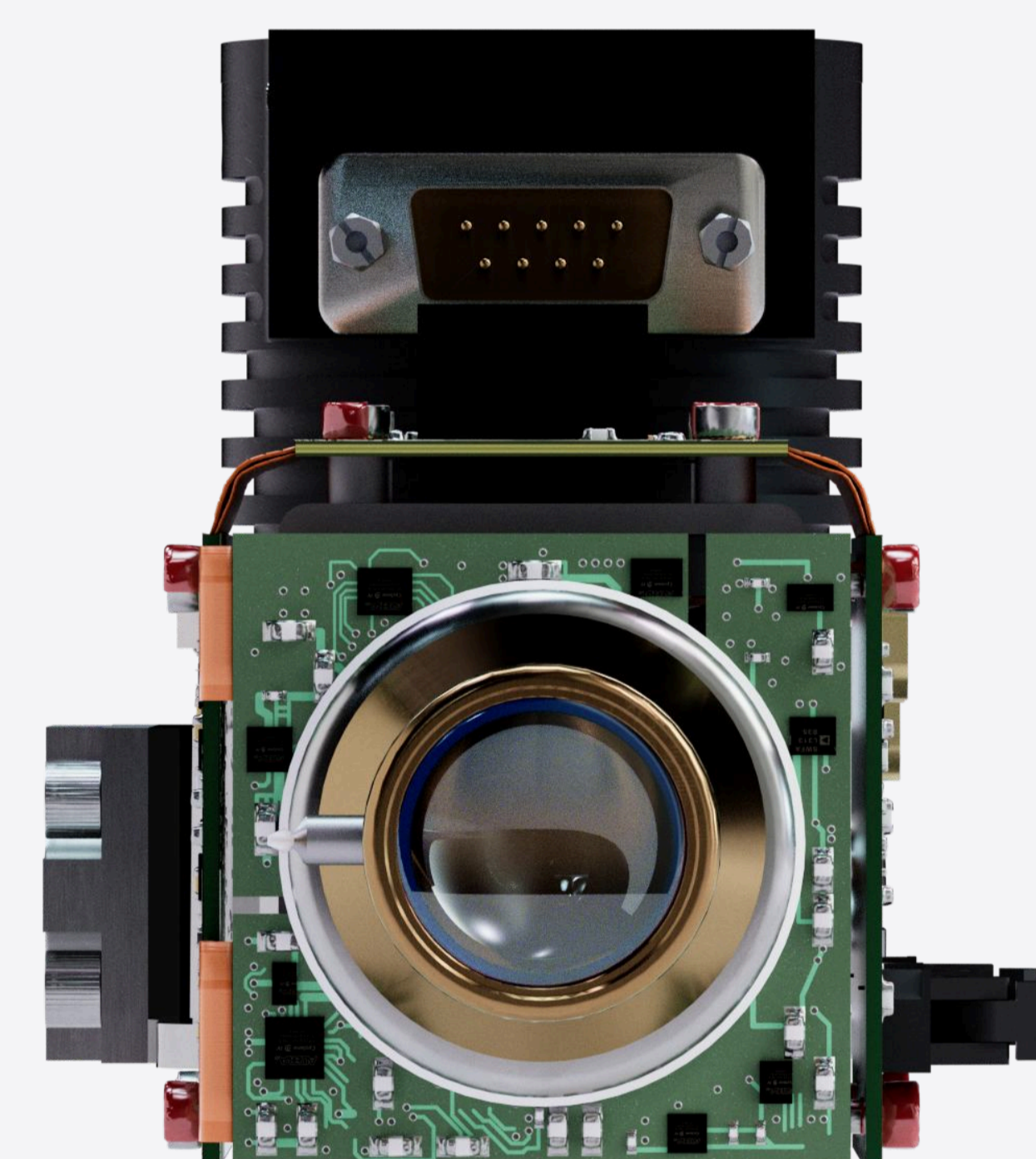
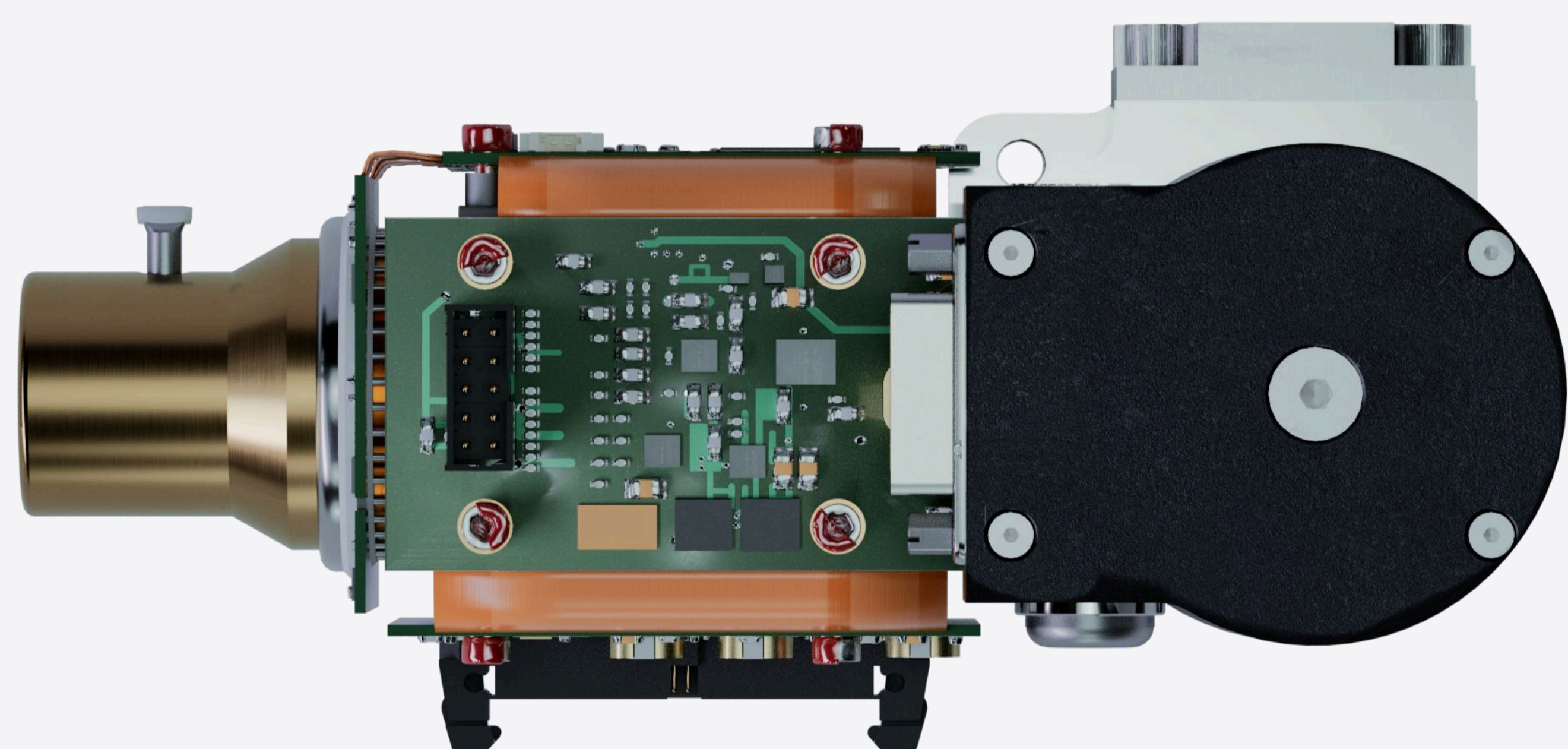
