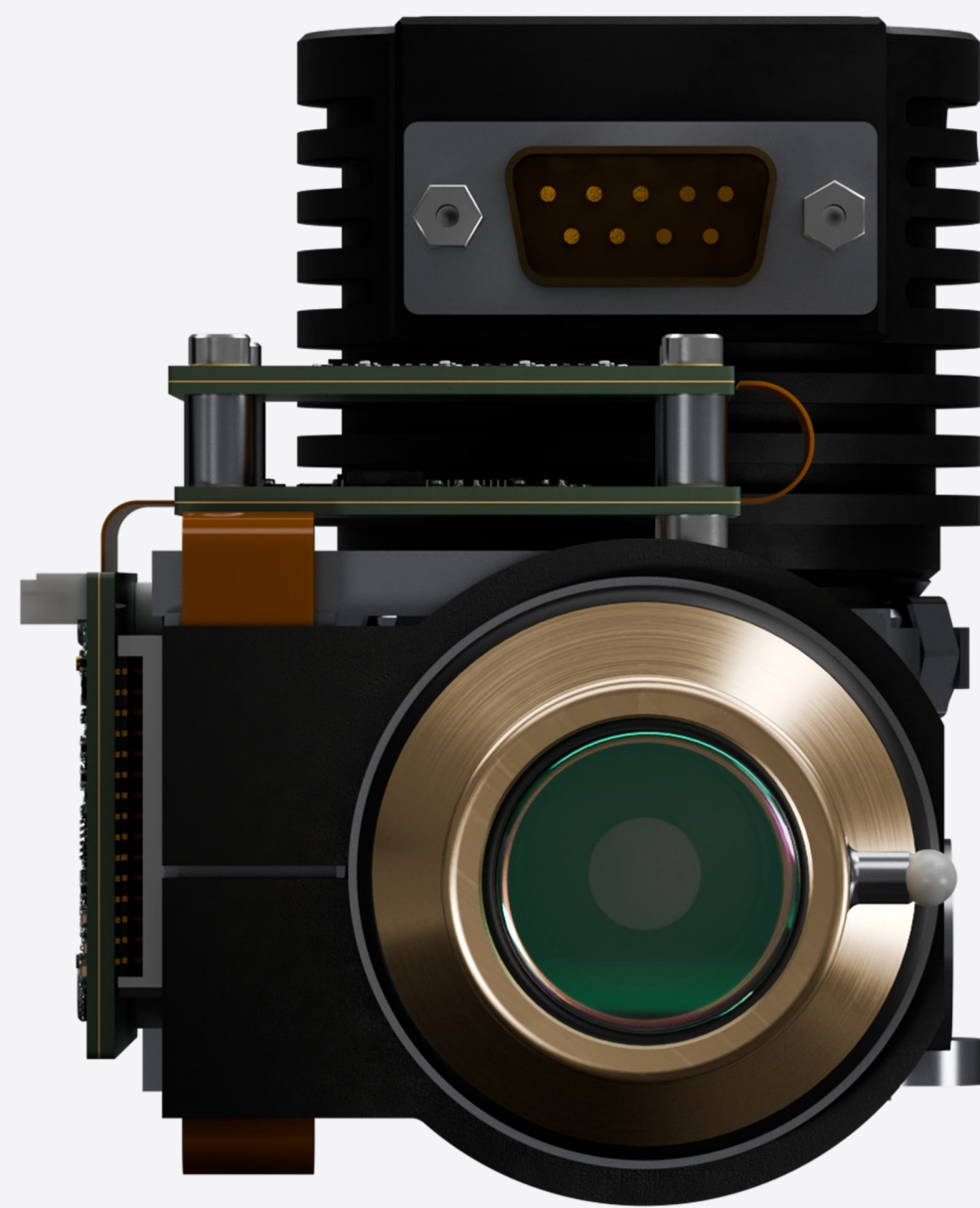
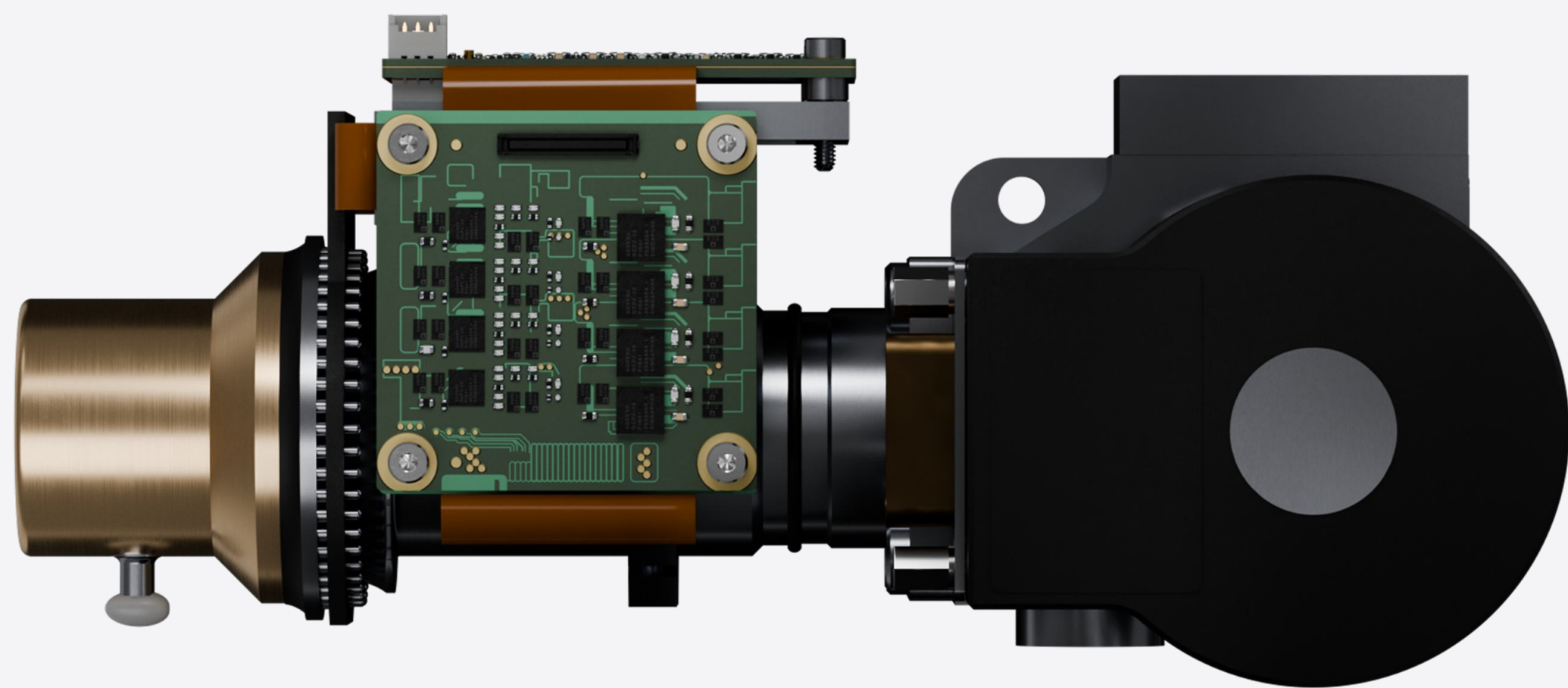
