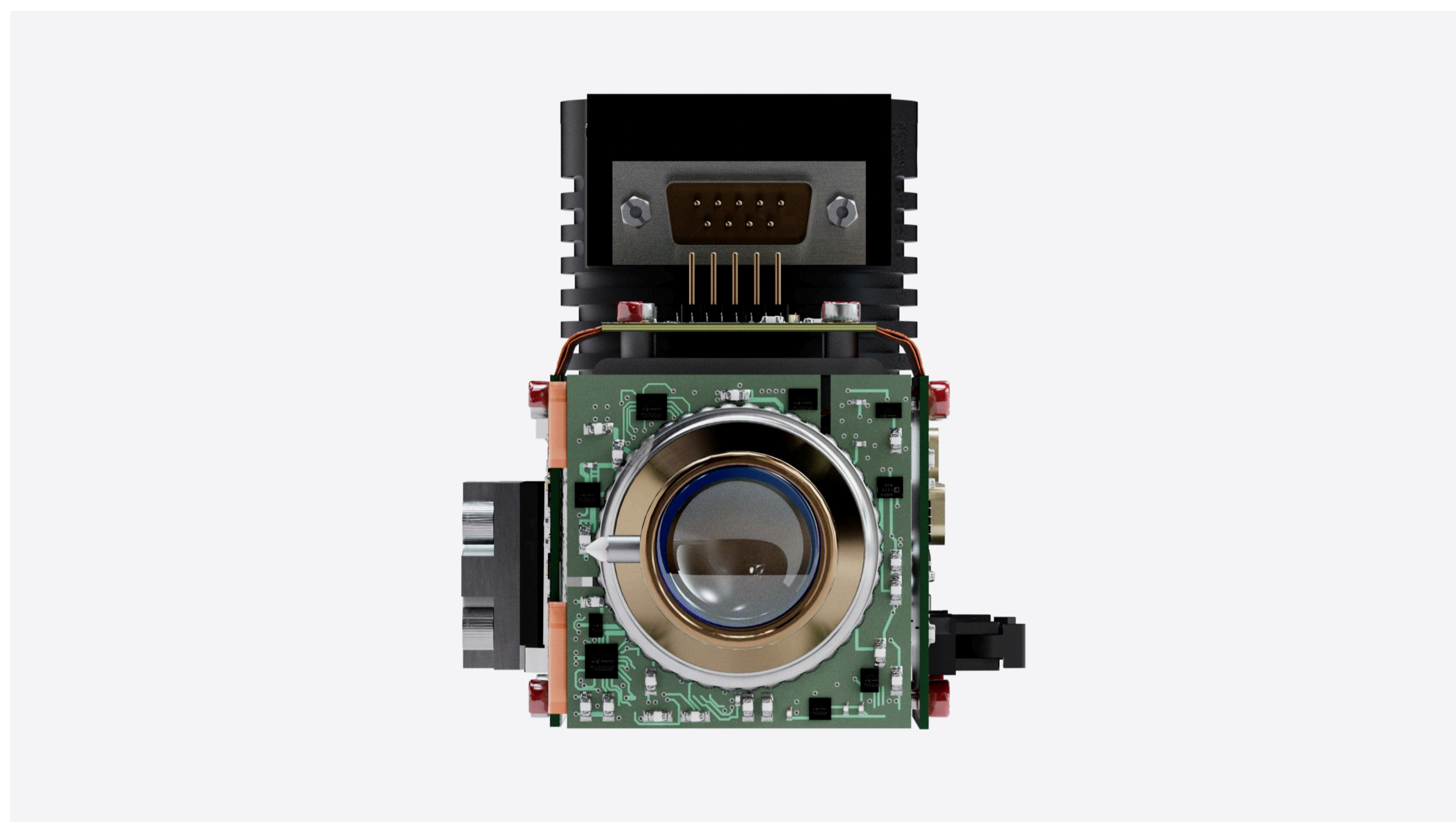
