

## **ASTRO CL**

### **A new member in the family**

The ASTRO CL (short for constellation) from Jena-Optronik has been designed to fit the needs of LEO constellation spacecraft.

The sensor has a medium accuracy performance, is compact, light weight, is made for high recurrent production rates and comes with a competitive price.

The system-on-chip (SoC) approach in the development of the ASTRO-CL star sensor enabled the implementation of a robust star sensor, which, thanks to its highly integrated design, is extremely light and has a small installation space. By reducing the sensor design to just six assembly parts and five active electronic components, volume production is made possible at a very attractive price.

With its technical performance and service life of 18 years (GEO), the ASTRO CL sets new standards in the field of star sensors for constellations and small satellites.

The low energy consumption facilitates system integration, especially for small satellites. The modular design of the ASTRO-CL also allows the sensor to be easily adapted to mission-specific customer requirements.

It is particularly designed for typical life times of small constellation spacecraft in LEO radiation environment.