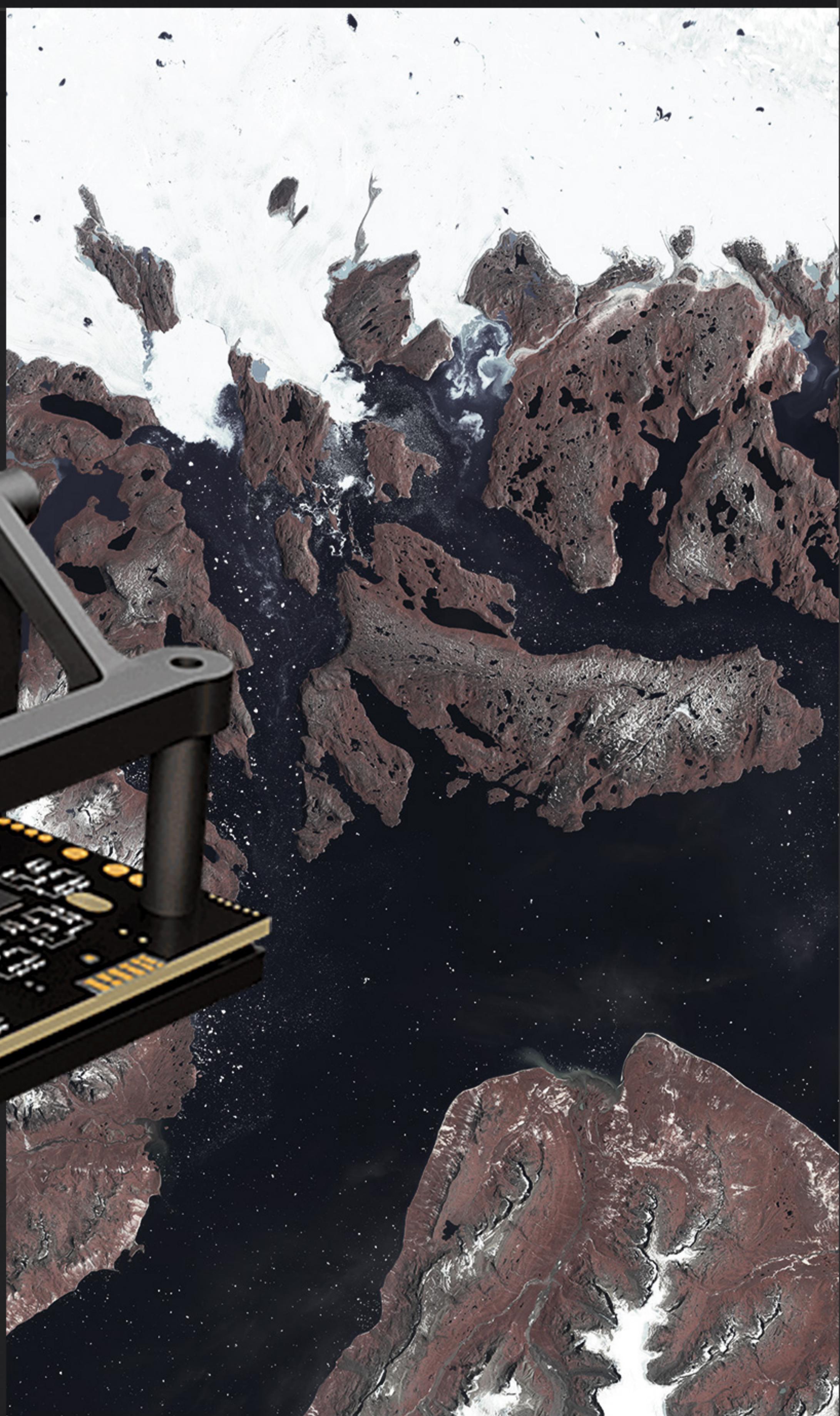
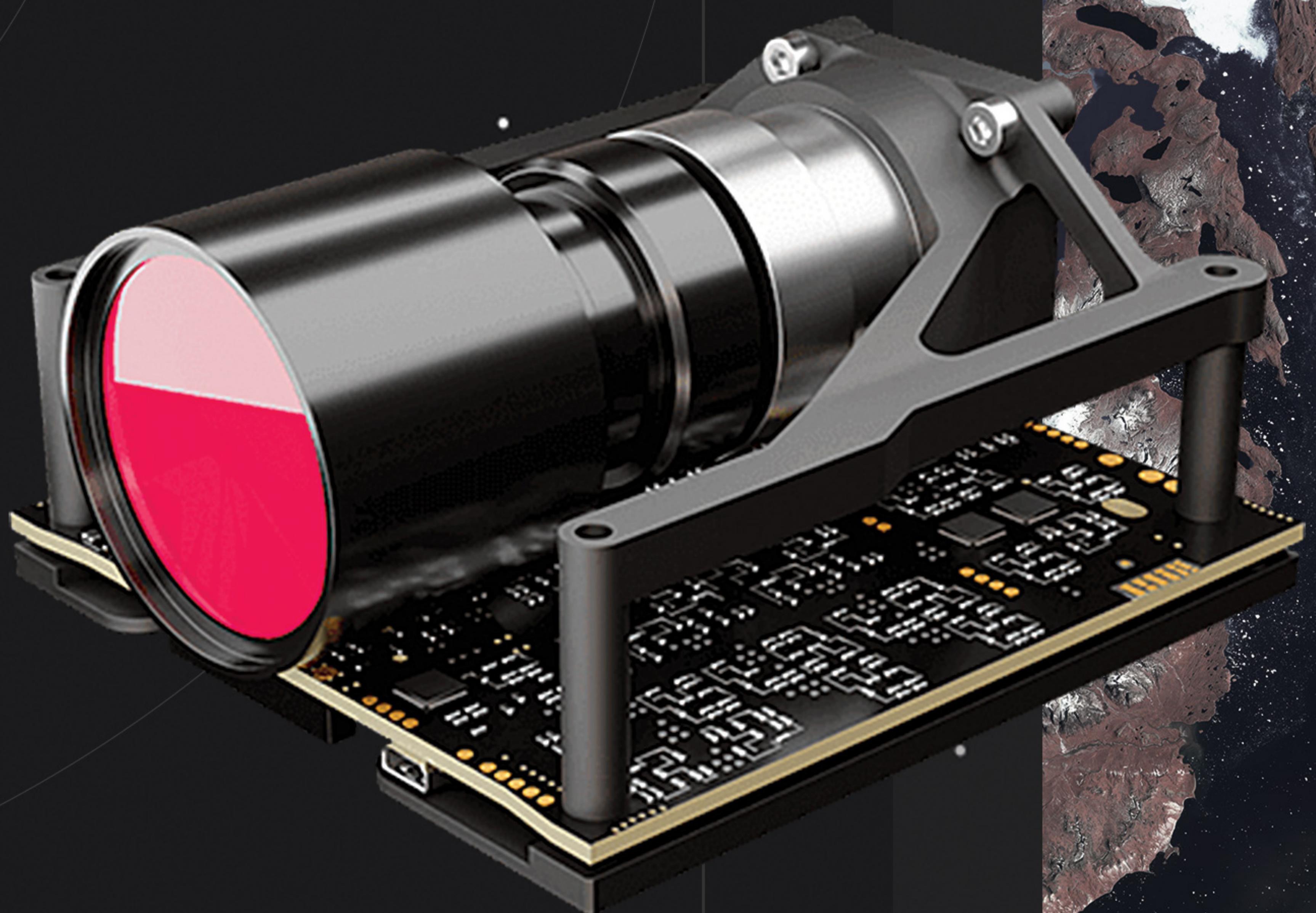