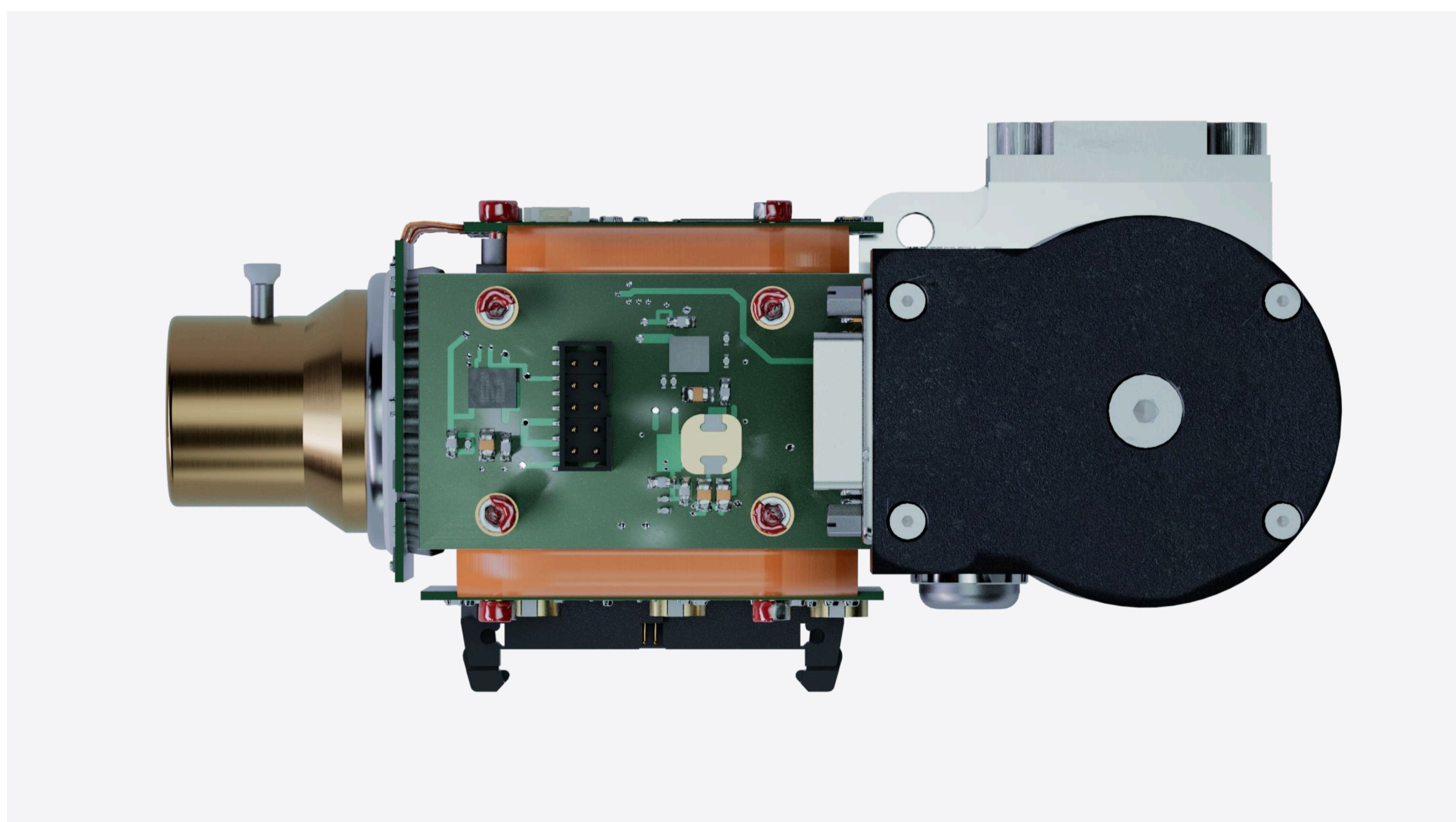
