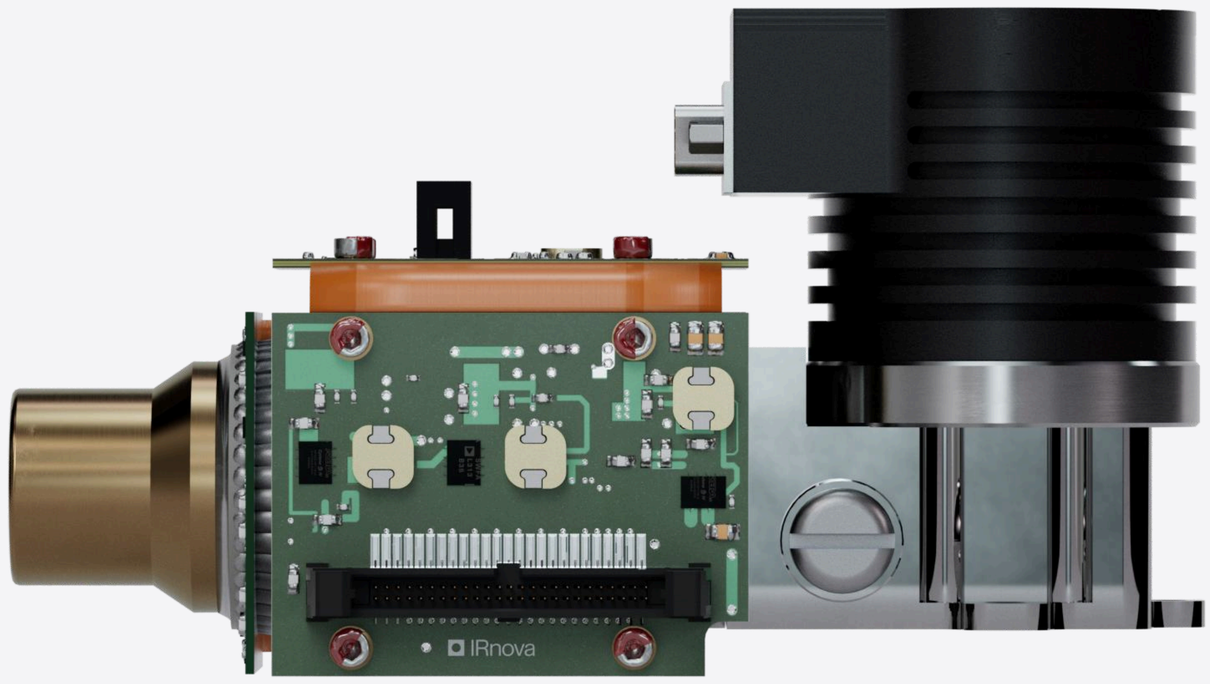
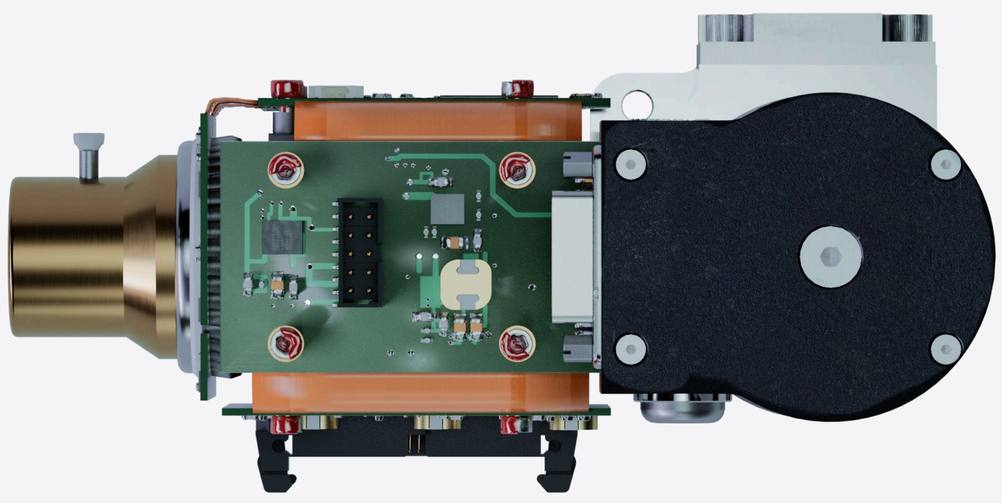
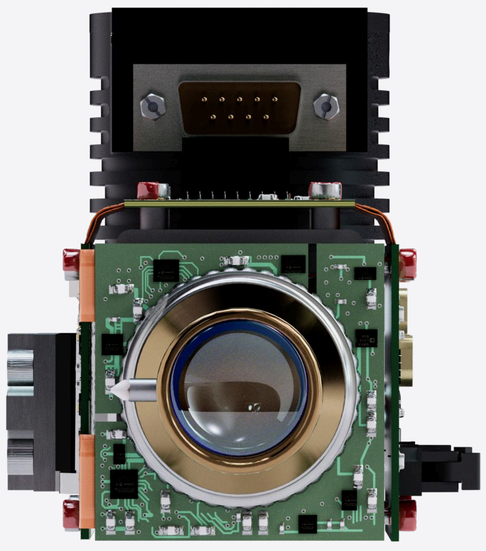
IRnova

