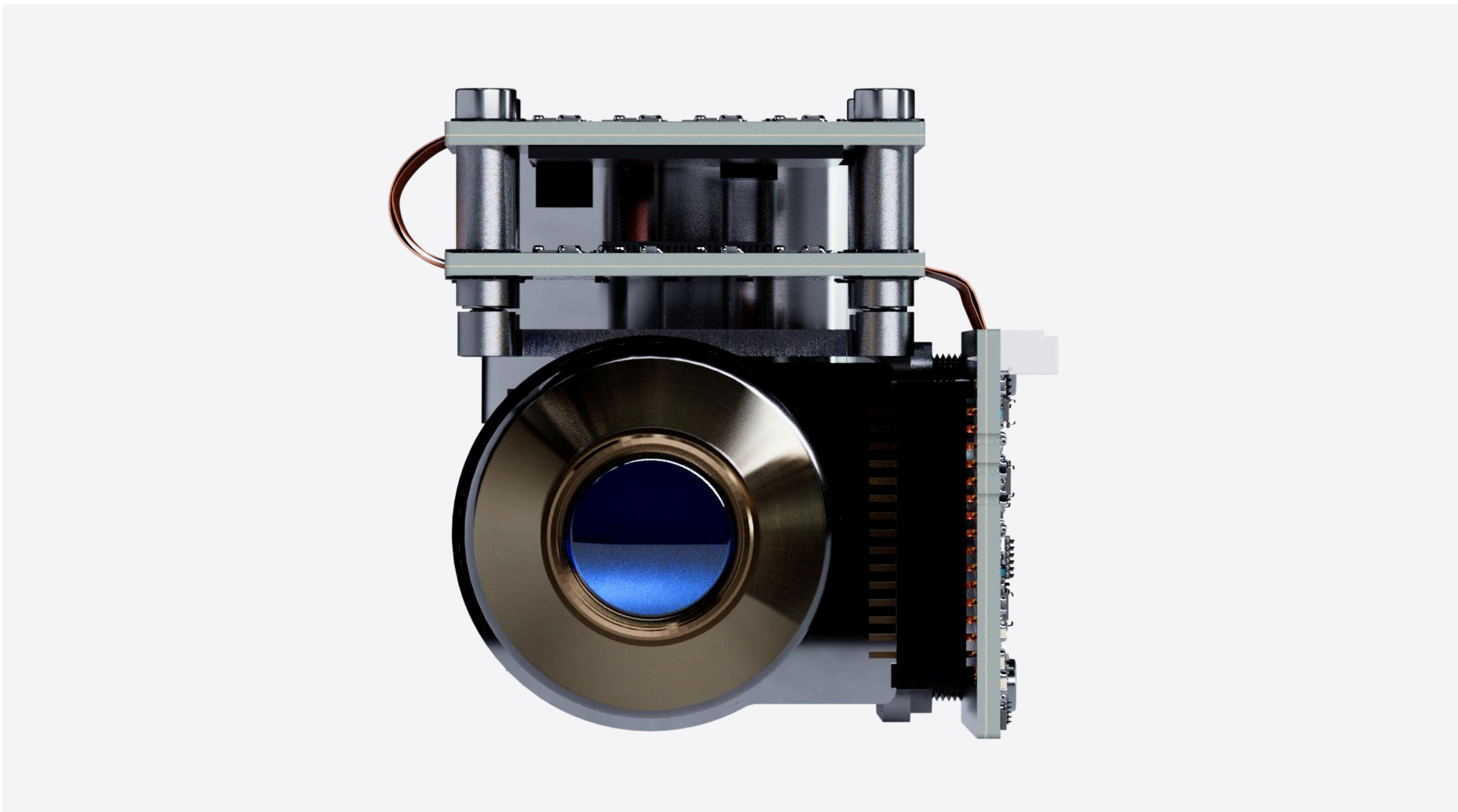
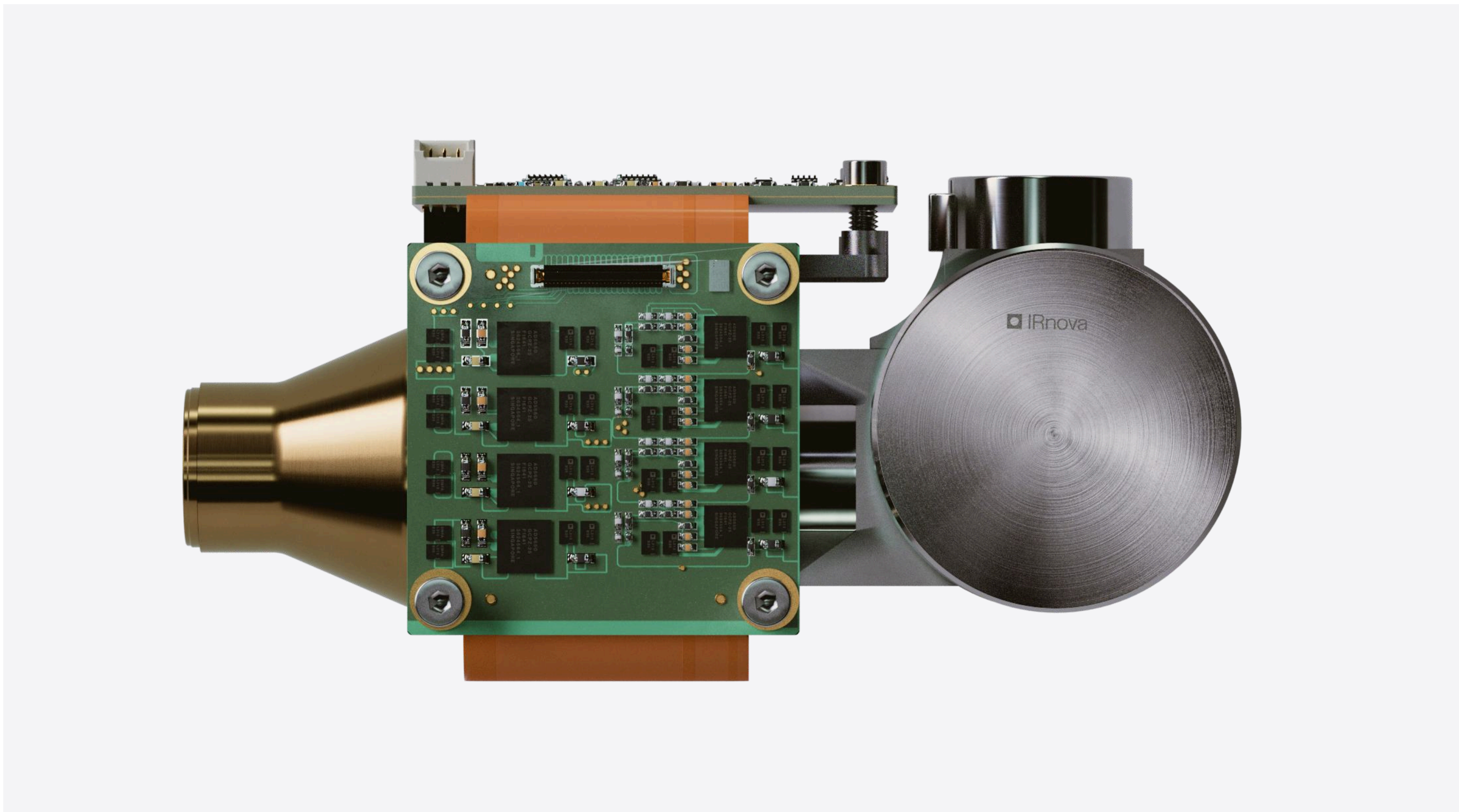
