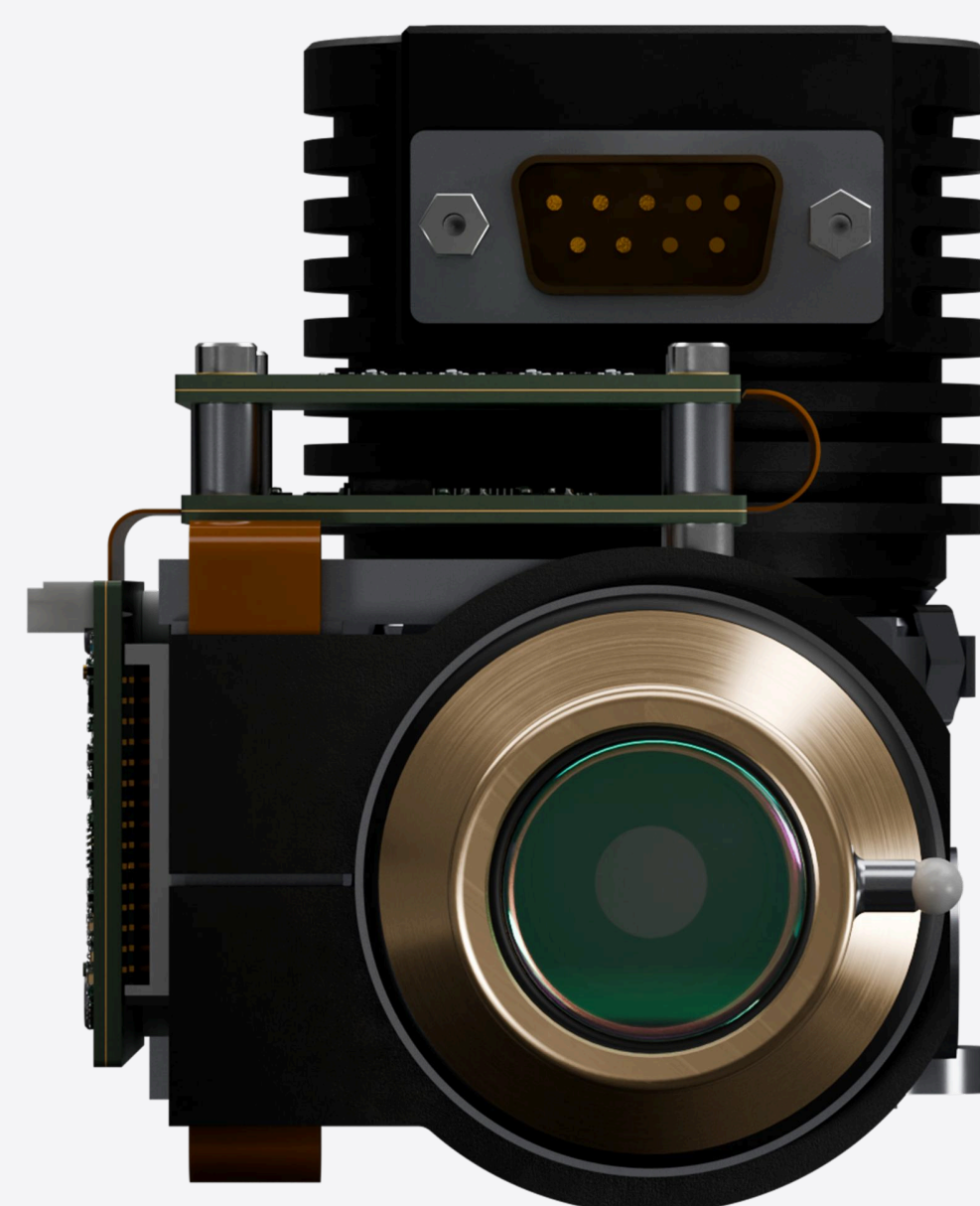
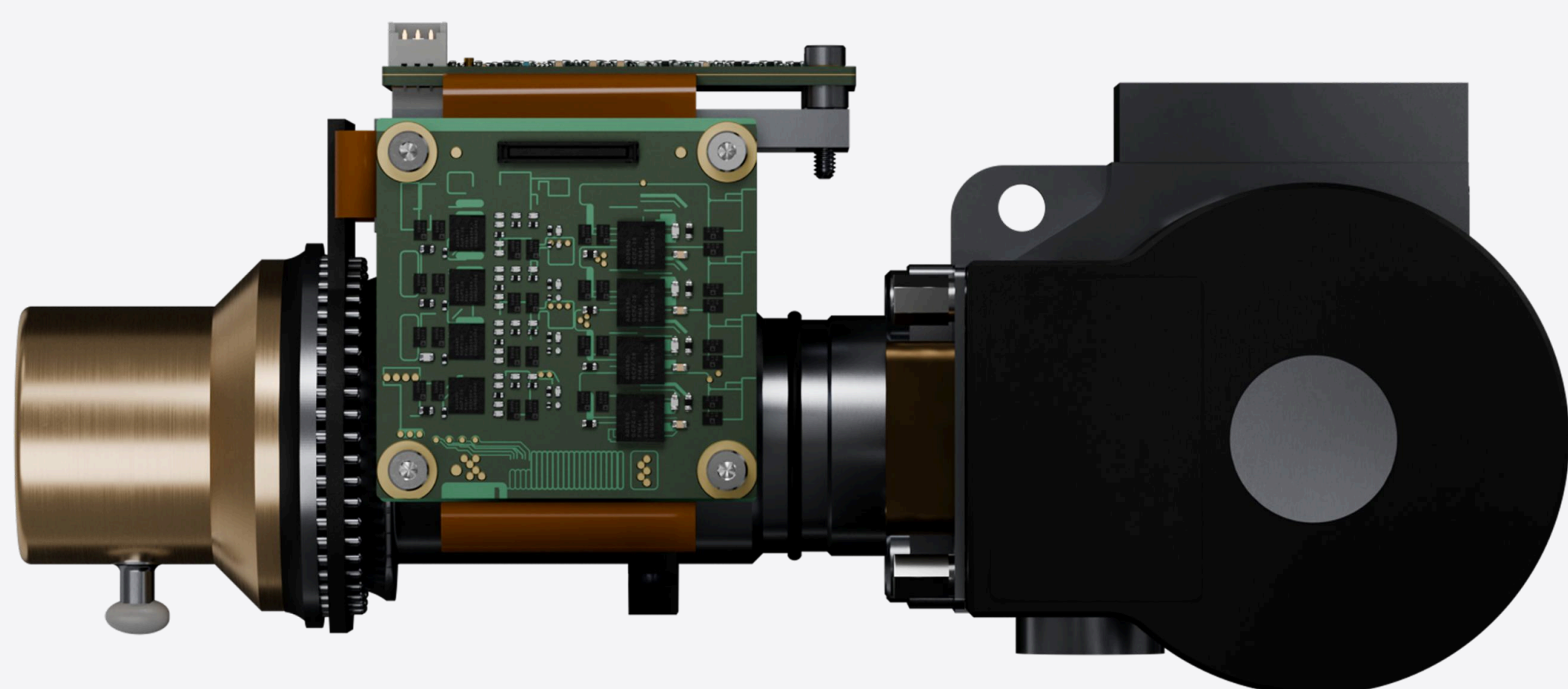