T2SL
Freja 330

The Freja 330 is optimized for a smaller spectral range, and makes the most of IRnova's pioneering T2SL technology to provide outstanding VOC gas detection.







Description

The Freja 330 detector takes advantage of IRnova's T2SL technology breakthrough and a wide F/1.2 optical aperture to provide best-in-class gas detection capability for VOC gases (volatile organic compounds) having an absorption spectrum around 3.3µm.

Applications

- Optical gas imaging for any gas with absorption in the 3.3 µm range
- Optimized for detection of methane, ethane, propane and other VOC gases
- Handheld and battery powered cameras
- Mobile and stationary platforms

General information

Application: Gas & pollution detection

Format: 320x256

Technology: T2SL

Pixel pitch: 30 µm

Typical detector performance

Spectral range: 3.2 - 3.4 µm

Pixel operability: 99.9 %

F number options: F/1.2

MTF: 64 %
@ Nyquist frequency

NETD: 10 mK @F/1.2, 30 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: 5.5 W
Without proximity electronics

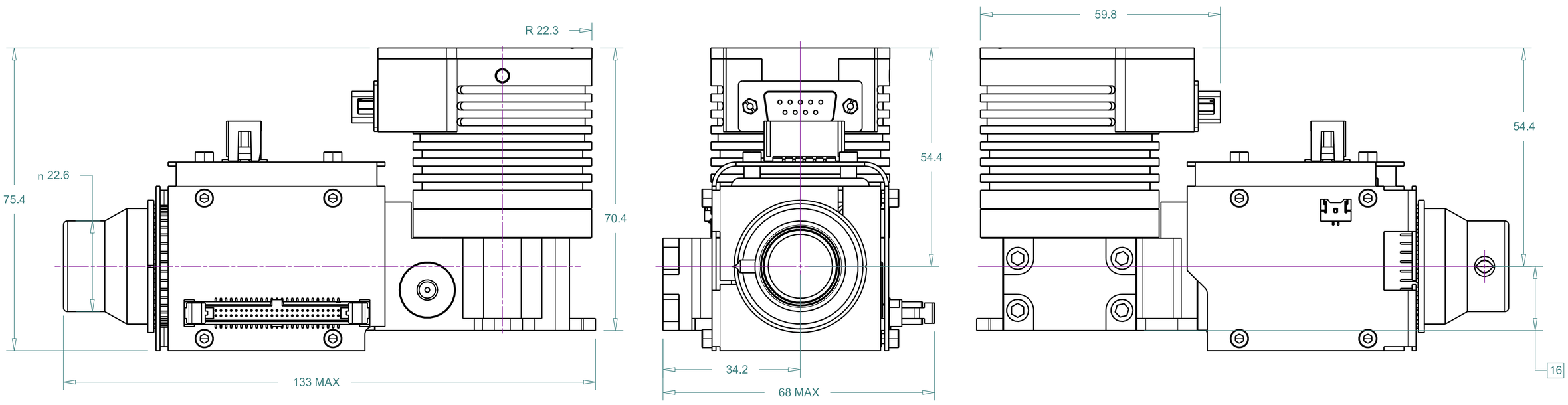
Dimensions: 133x76x68 mm

Cool down time: 3 min

Cooler MTTF: >50 000 h

Cooler voltage: 12 V
24 V 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.