



INFINITY AVIONICS

YOUR EYES IN SPACE



INFINITY
AVIONICS

Infinity Avionics is an Australian company which provides reliable and rugged optical sensor and processor solutions for the space industry and other high-reliability applications.

Our vision is to put our customers at the forefront of their missions through our reliable, robust and qualified technology solutions complemented by our know-how, specialised facilities, experience and expertise.



The team at Infinity Avionics is experienced in electronics design for space applications, project management, systems engineering, defence, and manufacturing, having contributed to the success of several Australian space missions.



Infinity Avionics provides space flight-proven and radiation-tested sensor and processor subsystems for space missions worldwide. Additionally, Infinity Avionics provides consulting services to design and deliver custom sensor payloads to meet customers' mission requirements in a timely manner.



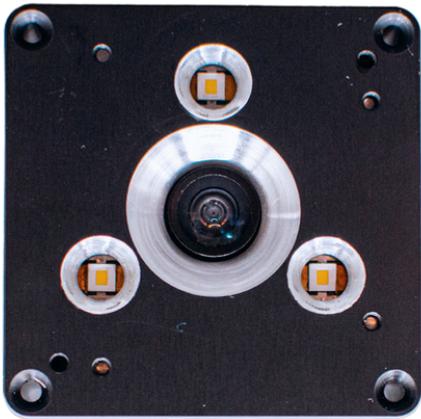
Onboard **25+** space missions

Designed **110+** electronics modules for space

5+ space qualification campaigns

Provided expertise to **20+** design studies

40+ years collective Aerospace experience



LEO2MP

Leo2MP is a small form factor engineering camera designed for space applications.

Capable of both on-board image data storage and image data streaming over USB interface, the camera is ideal for monitoring spacecraft structures or deployment activities, space manufacturing and robotics as well as rover applications.

Leo2MP comes with LED illumination to support challenging space lighting conditions.

Technical specifications	
Image sensor	CMOS RGB - Rolling shutter
Field of view	110 degrees
Resolution	Selectable up to 2MP
Image encoding	JPEG
On-board storage	200 images
Frames per second	Up to 12 FPS (resolution dependent)
Command and telemetry interface	UART - ASCII commands
Image data interface	UART / RS485 / USB2 - JPEG encoded image data
LED luminous flux	150 lm
Power consumption	1 W (Without LED illumination) 3.5 W (With LED illumination)
Size	45 mm x 45 mm x 20 mm
Weight	65 grams
Operating temperature	-20 C to 60 Celsius
Total ionizing dose	Up to 30 kRad



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Rev. 3.0