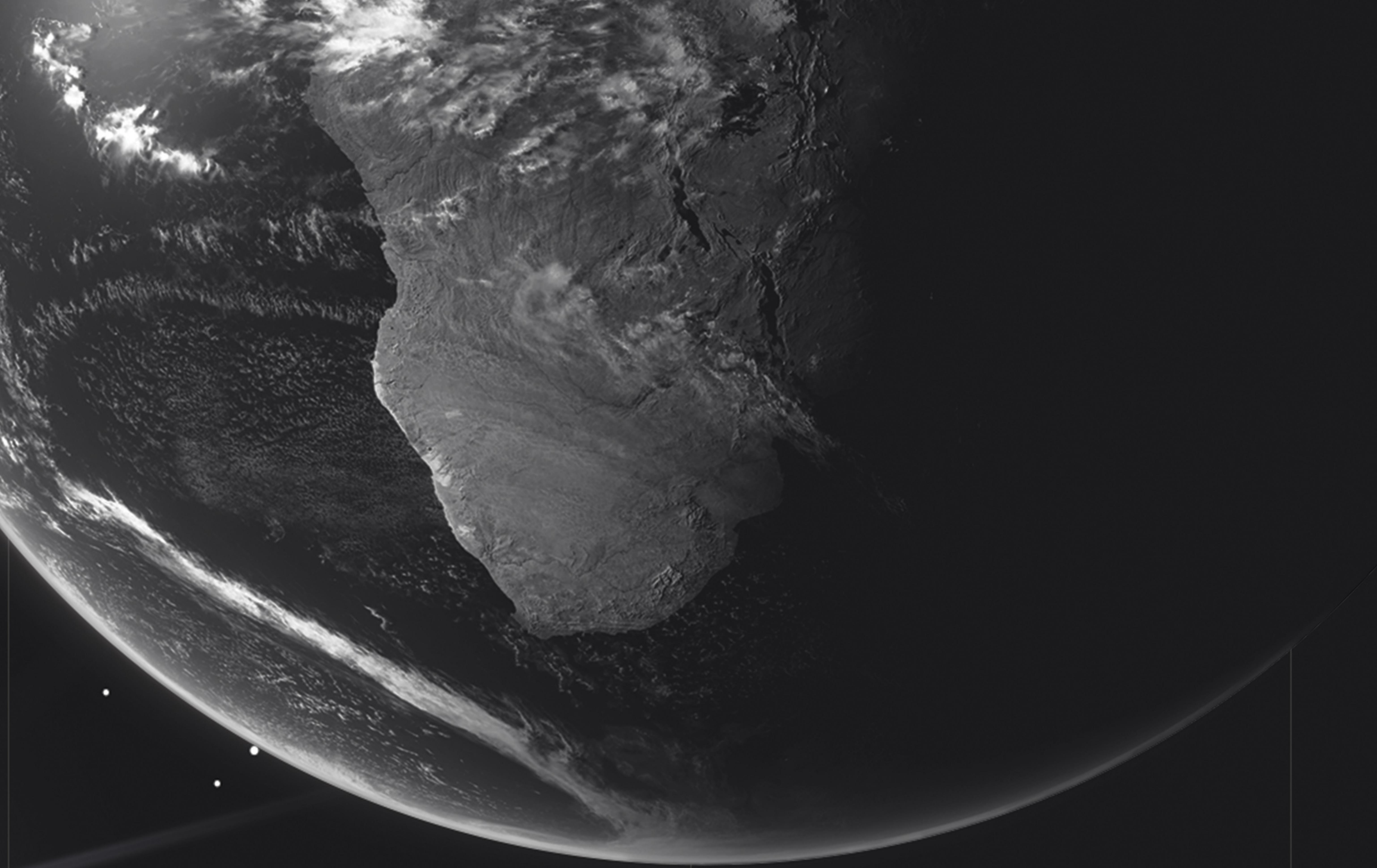


