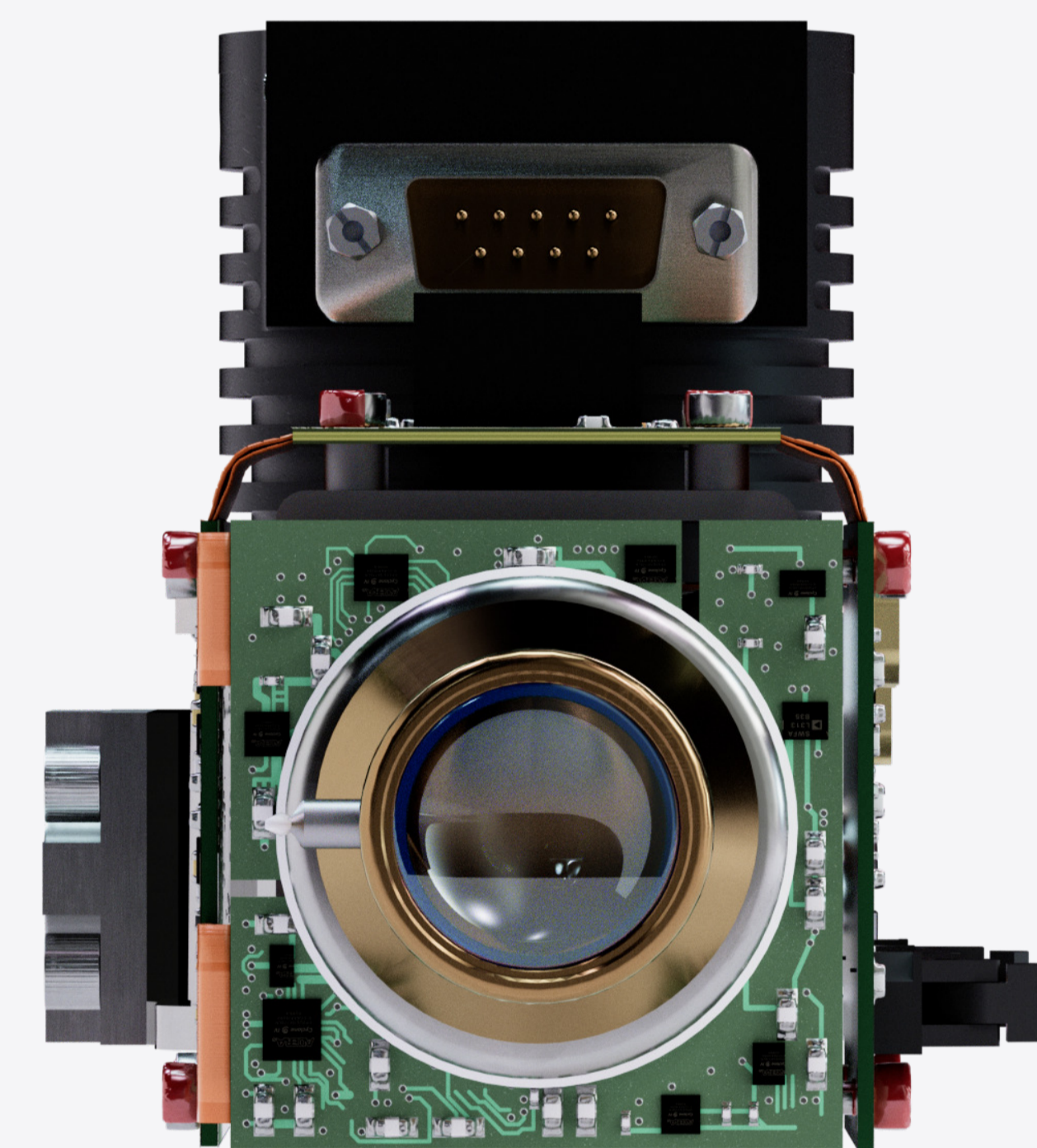
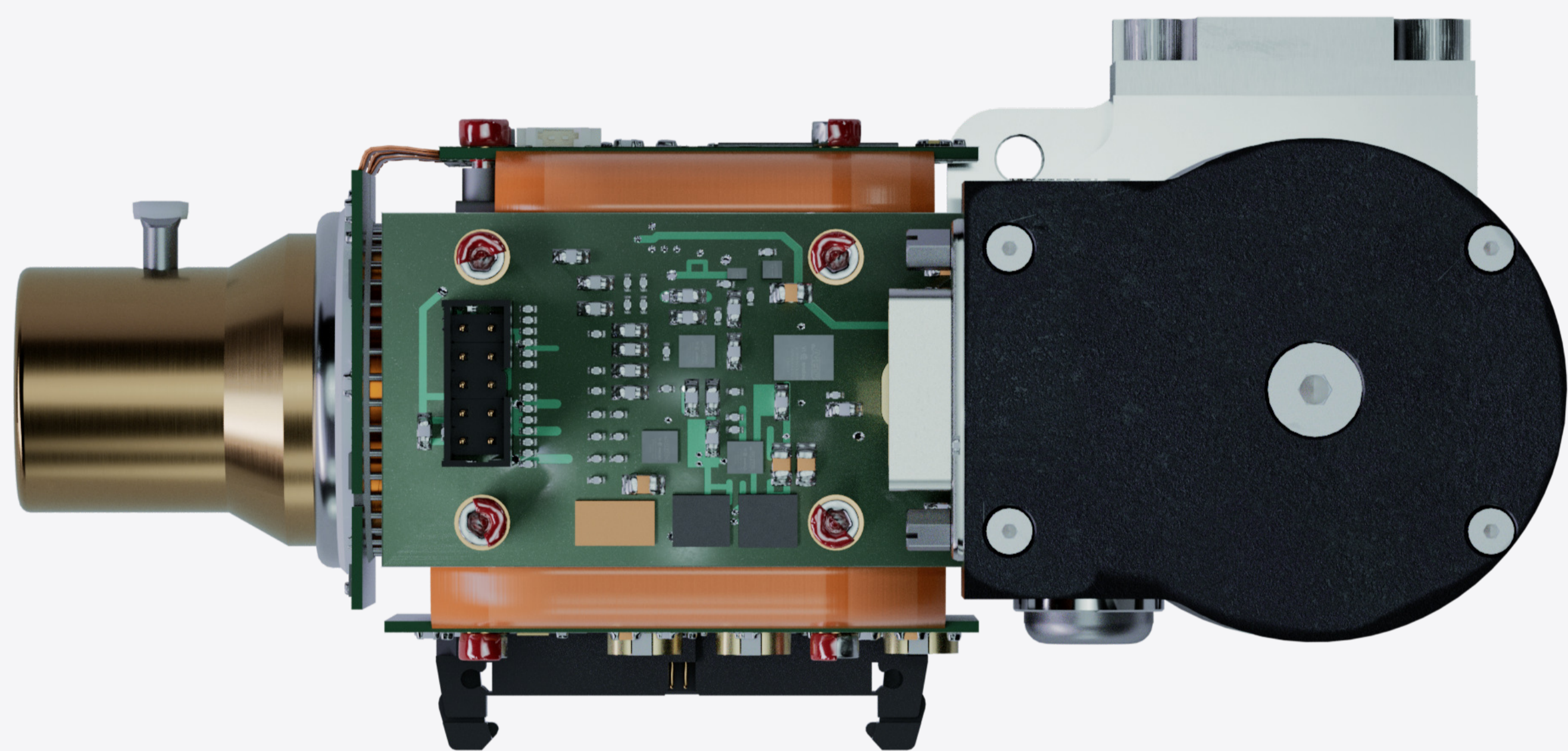