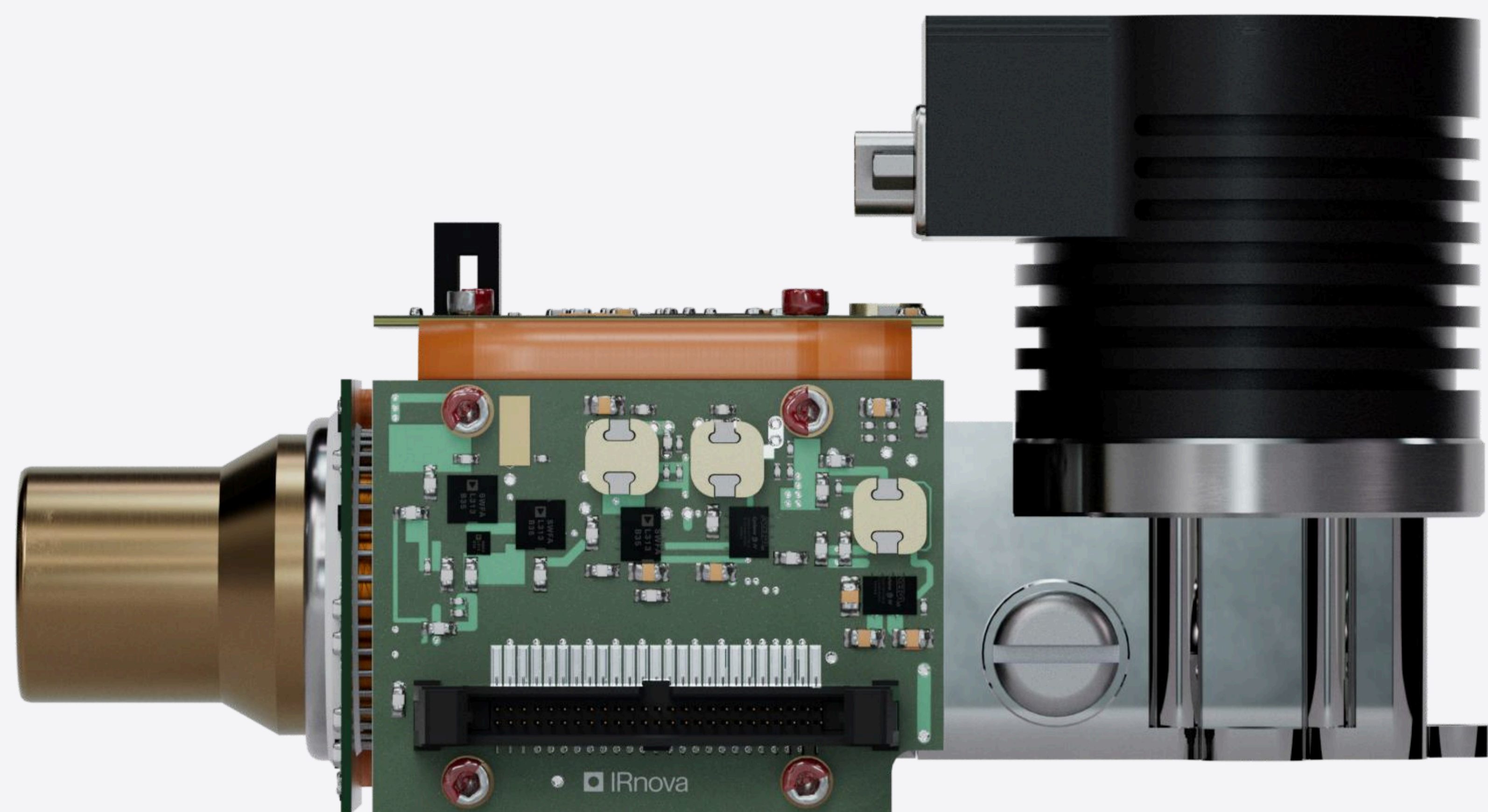