DRAGONFLY
aerospace

GECKO IMAGER





WHAT IS DRAGONFLY?

Dragonfly Aerospace has a vision to create compact high- performance imaging satellites and payloads that are designed for large imaging constellations that provide persistent views of the Earth in a wide range of spectrums enabling unprecedented business intelligence and improving the lives of people around the world.

Our satellites and payloads are based on a 25-year heritage of components and design approach dating back to the first South African microsatellite, SUNSAT, launched in 1999.

SUNSAT was completely developed by South African engineers and almost all components were designed and built in South Africa.

Members of the Dragonfly Aerospace team performed key roles on 7 satellites and another 6 payloads built and launched with local and international customers during this 25-year period. These missions have seen a continual evolution and upgrading of the technology as lessons were learnt in space.



GECKO IMAGER

The Gecko imager is an easy-to-integrate imaging solution for your CubeSat mission. A customizable high-performance mass storage unit is integrated into the compact design. The Gecko imager offers mechanical compatibility with standard CubeSat frames. Image data is captured directly to the integrated mass storage. Data may be streamed out to an on-board computer and downlinked at a lower data rate, as required. Reliable operation is achieved by using a combination of proprietary hardware and space-proven ruggedized optics.

Features

- RGB matrix imaging
- large integrated high-speed data storage
- compact form factor that is optimised for integration with 2U or larger CubeSat frames

Benefits

- proven technology with Flight Heritage
- customisable onboard storage and downlink options
- mechanical compatibility with standard CubeSat frames

39 m

80 km

0.4 kg

RGB (Bayer)

Compatible with 2U

1U (10 cm × 10 cm × 6.5 cm)

