SIMERA
SENSE

Making
Earth observation
effortless

About

Simera Sense is a leading provider of optical payloads and data analytics solutions for satellite Earth observation. Founded in 2018 and headquartered in Leuven, Belgium, it serves the medium-to high-resolution optical needs of more than 50 clients worldwide. Our ability to design and produce standardised optical payloads is revolutionising Earth observation with smaller satellites.

Our approach

Simera Sense aims to make Earth observation effortless. We are redefining every step of the imaging pipeline, from optimising you satellite for an optical instrument to reducing the time from first light to a presentable image on the ground. With our turnkey image processing services, you can extract optimal value from the data you generate and download.

Our solutions

Optical payloads

With the highest-performance optical payloads for an optimal form factor, out multi- and hyperspectral-enable optical payloads are shifting the boundaries for Earth observation.
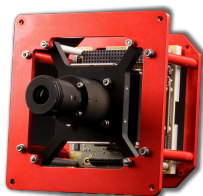
EO mission support

Maximising operational time is crucial for an EO mission. From pre-to post-launch, we can assist with various satellite and orbit configurations to ensure optimal satellite and camera usage.

Image processing

Take your EO business model to the next level. With our turnkey image processing services, you can extract optimal value from the data you capture, download and distribute.
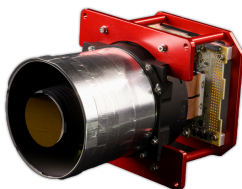
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Our products and services

xScape50

Covering the globe in
less time with
wide-angle imaging.

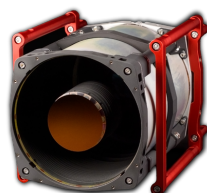**30 m**
GSD

120 km
SWATH

xScape100

High-performance
imaging in a small form
factor.

4.75 m
GSD

19.4 km
SWATH

xScape200

Exceptional spatial
resolution for
nanosatellites.

1.5 m
GSD

14 km
SWATH

> 40
Payloads launched

> 15000
Days collectively in space

> 100
EO missions enabled