Source: http://www.jena-optronik.com

ASTRO CL

Little big star tracker

ASTRO CL, the latest member of the ASTRO star sensor family for satellite constellations.

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

The sensor has a medium accuracy performance, is compact, lightweight, 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 requires a small installation space. By reducing the sensor design to just a few assembly parts and active electronic components, volume production is made possible at a very attractive price.

With its technical performance and service life of 18 years (in GEO orbit), the ASTRO CL sets new standards in the field of star sensors for constellations and small satellites. The low energy consumption facilitates system integration.

The modular design of the ASTRO CL also allows the sensor to be easily adapted to mission-specific customer requirements.