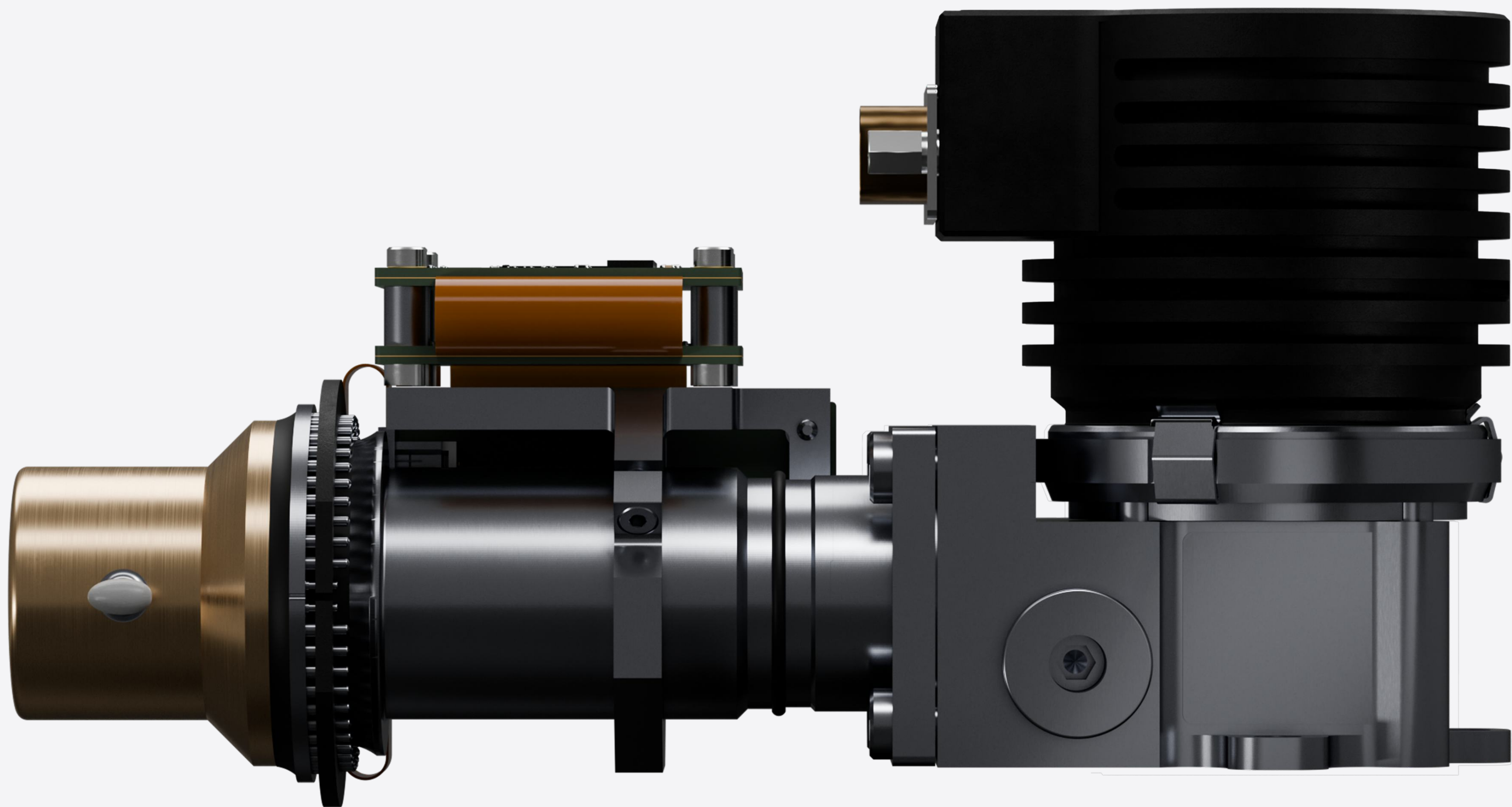


