

NEWSPACE MARKET · COMPANY PROFILE

SIMERA
SENSE

Simera Sense

South Africa · founded 2018 · simera-sense.com

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PRODUCTS

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SERVICES

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as of 20 August 2026



Simera Sense

Simera Sense was founded in 2018 in Somerset West, South Africa, as part of the Simera Group, to make world-class space optics accessible to the fast-growing nano and microsatellite market. Its 1,280 square-meter South African production facility, including a 600 square-meter ISO-7 cleanroom that is one of the most advanced in Africa and 30 percent solar-powered, remains where products are developed, built and tested. In 2022 Simera Sense Europe was established in Leuven, Belgium as corporate headquarters, aligning with its European customer and investor base, followed by a France subsidiary in Toulouse in 2024 and a UK site in Glasgow. The company provides end-to-end optical payload solutions for CubeSats, micro- and small satellites across three product ranges: TriScape (RGB/video imaging), MultiScape (multispectral imaging), and HyperScape (hyperspectral imaging), each offered in 50, 100, and 200 size variants matched to different CubeSat volumes, alongside standalone Imager Electronics components, an Image Processing Tools software service, and a dedicated SSA Scape100 space situational awareness camera. Simera Sense payloads are fully space-proven at TRL 9, with over 40 payloads operating in orbit and more than 50 customers worldwide. Investors include Simera Holdings, Scotstone Trust, the NATO Innovation Fund, NewSpace Capital, and Knife Capital.

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

Advanced image processing This service combines advanced capture and intelligent processing to deliver actionable insight from raw imagery, faster and more reliably.	Express image processing This service reduces the time from first light to a presentable image on the ground, ideal for spacecraft commissioning and early operations or for customers not requiring scientific-level products.
Optical Instrument Integration This service involves integrating an optical instrument into a satellite, leveraging unique skills for this complex task.	Satellite Thermal Analysis This service analyzes the payload's thermal environment to ensure it can capture sharp images in space.
Satellite Vibration Analysis This service ensures the payload's survival during the journey from ground to space by analyzing its resistance to launch vibrations.	

Product catalogue

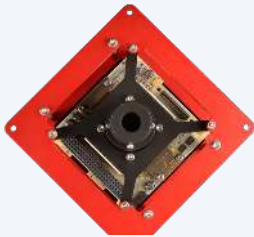


SIMERA SENSE
HyperScape100

The HyperScape100 is a hyperspectral imaging system designed for CubeSats, offering unprecedented imaging capabilities with 32 bands and a 4.75m GSD at 500km.

GSD at 500 km	4.75 m
Swath	19.4 km
Bands	32-Bands From 400 Bands
Form Factor	1.5U
Spectral Range	460–860
TDI Stages Per Band	1 to 8
Focal length	580 mm

price on request



SIMERA SENSE
HyperScape50

The HyperScape50 is a compact 1U hyperspectral imaging system designed for Earth Observation, capable of capturing spectral content across 32 bands from 460–860 nm.

Focal length	93.9 mm
Aperture	11.75 mm
Full field of view	13.68° (across-track)
Configuration	Pushbroom
Sensor technology	CMOS global shutter
Resolution	4096 pixels
Pixel size	5.5 µm

price on request

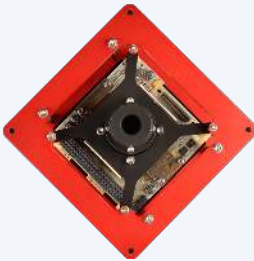


SIMERA SENSE
MultiScape100

The MultiScape100 is a compact Earth Observation camera designed for small satellites, featuring 8 spectral bands in the VNIR range, high spatial resolution, and digital TDI capabi

Focal length	580 mm
Aperture	95 mm
Full field of view	2.22° (across-track)
Configuration	Pushbroom
Sensor technology	CMOS global shutter
Resolution	4096 pixels
Pixel size	5.5 µm

price on request



SIMERA SENSE
MultiScape50

The MultiScape50 is an Earth Observation camera designed to capture multispectral imagery in 8 bands, providing daily insights into environmental changes.

GSD at 500 km	30 m
SWATH at 500 km	120 km
Bands	8-Bands In the VNIR range
Volume	1U
Pixels	4096 pixels Across track
dTDI Stages per band	32
Focal length	93.9 mm

price on request



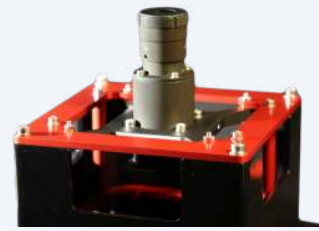
SIMERA SENSE

TriScape100

The TriScape100 is a compact Earth Observation camera designed for rapid and reliable situational and change monitoring from space, offering both snapshot and video modes.

GSD at 500 km	4.75 m
Swath	19.4 km
Resolution	12.6MP
Form factor	1.5U
Spectral range	450–670 nm
Video	1080p30
Focal length	580 mm

price on request



SIMERA SENSE

TriScape50

The TriScape50 is an Earth Observation camera designed for CubeSats, offering real-time HD video capabilities and covering large areas of Earth quickly.

GSD at 500 km	30 m
SWATH at 500 km	120 km
HD Resolution (MPixel)	12.6MP
Volume	1U
Video	1080p30
Spectral Range	450–670 nm
Focal length	93.9 mm

price on request

Contact Simera Sense

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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