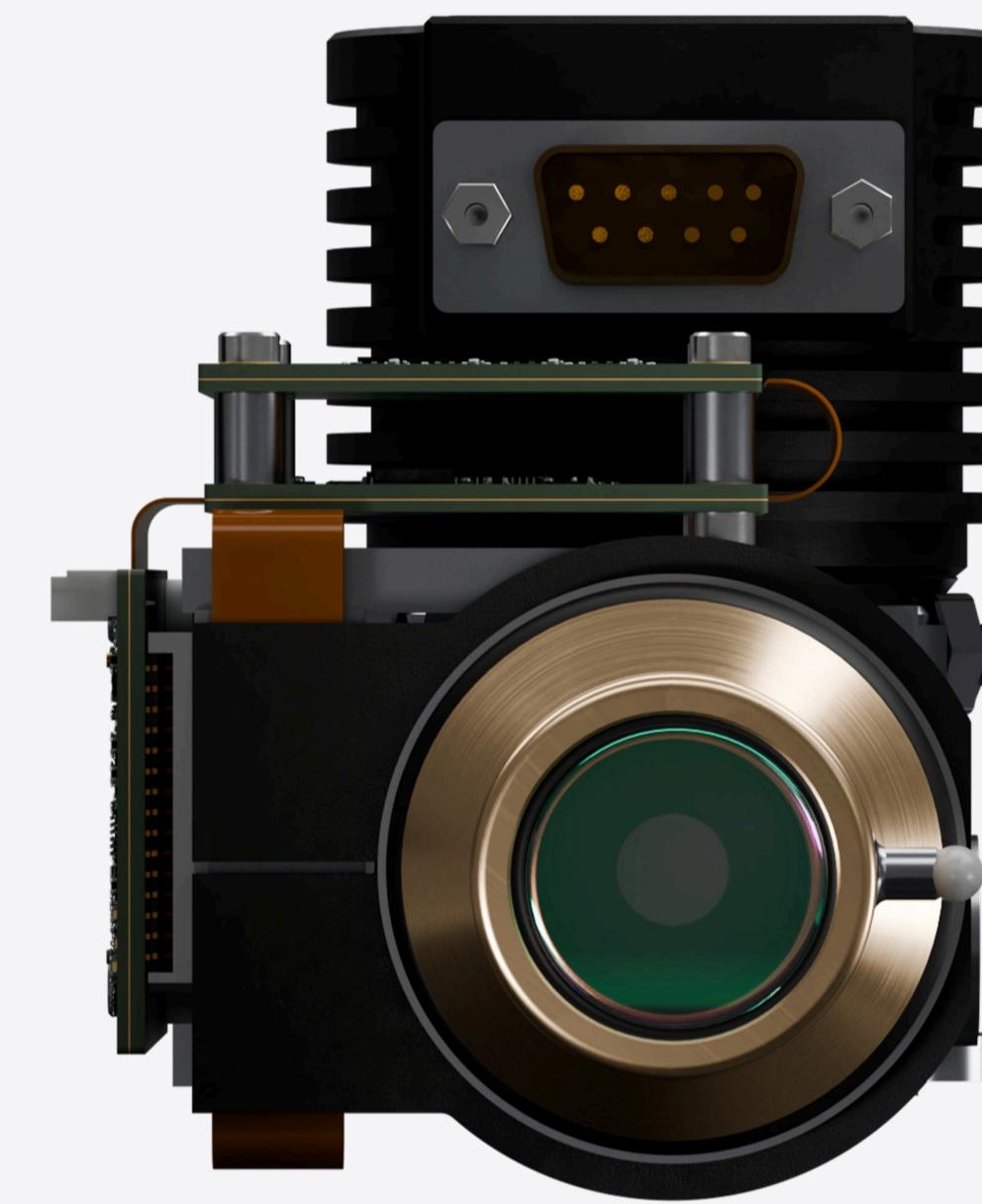
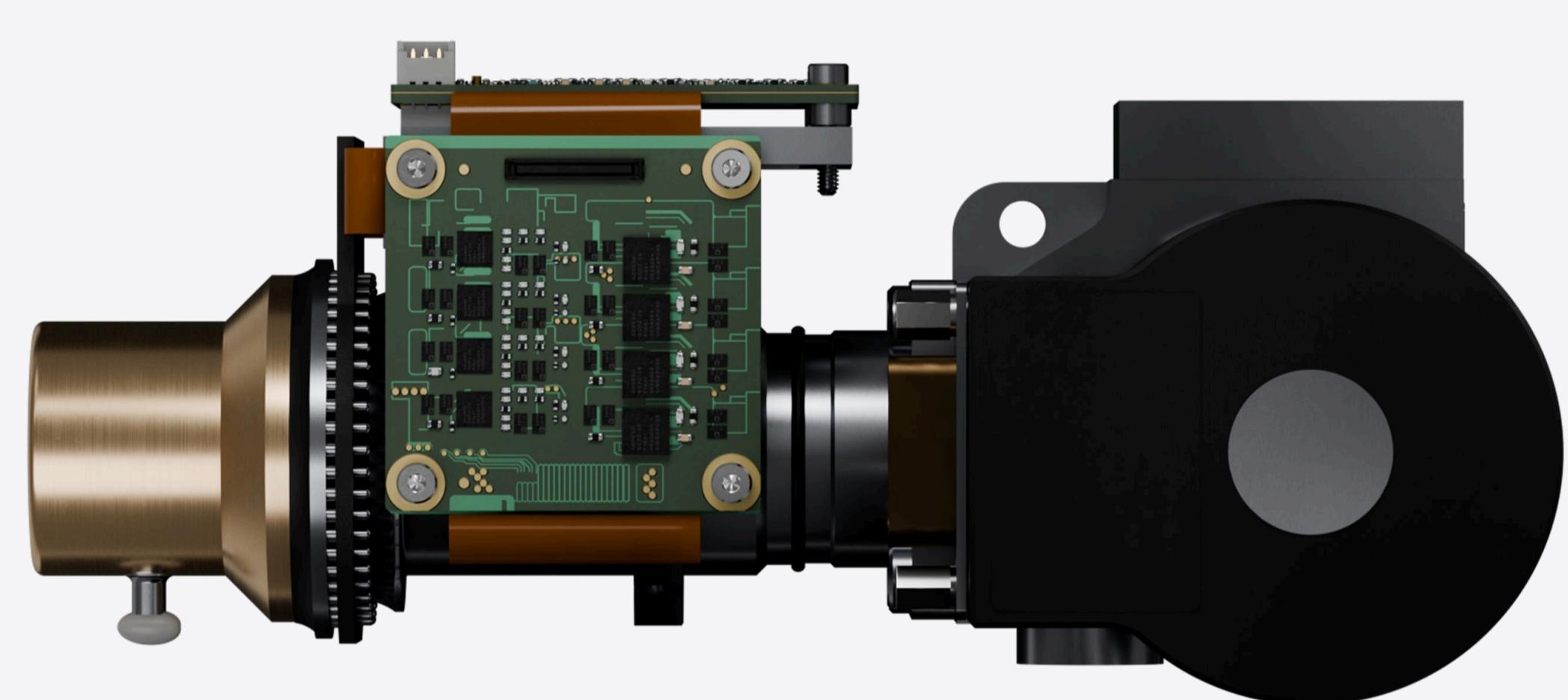
