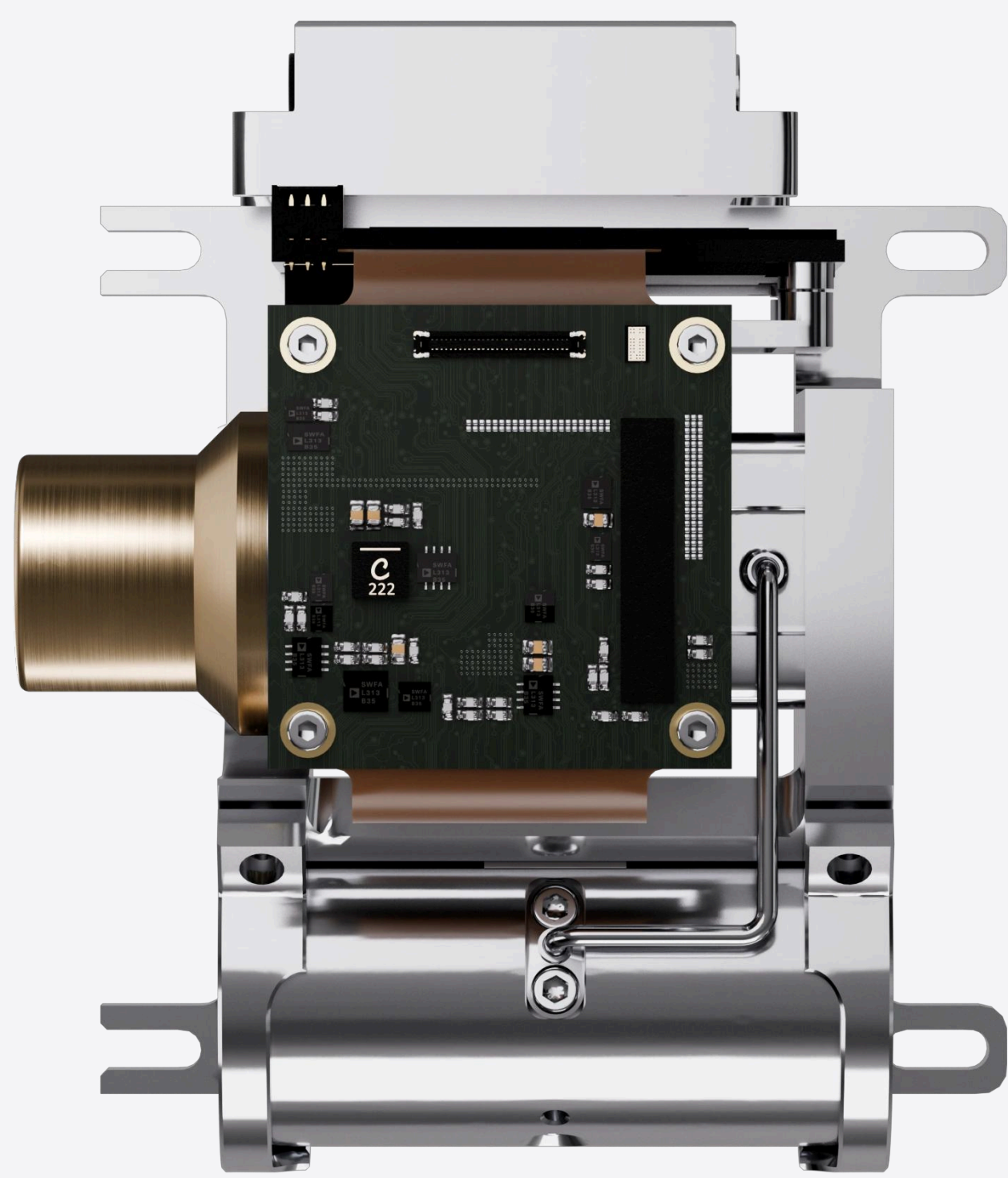