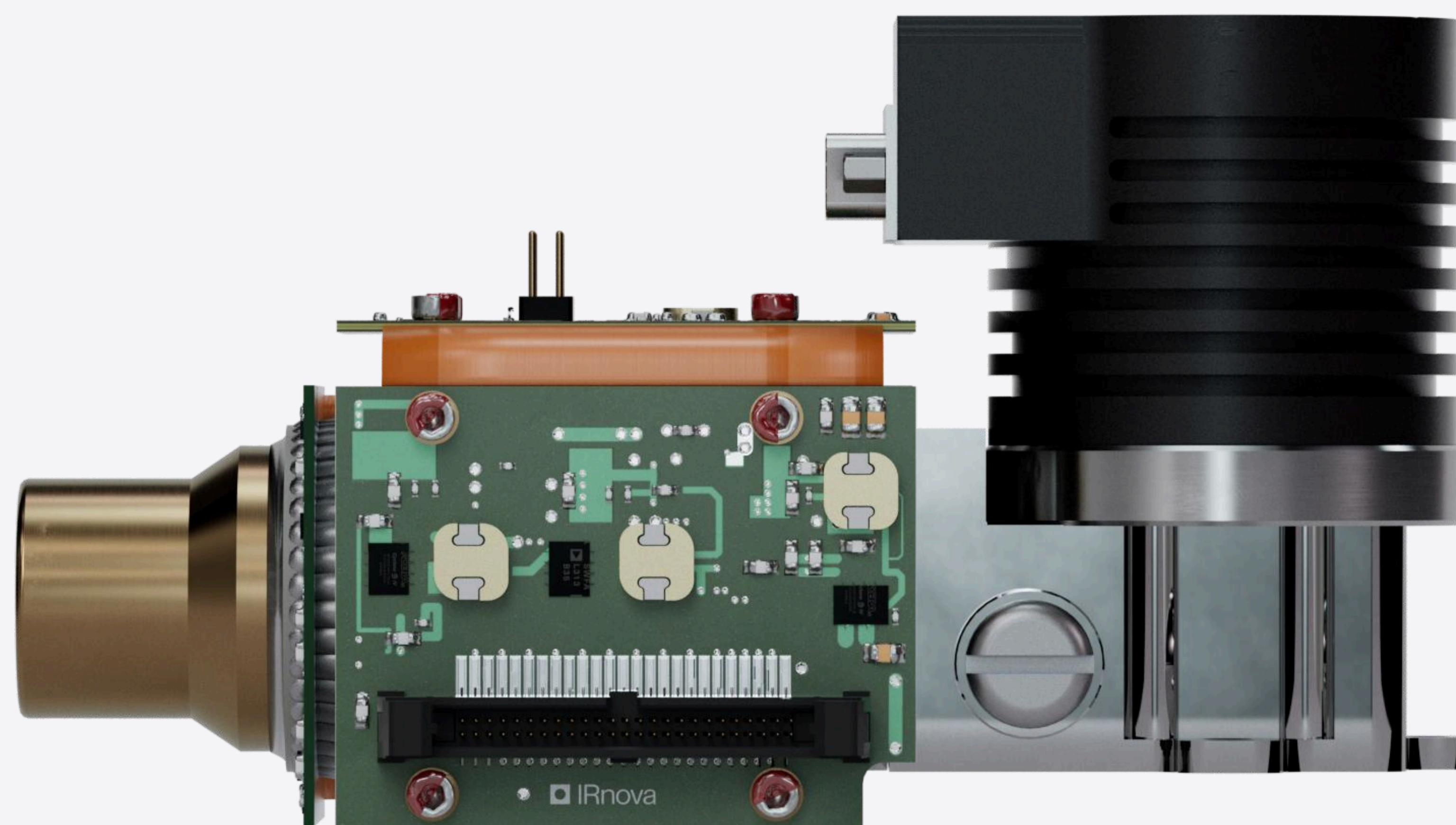