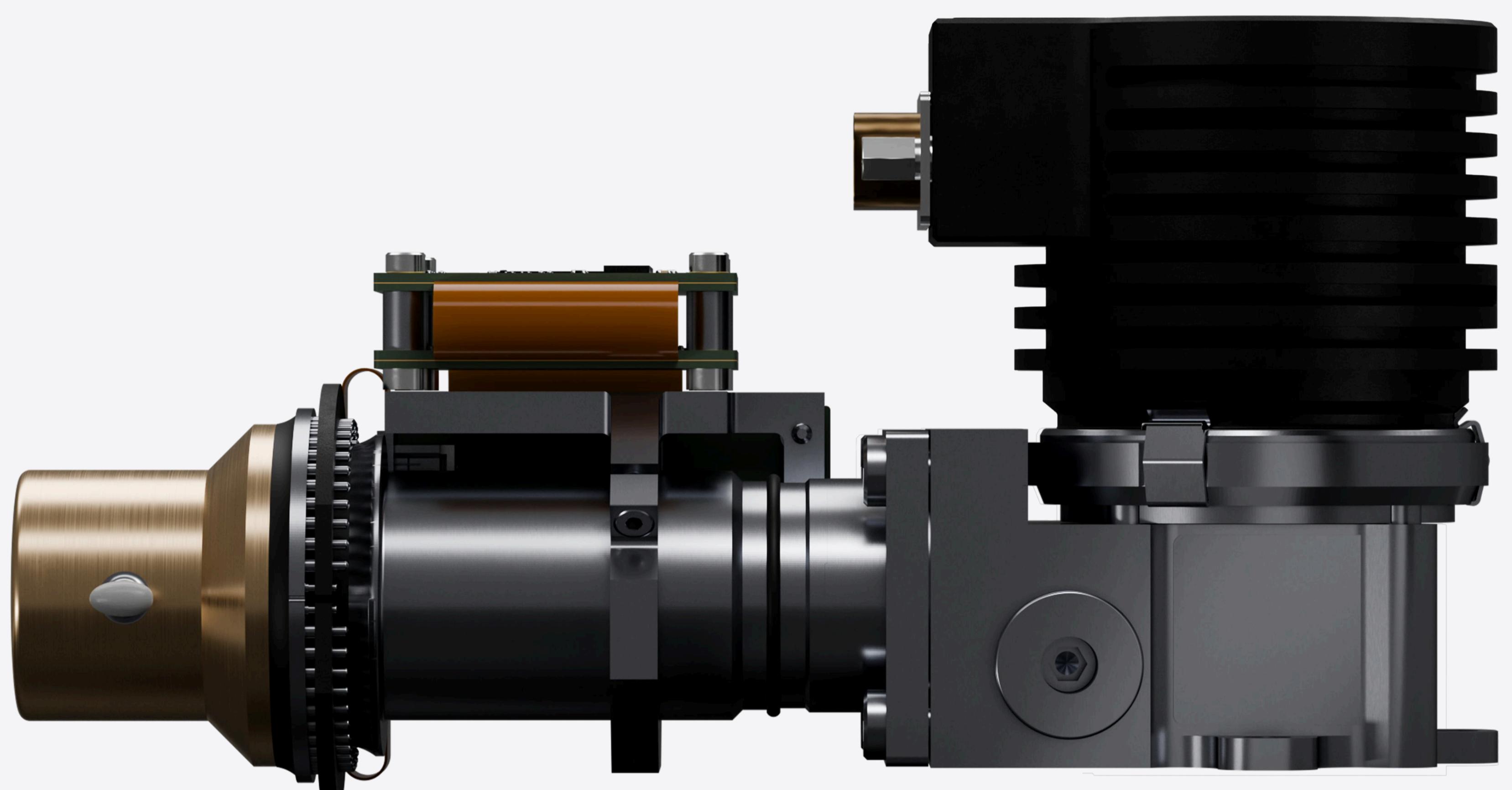