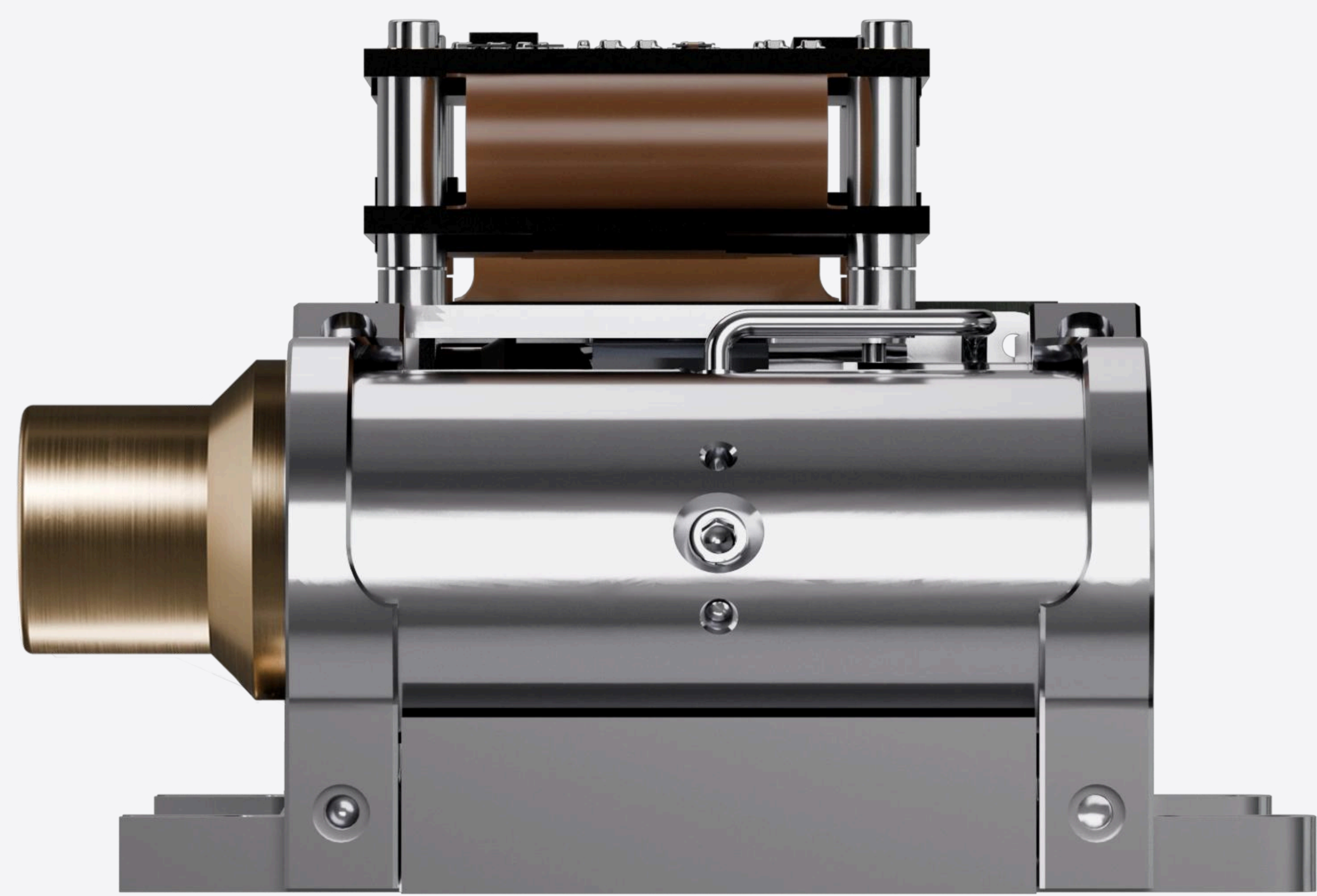