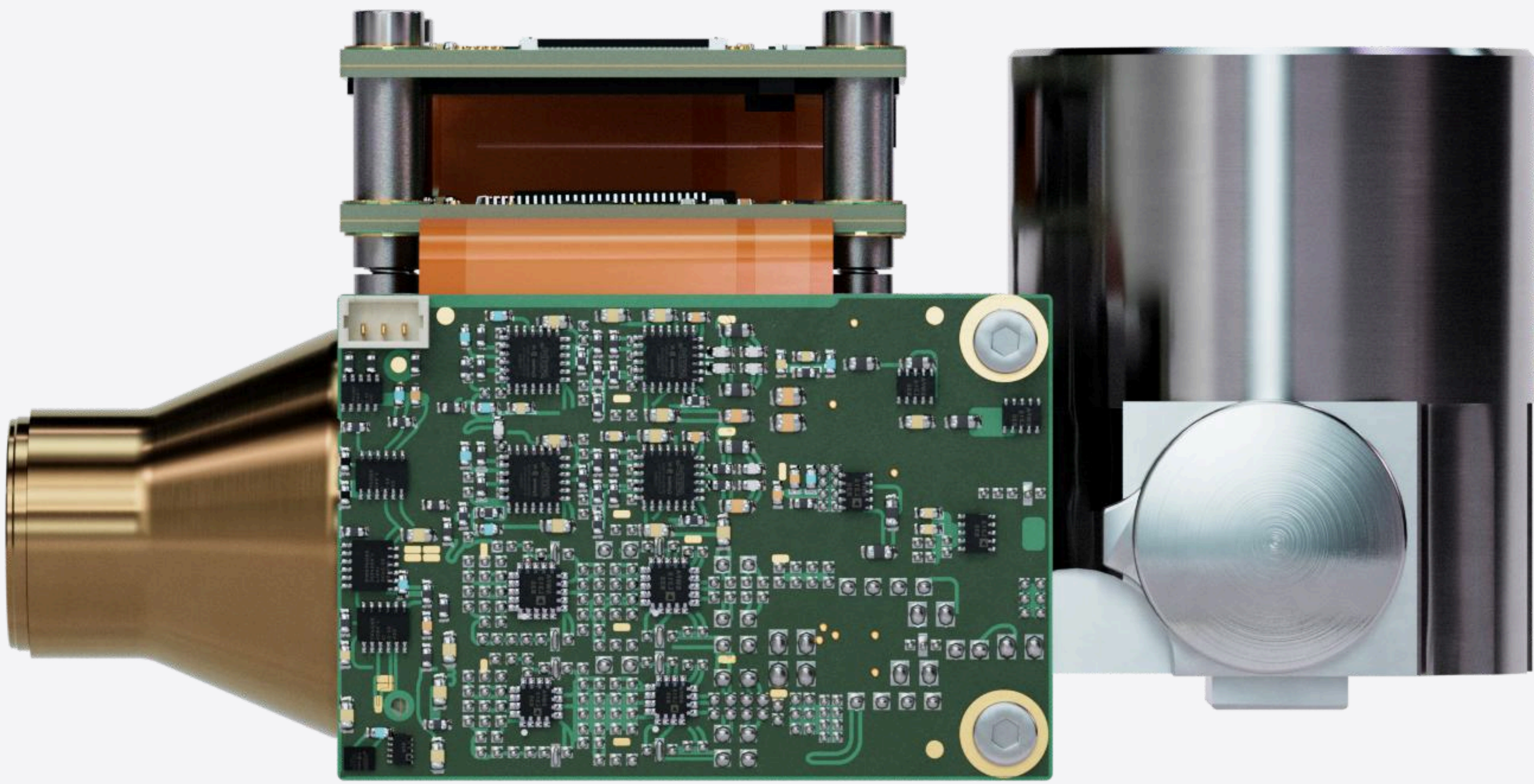