QWIP Tyr

One of a kind. With SXGA resolution and QWIP technology, the Tyr represents the ultimate reliability and resolution in LWIR.



Description

The Tyr is a 1280x1024, 10 µm pitch QWIP detector that takes LWIR imaging systems to the next level. IRnova's battlefield proven QWIP technology is here combined with a modern, high-resolution ROIC to create a unique LWIR solution, extra suitable for defence and surveillance applications in colder climates.

Applications

- ✓ Long range security & surveillance
- ✓ Air defence target tracking (including UAVs)
- ✓ Border security and surveillance cameras
- ✓ Airborne / space earth imagery
- ✓ Tank sights, maritime applications and firefighting
- ✓ Industrial applications (thermography, NDT...)

General information

Application: General purpose

Format: 1280x1024

Technology: QWIP

Pixel pitch: 10 μ m

Typical detector performance

Spectral range: 7.7 - 9.1 μ m

Pixel operability: 99.9%

F number options: F/1.2, F/2

Maximum frame rate: Up to 60 Hz

NETD: 35 mK @ F/2, 60 Hz

Proximity electronics

Supply voltage: 5 V

Electrical interfaces: Camera Link
Cooler control and proximity
electronics included

Frame rate: 60 Hz

IDCDA Parameters

Cooler options:
RM3, K508, K508N, SRI401

Weight: 550 g

Power consumption: 6 W / 12 W
Steady state /Cooldown
(without proximity electronics)

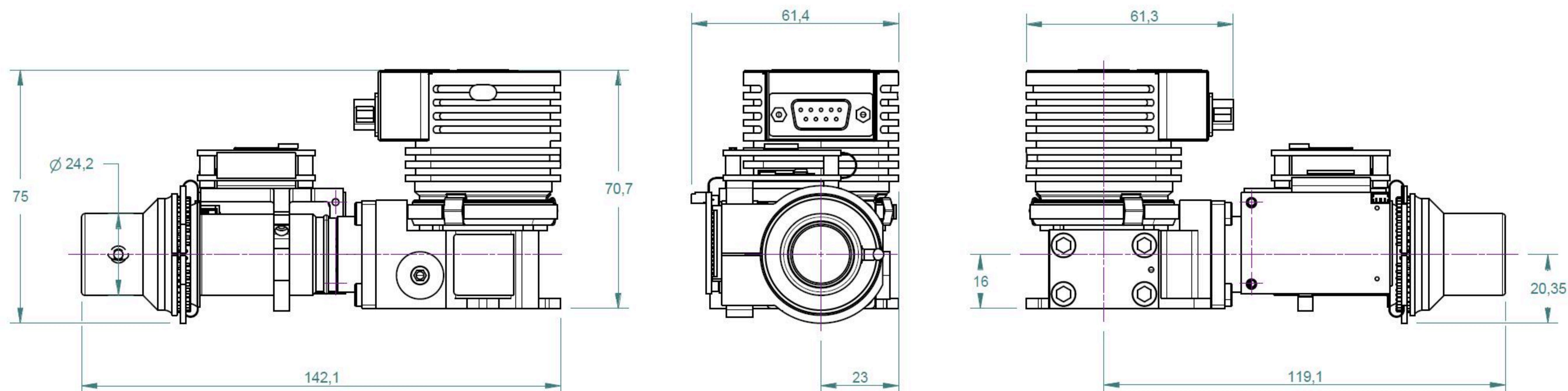
Dimensions: 75x61x142 mm

Cool down time: 5 min

Cooler MTTF: 18 000 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