8-bit or 10-bit

128 Gigabytes

RAW or J2K lossless or lossy

LVDS, SPI, I²C, CAN

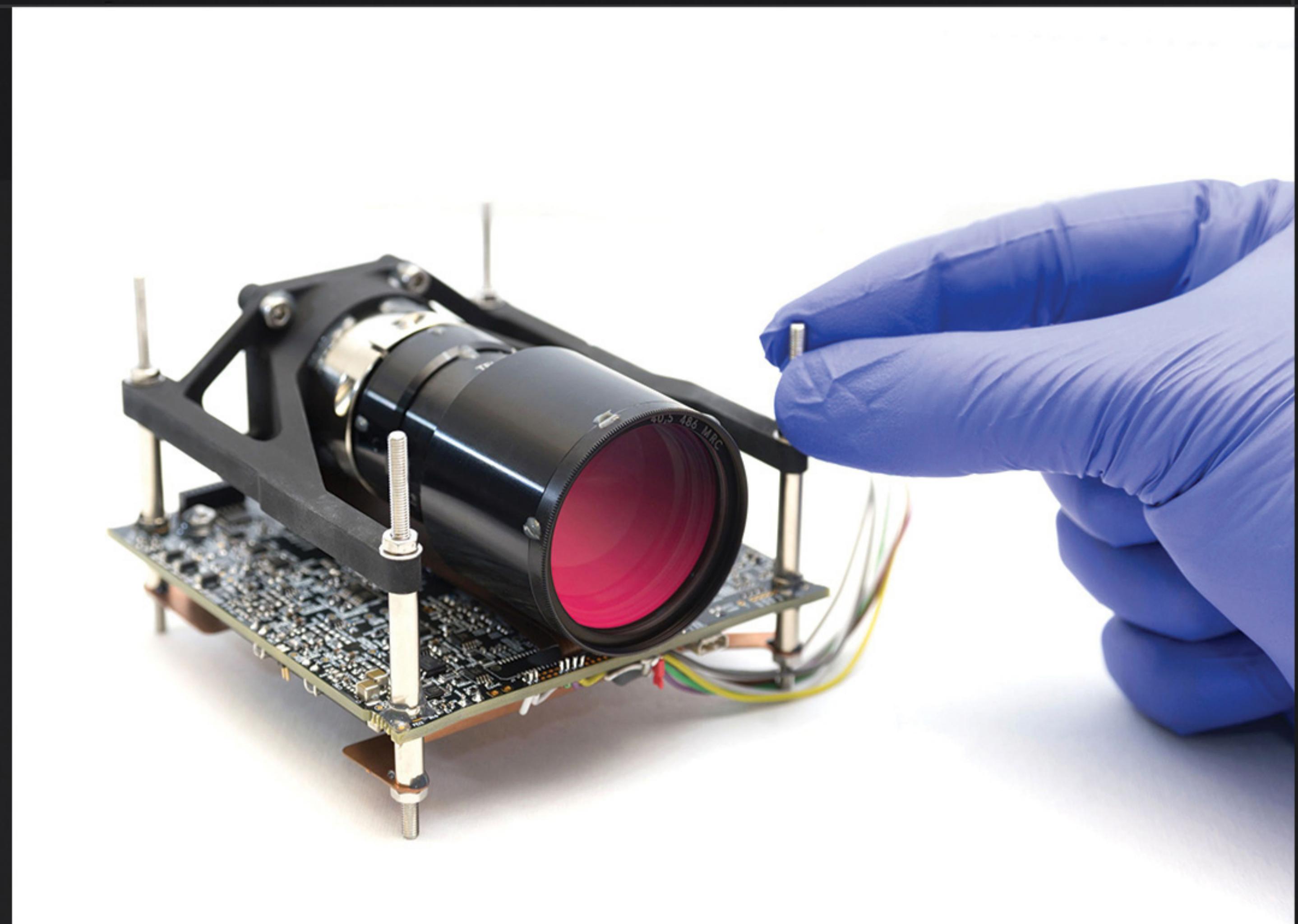
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