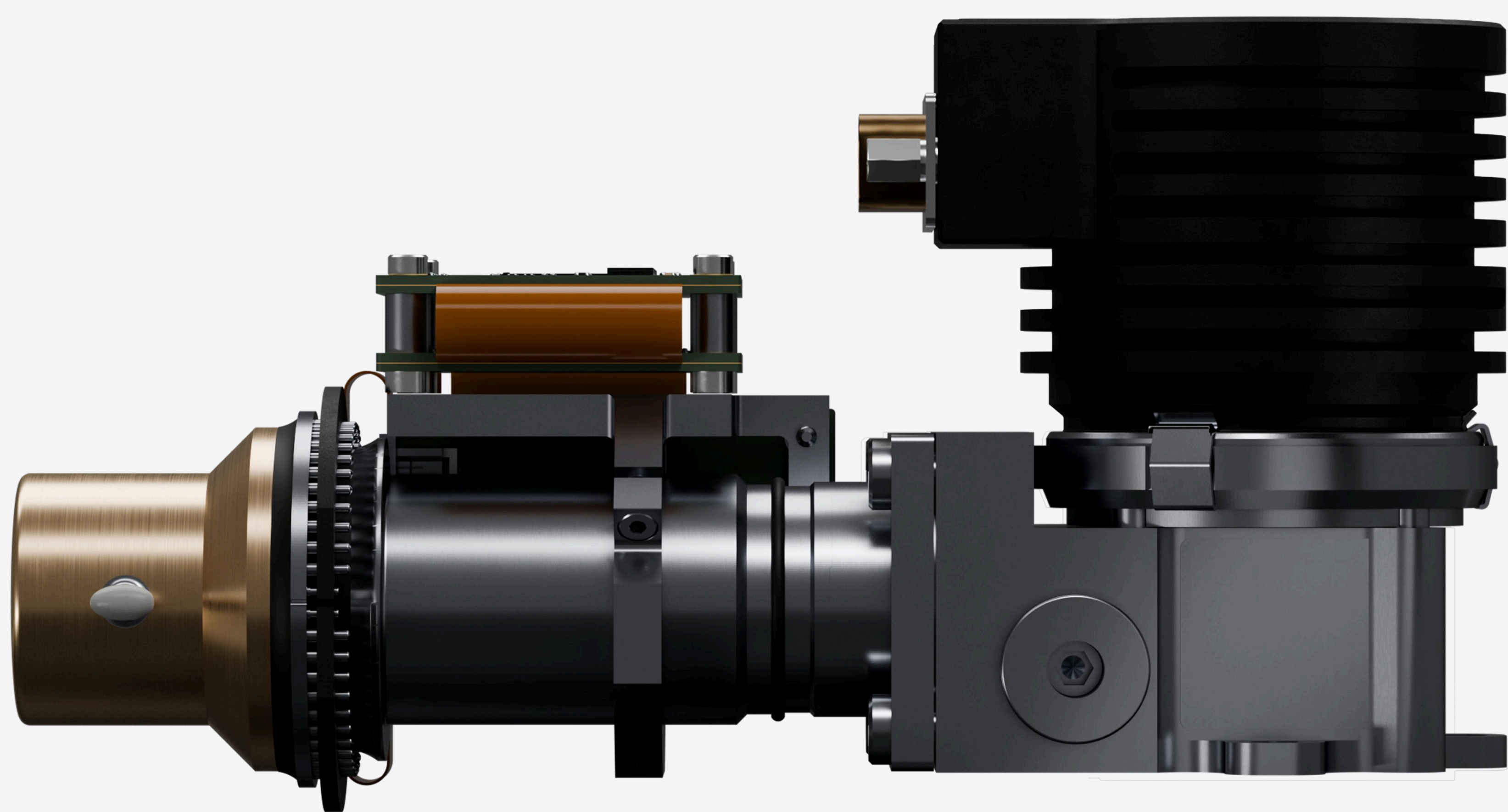