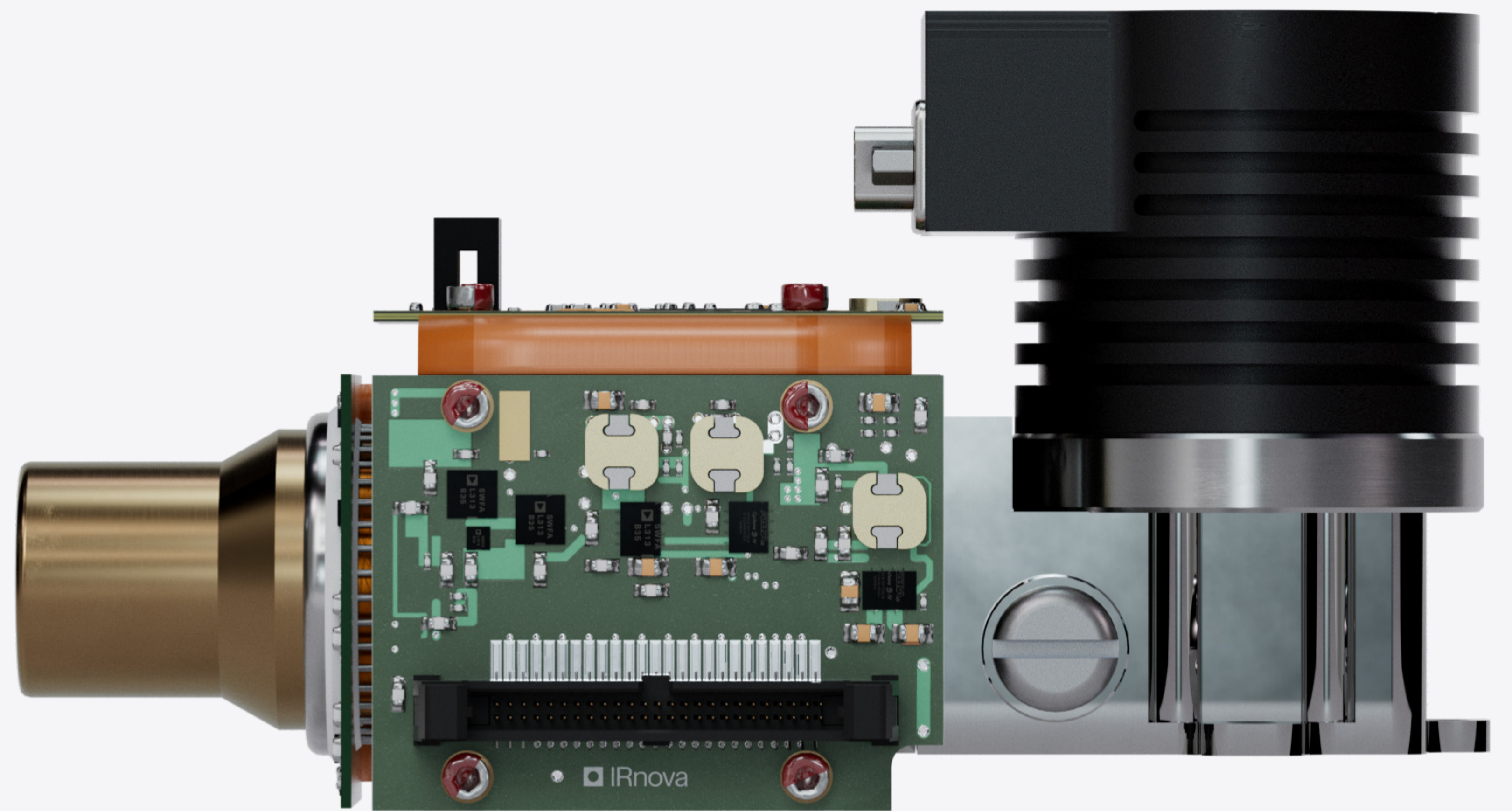