T2SL

Oden LLT

Robust, reliant and ready. The superb Oden VGA detector in a full-sized package with a powerful cooler and an extreme lifetime. An infrared detector you can rely on, now and tomorrow.



Description

The Oden LLT is a long-lifetime version of the Oden detector for use in highly demanding applications. In this product variant we have put the top-performing T2SL FPA of the Oden in a dewar compatible with a 0.5 W cooler. When coupling such a powerful cooler with a HOT (high operating temperature) detector, one gets a very attractive property: extremely long lifetime. Without compromising performance, it achieves 50 000 hours or more of expected lifetime, corresponding to nearly 6 years of 24/7 operation.

Applications

- ✓ Long range security & surveillance
- ✓ Air defence target tracking (including UAVs)
- ✓ Border security and surveillance cameras
- ✓ Fixed IP surveillance solutions
- ✓ Tank sights, maritime applications and firefighting
- ✓ Industrial applications (thermography, NDT...)

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

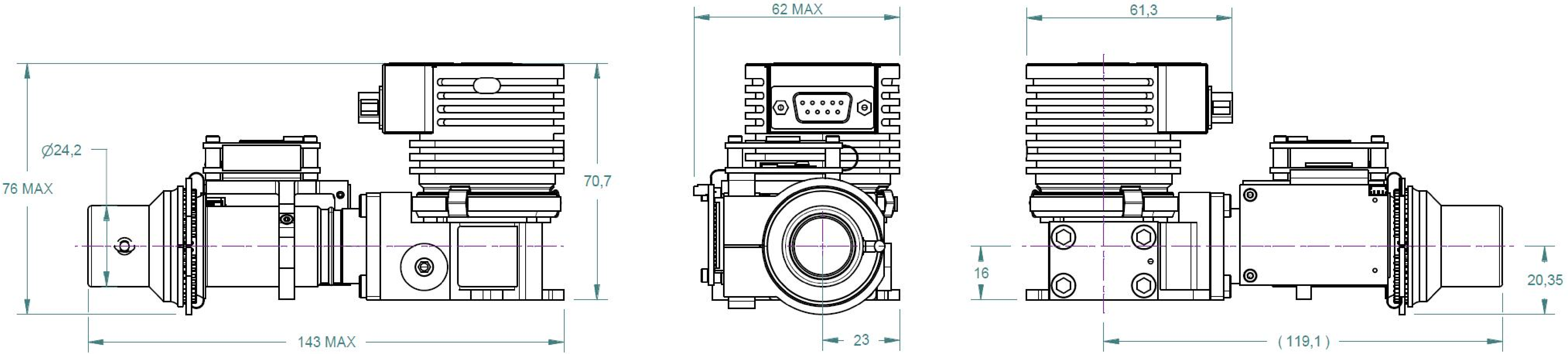
Supply voltage: 5 V
Maximum frame rate: 60 Hz
120 Hz optional

Electrical interfaces: Camera Link
Cooler control and proximity electronics included

IDDCA Parameters

Cooler options: RM3i, K508, K508N, SRI401
Power consumption: 3 W
Without proximity electronics
Cool down time: 3 min
Cooler voltage: 12 V
24 V options available

Weight: 590 g
Dimensions: 143x76x62 mm
Cooler MTTF: >50 000 h
Environmental conditions: MIL-STD-810



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