# T2SL

## 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

Format: 640x512

Technology: T2SL

Pixel pitch: 15 µm

# Typical detector performance

Spectral range: 3.7 - 5.1 µm  
CO2 notch filter optional

Pixel operability: 99.9%

F number options: F/4, F/5.5

Maximum frame rate: Up to 120 Hz

NETD: 16 mK @ F/4, 60 Hz

# Proximity electronics

Supply voltage: 5 V

Electrical interfaces: Camera Link

Frame rate: 60/120 Hz  
Depending on proxy version

Cooler control and proximity electronics included

# IDDCA Parameters

Cooler options:  
RM3, K508, K508N, SRI401

Weight: 550 g

Power consumption: 3.5 W / 11 W  
Steady state / Cooldown  
(without proximity electronics)

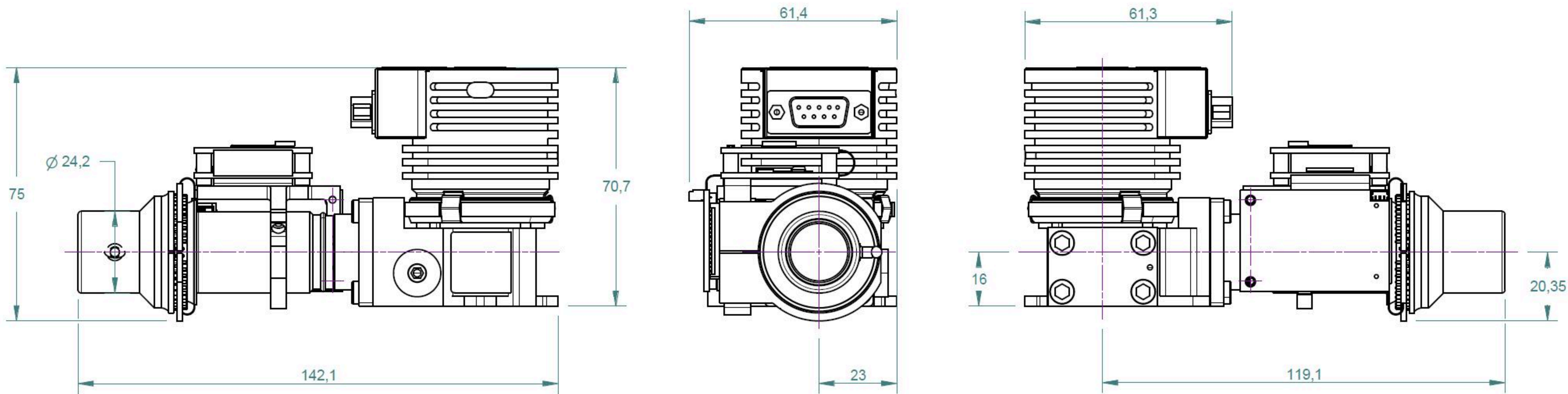
Dimensions: 75x61x142 mm

Cool down time: 3.5 min

Cooler MTTF: >50 000 h

Cooler voltage: 12 V  
24 V cooler options available

Environmental conditions: MIL-STD-810



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