



# 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.



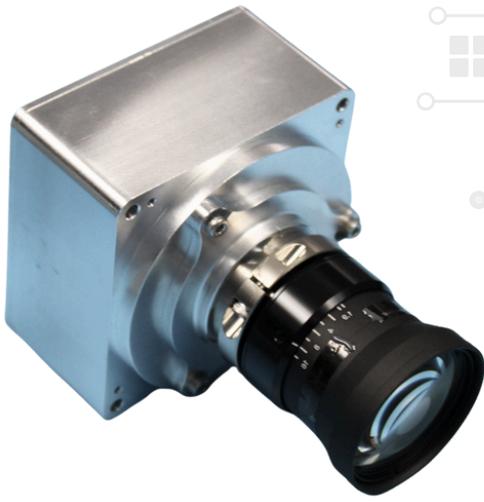
Onboard **25+** space missions

Designed **110+** electronics modules for space

**5+** space qualification campaigns

Provided expertise to **20+** design studies

**40+** years collective Aerospace experience



# DRACO

DRACO is a camera employing an Event Based Sensor (EBS), also known as a Neuromorphic Sensor, in place of a traditional line scan or area scan focal plane. Due to its inherent sensing technology, it produces low amounts of data and requires low power making it suitable for persistent space surveillance applications.

The system will be qualified for thermal vacuum, vibration, shock and tested up to 40kRad TID. Draco backend electronics can be combined with different optical assemblies to suit a range of space applications ranging from navigation to Rendezvous & Proximity Operations (RPO) to Space Domain Awareness (SDA).

Draco camera will be provided with Infinity Avionics BRAIN processor as an integrated system including camera driver software and SDK to support easy integration.



Technical specifications	
Field of view	32 degrees
Focal length	10 mm
F Number	Adjustable: F/1.9 to F/16
Spectral range	VIS
Image sensor	CMOS Event Sensor
Pixel resolution	640 x 480
Pixel size	9 um
Control/Data interface	USB
Power supply	5V DC
Power consumption	0.5 W
Operating temperature	0 C to 70 Celsius
Dimensions	65 mm x 65 mm x 95mm
Weight	325 grams
TRL	4

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