QWIP Idun 1055

The Idun 1055 is one of our pioneering products: the world's first 640x512 optical gas imaging for SF6 based on our own unique QWIP technology. We're proud to share this breakthrough technology with you to help detect gas and pollution.



Description

The Idun 1055 is a state-of-the-art optical gas imaging (OGI) detector for sulphur hexafluoride (SF6), ammonia, ethylene and numerous other gases with absorption around 10.55 μm . Relying on high resolution and an optimized F number, Idun 1055 addresses the most stringent industry requirements and regulations for leak-detection systems.

Applications

- ✓ Optical gas imaging for any gas with absorption in the 10.55 μm range
- ✓ Optimized for sulphur hexafluoride, ammonia and ethylene detection
- ✓ Handheld and battery powered cameras
- ✓ Mobile and stationary platforms

General information

Application: Gas & pollution detection

Format: 640x512

Technology: QWIP

Pixel pitch: 15 μm

Typical detector performance

Spectral range: 10.3 - 10.8 μm

Pixel operability: 99.9 %

F number options: F/1.2

MTF: 45 %
@ Nyquist frequency

NETD: 25 mK @F/1.2, 30 Hz

Proximity electronics

Supply voltage: 5 V

Electrical interfaces: Camera Link
Cooler control and proximity
electronics included

Maximum frame rate: 60 Hz
120 Hz optional

IDDCA Parameters

Cooler options: RM3i, K508, K508N,
SRI401

Weight: 590 g

Power consumption: 6.5 W
Without proximity electronics

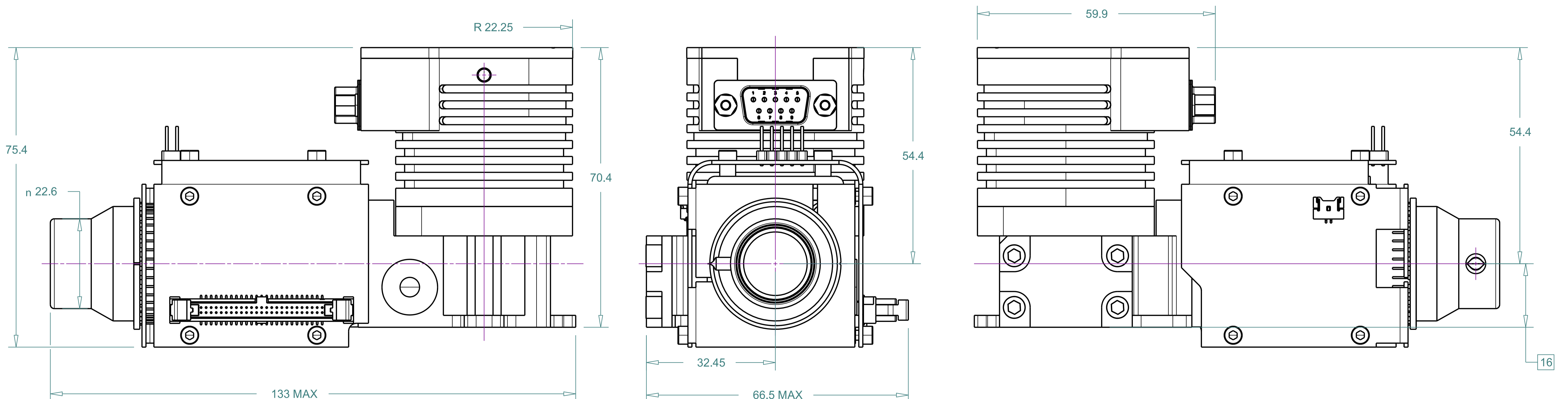
Dimensions: 133x76x67 mm

Cool down time: 5.5 min

Cooler MTTF: 14 000 h

Cooler voltage: 12 V
24 V options available

Environmental conditions:
Commercial



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