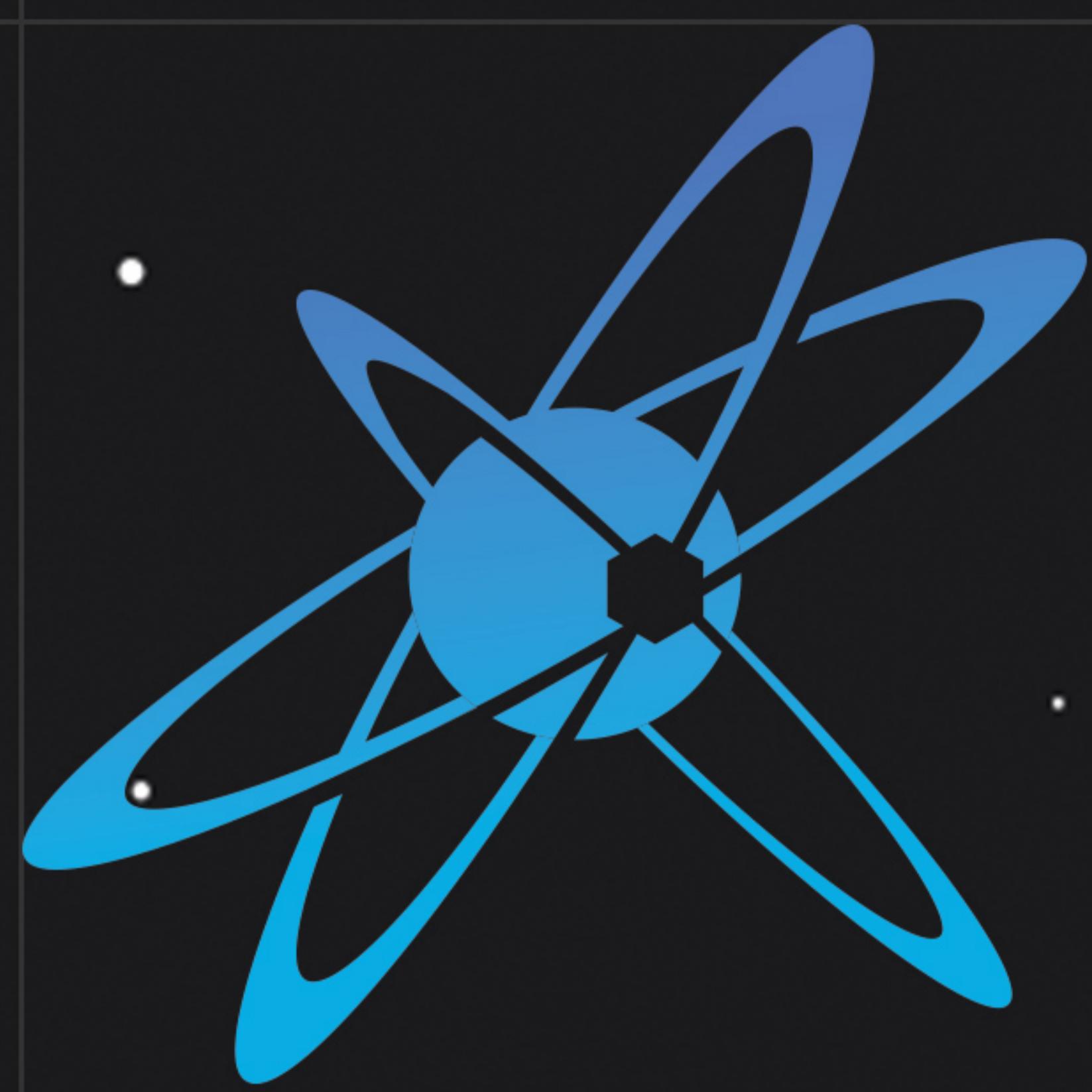
5V DC

0°C to +30°C

-20°C to +70°C

Tested to 30k Rad





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