



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 **20+** space missions

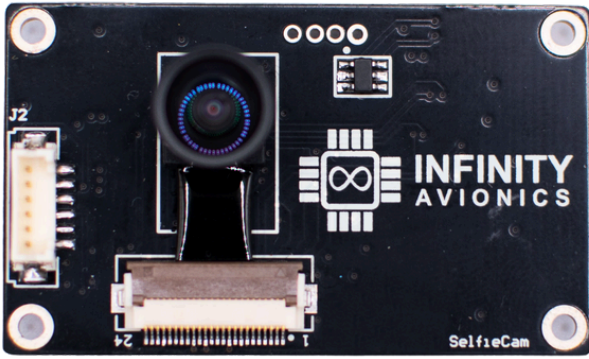
Designed **100+** electronics modules for space

5+ space qualification campaigns

Provided expertise to **20+** design studies

30+ years collective Aerospace experience

SELFIECAM VIDEO



SelfieCam is a small form factor, TRL 9, space asset monitoring camera with demonstrated flight heritage through numerous space missions. The camera can capture and save images in non-volatile memory. It is designed with ease of integration and operation in mind, providing on-orbit imaging capability to your mission. The camera is ideal for spacecraft deployment monitoring such as solar panels and antennae.

Technical specifications	
Field of view	40/90/110 degrees
Resolution	1024 x 768
	800 x 600 640 x 480
Image encoding	JPEG
On-board storage	500 images
Frames per second	Up to 12 FPS
Communication interface	UART with ASCII commands
Baud Rate	115200
Power consumption	750mW
Operating temperature	-20 C to 60 C
Mass	10 g
Size	50 mm x 30 mm
Flight heritage	Since 2018
Environmental qualification	NASA GEVS
Total ionizing dose	Up to 30 kRad
TRL	9

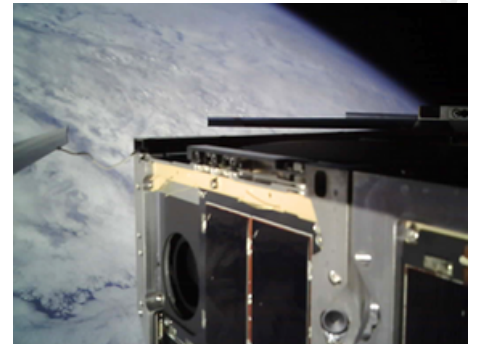
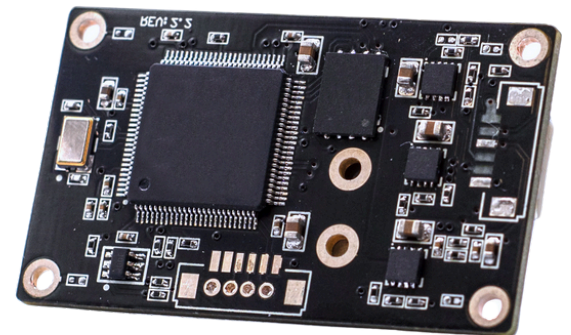


Image credit: UNSW Canberra Space



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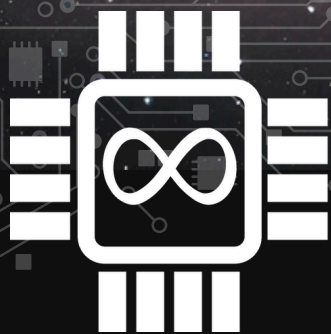


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Rev. 2.0