T2SL Njord SL

The Njord SL is a true masterpiece. Everything about it breathes perfection, from the flawless performance of its HOT T2SL material and the quality of its finely machined frame to the nearly completely silent split linear cooler. With its bold and innovative design, it pushes the boundaries of what is possible to achieve, all staying within a footprint so small it's hard to believe a detector of this magnitude fits inside.



Description

The Njord SL is a split linear cooler version of the state-of-the-art Njord detector. It has the same stunning imaging performance in SXGA HD format as the Njord MW with rotary cooler, but with its shorter optical axis length, it is the primary choice for certain applications like gimbal mounting in UAVs. It is also excellent for applications where reducing noise and vibrations is paramount, as it is nearly inaudible, and the combination of a high-quality split linear cooler and high operating temperature results in a very long cooler lifetime.

Applications

- ✓ Long range security & surveillance
- ✓ Space constrained systems (UAV gimbals, compact multisensor systems)
- ✓ High performance ISR and targeting airborne gimbals
- ✓ Handheld and battery powered systems (goggles, portable cameras)
- ✓ Mobile and stationary platforms

General information

Application: General purpose
Technology: T2SL

Format: 1280x1024
Pixel pitch: 10 µm

Typical detector performance

Spectral range: 3.7 - 5.1 µm
CO2 notch filter optional
F number options: F/2, F/3.4 , F/4
NETD: 25 mK @ F/4, 60 Hz

Pixel operability: 99.9 %
MTF: 61 %
@ Nyquist frequency

Proximity electronics

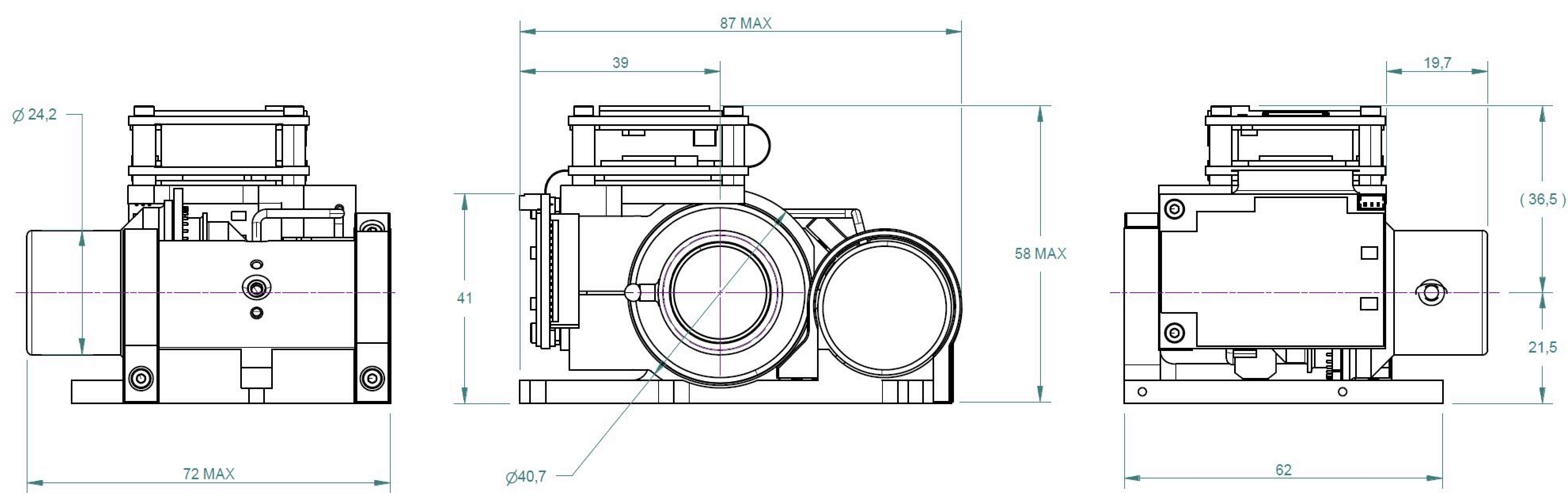
Supply voltage: 5 V
Maximum frame rate: 60 Hz

Electrical interfaces: Camera Link
Cooler control and proximity electronics included

IDDCA Parameters

Cooler options: K588, SX020
Power consumption: 2 W
Without proximity electronics
Cool down time: 4 min
Cooler voltage: 12 V

Weight: 350 g
Dimensions: 87x72x58 mm
Cooler MTTF: 30 000 h
Environmental conditions: MIL-STD-810



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