QWIP Embla 1055

A sophisticated choice for gas and pollution detection, the Embla 1055 carries IRnova's QWIP technology with a range that makes it ideal for sulfur hexafluoride (SF6), ammonia and ethylene detection.



Description

The Embla 1055 is the industry standard when it comes to OGI detectors in the upper LWIR region. It is based on a customized QWIP design for maximum sensitivity at precisely 10.55 μ m. It is a field-proven and widely adopted solution for detection of SF6 (sulphur hexafluoride) as well as ammonia, ethylene and numerous other gases.

Applications

- ✓ Optical gas imaging for any gas with absorption in the 10.55 μ m range
- ✓ Optimized for sulphur hexafluoride (SF6), ammonia and ethylene detection
- ✓ Handheld and battery powered cameras
- ✓ Mobile and stationary platforms

General information

Application: Gas & pollution detection

Format: 320x256

Technology: QWIP

Pixel pitch: 30 μm

Typical detector performance

Spectral range: 10.3 - 10.8 μm

Pixel operability: 99.9 %

F number options: F/2

MTF: 50 %
@ Nyquist frequency

NETD: 22 mK @F/2, 60 Hz

Proximity electronics

Supply voltage: 12 V

Electrical interfaces: Camera Link
Cooler control and proximity
electronics included

Maximum frame rate: 60 Hz

IDDCA Parameters

Cooler options: RM3i, K508, K508N,
SRI401

Weight: 590 g

Power consumption: 6.5 W
Without proximity electronics

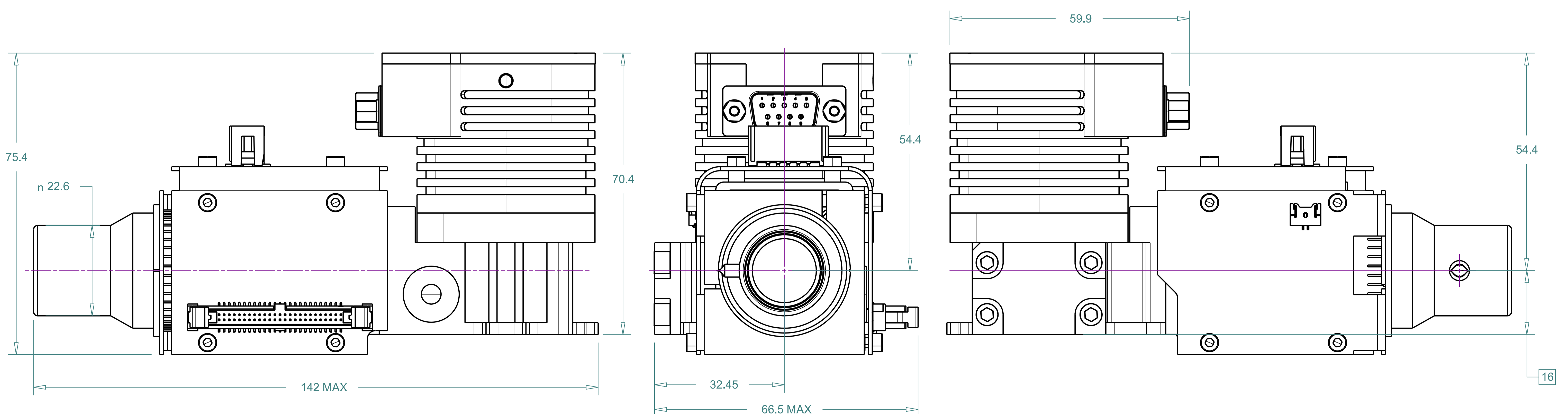
Dimensions: 142x76x67 mm

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.