T2SL Oden

Introducing the Oden: the SWaP detector with no performance compromises. Revolutionary HOT MWIR T2SL technology. Operates with full performance up to 140 K for unrivalled SWaP (low size, weight and power).



Description

The Oden is a HOT T2SL-based general purpose SWaP detector that operates at up to 140K. 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
Technology: T2SL

Format: 640x512
Pixel pitch: 15 µm

Typical detector performance

Spectral range: 3.7 - 5.1 µm
CO2 notch filter optional
F number options: F/4, F/5.5
NETD: 18 mK @ F/4, 60 Hz

Pixel operability: 99.9 %
MTF: 62 %
@ Nyquist frequency

Proximity electronics

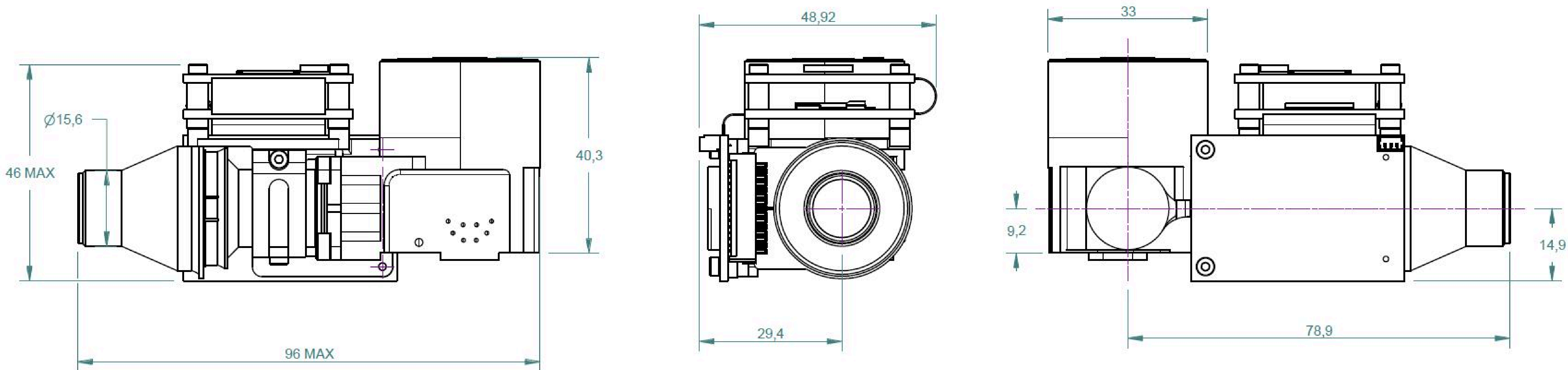
Supply voltage: 5 V
Maximum frame rate: 60 Hz
120 Hz optional

Electrical interfaces: Camera Link
Cooler control and proximity electronics included

IDDCA Parameters

Cooler options: RMs1, K580
Power consumption: 2 W
Without proximity electronics
Cool down time: 3.5 min
Cooler voltage: 12 V

Weight: 250 g
Dimensions: 96x49x46 mm
Cooler MTTF: 12 500 h
Environmental conditions: MIL-STD-810



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