

NEWSPACE MARKET · COMPANY PROFILE



Infinity Avionics

infinityavionics.com

4

PRODUCTS

4

SERVICES

3

WITH DATASHEETS

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as of 26 August 2026

Infinity Avionics

Infinity Avionics designs and manufactures spacecraft camera systems and edge processors. Their product lines include customizable camera systems with smart edge processing for applications such as Space Situational Awareness, Proximity Operations, Earth Observation, and On-Orbit Data Processing. Specific camera products mentioned are SelfieCam, Leo2MP, Aquila, Lynx4MP, Orion12MP, and Draco (a neuromorphic event camera). The BRAIN edge processor provides AI/ML compute power on spacecraft. Infinity Avionics supplies these systems to spacecraft platform developers (Satoro, Exotrail), non-Earth imaging service providers (HEO), deployable systems and in-space power delivery companies (D-Cubed), and defence primes (US Defence Prime for AFRL). They also partner with companies for electronics development (EntX) and Space Domain Awareness (Nurjana Technologies). The company has over 5 years of space heritage, with 60+ payloads currently in orbit and 150+ hardware systems delivered globally. Their products are spaceflight proven and qualified. They have supported missions for solar panel deployment verification, spacecraft attitude capture, non-Earth imaging, in-space manufacturing monitoring, deployable structure demonstrations, thruster operation verification, hosted payload deployment, and Space Domain Awareness.

This profile is generated from the live NewSpace Market catalogue. Specifications are as published by the manufacturer; every product links to a page where a request for quotation reaches the company directly.

SERVICES

Services

Custom Camera Backend Electronics Design and Delivery Infinity Avionics designs and delivers customized camera backend electronics tailored to specific mission requirements, including for harsh radiation environments.	Custom High-Resolution Camera Adaptation Infinity Avionics adapts camera platforms with custom optical assemblies and spectral filters to meet specific mission parameters.
Electronics Development Lifecycle Support Infinity Avionics provides expert support across the full electronics development lifecycle, from requirements capture to hardware delivery.	Strategic Collaboration for Space Domain Awareness Infinity Avionics collaborates with partners to enhance Space Domain Awareness capabilities through integrated imaging and AI analytics.

Product catalogue



INFINITY AVIONICS

Leo2MP Monitor Camera with Image Streaming

Leo2MP is a spacecraft close proximity camera with up to 2MP resolution, image data streaming, and LED illumination for space applications.

Pixel resolution	1200 x 1600, 1024 x 768, 800 x 600, 640 x 480
Pixel size	2.2 µm
Spectral range	VIS
Field of view	110°
Focal length	1 mm
Image encoding	JPEG
Frames per second	Up to 12 FPS

price on request



INFINITY AVIONICS

Lynx4MP

Lynx4MP is a TRL 9 modular 4MP RGB/Monochrome space camera system with precise image capture timing and on-board storage, qualified for space applications and compatible with CubeS

Image sensor	CMOS Global shutter
Pixel resolution	2048x2048 (4 MP)
Pixel size	5.5 µm
Spectral bands	RGB Bayer / Monochrome
Image encoding	RAW
On-board storage / flash memory	800 full-resolution images
On-board ram	30 full-resolution images

flight proven · TRL 9 price on request

datasheet



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Orion12MP

The Orion12MP is a 12 Megapixel RGB/Monochrome camera backend electronics unit designed for various space applications, featuring a global shutter and up to 100 FPS capture to elim

Image sensor	CMOS Global shutter
Pixel resolution	4096x3072 (12 MP)
Pixel size	5.5 µm
Spectral bands	RGB / Monochrome
Image encoding	RAW
Frames per second	Up to 100 FPS at full resolution
On-board storage / flash memory	256 GB

flight proven · TRL 9 price on request

datasheet



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SelfieCam Video

SelfieCam is a small form factor, TRL 9 spacecraft deployment monitoring camera designed for on-orbit imaging, space situational awareness, and In-Space Manufacturing (ISM). It cap

Image sensor	CMOS RGB Rolling shutter
Pixel resolution	1024 x 768 800 x 600 640 x 480
Pixel size	2.2 µm
Spectral range	VIS
Field of view (degrees)	110°
Focal length	1 mm
Optical assembly	Integrated optics with the sensor

flight proven · TRL 9 price on request

datasheet

Contact Infinity Avionics

Open the company profile on NewSpace Market to see full specifications and datasheets, and to send a request for quotation that reaches the manufacturer directly.

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