QWIP Brage LW

Low light conditions are no match for the Brage LW. This low-res, low-cost and high frame rate detector is optimized for surveillance with IRnova's QWIP technology and gives you an affordable solution to general applications.



Description

The Brage LW benefits from decades of IRnova's mastery of QWIP materials with a solid track record from several thousand detectors in the field. The 30 μm pitch version for low flux conditions combines inherent QWIP benefits (high uniformity, stability and operability) with state-of-the-art LWIR performance.

Applications

- ✓ Border security and surveillance cameras
- ✓ Air defence target tracking (including UAVs)
- ✓ Industrial applications (thermography, NDT...)
- ✓ Airborne / space earth imagery

General information

Application: General purpose

Format: 320x256

Technology: QWIP

Pixel pitch: 30 μm

Typical detector performance

Spectral range: 7.7 - 9.1 μm

F number options: F/2, F/2.24

NETD: 20 mK

Pixel operability: 99.95%

Frame rate: 60 Hz
(Selectable frame rate up to 120 Hz supported by ROIC)

Proximity electronics

Supply voltage: 12 V

Maximum frame rate: 60 Hz
(Selectable frame rate supported)

Electrical interfaces: Camera Link
(Cooler control and proximity electronics included)

IDDCA Parameters

Cooler options: FS R405K
(RM3 or K508 options available)

Power consumption: 7 W / 12 W
(Steady state / Cooldown)

Cool down time: 5 min

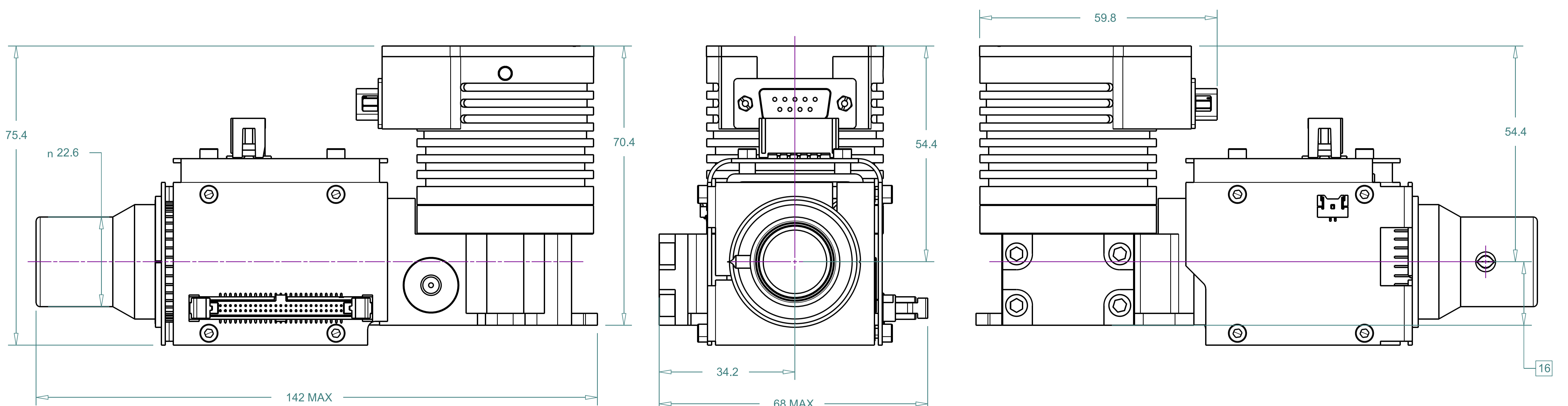
Cooler voltage: 12 V
(24 V cooler options available)

Weight: 550 g

Cooler MTTF: 10 000 h

Dimensions: 71x57x142 mm

Environmental conditions:
MIL-STD-810



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